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DOCUMENTATION

ROADMAP

=====
This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
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REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
RELATED SOFTWARE Other stuff you should get.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc How to configure and install the IJG software.
usage.doc Usage instructions for cjpeg, djpeg, jpegtran,
 rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.doc).
wizard.doc Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal
documentation:

libjpeg.doc How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.doc Overview of the JPEG library's internal structure.
filelist.doc Road map of IJG files.
coderrules.doc Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

=====

This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images.

JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES

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We

highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE,

and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department
C-Cube Microsystems, Inc.
1778 McCarthy Blvd.
Milpitas, CA 95035

phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at <ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text version at <ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme

found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <ftp.sgi.com> or from <ftp://ftp.uu.net/graphics/jpeg/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

ARCHIVE LOCATIONS

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The "official" archive site for this software is <ftp.uu.net> (Internet address 192.48.96.9). The most recent released version can always be found there in directory <graphics/jpeg>. This particular version will be archived as <ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz>. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact help@uunet.uu.net for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only <ftp.uu.net> is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (<ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/>), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the <ftp.uu.net> release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups <comp.graphics.misc>, <news.answers>, and other groups. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other <news.answers> archive sites, including the official <news.answers> archive at <rtfm.mit.edu>: <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>.

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send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites,

notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>.

Unfortunately PBMPPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from <ftp://havefun.stanford.edu/pub/jpeg/>. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read.

(For example, none of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of

additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether

SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.5 zlib 1.2.7

1.5.1 Available under license :

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Version 2, June 1991

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/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.7, May 2nd, 2012

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

The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files <http://tools.ietf.org/html/rfc1950> (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

*/

```
-----  
--          ZLib for Ada thick binding.          --  
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1.7 csrp 1.0

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1.8 sed 4.2.2

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I appreciate your maintaining the version string guidelines as specified in the copyright. But I did not mean them to last as long as they did.

So, if you want, you may use any 2.N.* (N >= 3) version string for future xinetd versions that you release. Note that I am excluding the 2.2.* line; using

that would only create confusion. Naming the next release 2.3.0 would put to rest the confusion about 2.2.1 and 2.1.8.*.

1.10 bzip2 1.0.6

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jseward@acm.org
bzip2/libbzip2 version 1.0.2 of 30 December 2001

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/*
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```
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]
```

```
*/
```

1.11 esapi 2.1.0

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/**

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*

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* @author Jeff Williams <http://www.aspectsecurity.com>>Aspect Security

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1.12 unzip 6.0

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There are currently two explicit copyrights on portions of UnZip
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MacBinaryIII coding code (for the MacOS port).. These copyrights
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The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

```
* MoreFiles
*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
* (Apple Macintosh Developer Technical Support Emeritus)
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*
* Copyright 1997 Christopher Evans (cevens@poppybank.com)
*
* Basic encoding and decoding of Macintosh files to the
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* -----
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"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

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The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

1.13 libusb-compat 0.1.5

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

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If distribution of object code is made by offering access to copy

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

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

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

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

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

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate

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1.15 net-snmp 5.7.3

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```
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```
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```

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1.17 findutils 4.6.0

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1.18 pam 1.3.0

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1.19 libpcap 1.8.1

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1.20 diffutils 3.6

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content="DocBook XSL Stylesheets V1.37"></head><body bgcolor="white" text="black" link="#0000FF"
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```
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1.25 sqlite 3.23.1

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1.26 qemu 2.4.0

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Ty Coon, President of Vice

That's all there is to it!

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

```
/*
```

```
* System call numbers.
```

```
*
```

```
* created from NetBSD: syscalls.master,v 1.204 2008/06/17 16:05:23 tsutsui Exp
```

```
*/
```

```
#define TARGET_NETBSD_NR_syscall 0
#define TARGET_NETBSD_NR_exit 1
#define TARGET_NETBSD_NR_fork 2
#define TARGET_NETBSD_NR_read 3
#define TARGET_NETBSD_NR_write 4
#define TARGET_NETBSD_NR_open 5
#define TARGET_NETBSD_NR_close 6
#define TARGET_NETBSD_NR_wait4 7
#define TARGET_NETBSD_NR_compat_43_ocreat 8
#define TARGET_NETBSD_NR_link 9
#define TARGET_NETBSD_NR_unlink 10
#define TARGET_NETBSD_NR_chdir 12
#define TARGET_NETBSD_NR_fchdir 13
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#define TARGET_NETBSD_NR_chmod    15
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#define TARGET_NETBSD_NR_break    17
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#define TARGET_NETBSD_NR_getuid    24
#define TARGET_NETBSD_NR_geteuid    25
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#define TARGET_NETBSD_NR_recvfrom    29
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#define TARGET_NETBSD_NR_compat_12_oreboot  55
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#define TARGET_NETBSD_NR_pwrite 174
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```

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```

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```
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```

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

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```

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Licensing and contribution policy of dtc and libfdt

=====

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dtc does not incorporate or rely on libfdt for its operation, nor vice versa. It is important that these two pieces of software have different license conditions.

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David Gibson <david@gibson.dropbear.id.au>
(principal original author of dtc and libfdt)
2 November 2007
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```
/*  
* System call numbers.  
*  
* created from FreeBSD: releng/9.1/sys/kern/syscalls.master 229723  
* 2012-01-06 19:29:16Z jhb  
*/
```

```
#define TARGET_FREEBSD_NR_syscall 0  
#define TARGET_FREEBSD_NR_exit 1  
#define TARGET_FREEBSD_NR_fork 2  
#define TARGET_FREEBSD_NR_read 3  
#define TARGET_FREEBSD_NR_write 4  
#define TARGET_FREEBSD_NR_open 5  
#define TARGET_FREEBSD_NR_close 6  
#define TARGET_FREEBSD_NR_wait4 7  
/* 8 is old creat */  
#define TARGET_FREEBSD_NR_link 9  
#define TARGET_FREEBSD_NR_unlink 10  
/* 11 is obsolete execv */  
#define TARGET_FREEBSD_NR_chdir 12  
#define TARGET_FREEBSD_NR_fchdir 13  
#define TARGET_FREEBSD_NR_mknod 14  
#define TARGET_FREEBSD_NR_chmod 15  
#define TARGET_FREEBSD_NR_chown 16  
#define TARGET_FREEBSD_NR_break 17  
#define TARGET_FREEBSD_NR_freebsd4_getfsstat 18  
/* 19 is old lseek */  
#define TARGET_FREEBSD_NR_getpid 20
```

```

#define TARGET_FREEBSD_NR_mount 21
#define TARGET_FREEBSD_NR_unmount 22
#define TARGET_FREEBSD_NR_setuid
    23
#define TARGET_FREEBSD_NR_getuid 24
#define TARGET_FREEBSD_NR_geteuid 25
#define TARGET_FREEBSD_NR_ptrace 26
#define TARGET_FREEBSD_NR_recvmmsg 27
#define TARGET_FREEBSD_NR_sendmsg 28
#define TARGET_FREEBSD_NR_recvfrom 29
#define TARGET_FREEBSD_NR_accept 30
#define TARGET_FREEBSD_NR_getpeername 31
#define TARGET_FREEBSD_NR_getsockname 32
#define TARGET_FREEBSD_NR_access 33
#define TARGET_FREEBSD_NR_chflags 34
#define TARGET_FREEBSD_NR_fchflags 35
#define TARGET_FREEBSD_NR_sync 36
#define TARGET_FREEBSD_NR_kill 37
    /* 38 is old stat */
#define TARGET_FREEBSD_NR_getppid 39
    /* 40 is old lstat */
#define TARGET_FREEBSD_NR_dup 41
#define TARGET_FREEBSD_NR_pipe 42
#define TARGET_FREEBSD_NR_getegid 43
#define TARGET_FREEBSD_NR_profil 44
#define TARGET_FREEBSD_NR_ktrace 45
    /* 46 is old sigaction */
#define TARGET_FREEBSD_NR_getgid 47
    /* 48 is old sigprocmask */
#define TARGET_FREEBSD_NR_getlogin
    49
#define TARGET_FREEBSD_NR_setlogin 50
#define TARGET_FREEBSD_NR_acct 51
    /* 52 is old sigpending */
#define TARGET_FREEBSD_NR_sigaltstack 53
#define TARGET_FREEBSD_NR_ioctl 54
#define TARGET_FREEBSD_NR_reboot 55
#define TARGET_FREEBSD_NR_revoke 56
#define TARGET_FREEBSD_NR_symlink 57
#define TARGET_FREEBSD_NR_readlink 58
#define TARGET_FREEBSD_NR_execve 59
#define TARGET_FREEBSD_NR_umask 60
#define TARGET_FREEBSD_NR_chroot 61
    /* 62 is old fstat */
    /* 63 is old getkerninfo */
    /* 64 is old getpagesize */
#define TARGET_FREEBSD_NR_msync 65
#define TARGET_FREEBSD_NR_vfork 66

```

```

        /* 67 is obsolete vread */
        /* 68 is obsolete vwrite */
#define TARGET_FREEBSD_NR_sbrk 69
#define TARGET_FREEBSD_NR_sstk 70
        /* 71 is old mmap */
#define TARGET_FREEBSD_NR_vadvise 72
#define TARGET_FREEBSD_NR_munmap 73
#define TARGET_FREEBSD_NR_mprotect 74
#define
TARGET_FREEBSD_NR_madvise 75
        /* 76 is obsolete vhangup */
        /* 77 is obsolete vlimit */
#define TARGET_FREEBSD_NR_mincore 78
#define TARGET_FREEBSD_NR_getgroups 79
#define TARGET_FREEBSD_NR_setgroups 80
#define TARGET_FREEBSD_NR_getpgrp 81
#define TARGET_FREEBSD_NR_setpgid 82
#define TARGET_FREEBSD_NR_setitimer 83
        /* 84 is old wait */
#define TARGET_FREEBSD_NR_swapon 85
#define TARGET_FREEBSD_NR_getitimer 86
        /* 87 is old gethostname */
        /* 88 is old sethostname */
#define TARGET_FREEBSD_NR_getdtablesize 89
#define TARGET_FREEBSD_NR_dup2 90
#define TARGET_FREEBSD_NR_fcntl 92
#define TARGET_FREEBSD_NR_select 93
#define TARGET_FREEBSD_NR_fsync 95
#define TARGET_FREEBSD_NR_setpriority 96
#define TARGET_FREEBSD_NR_socket 97
#define TARGET_FREEBSD_NR_connect 98
        /* 99 is old accept */
#define TARGET_FREEBSD_NR_getpriority 100
        /* 101 is old send */

        /* 102 is old recv */
        /* 103 is old sigreturn */
#define TARGET_FREEBSD_NR_bind 104
#define TARGET_FREEBSD_NR_setsockopt 105
#define TARGET_FREEBSD_NR_listen 106
        /* 107 is obsolete vtimes */
        /* 108 is old sigvec */
        /* 109 is old sigblock */
        /* 110 is old sigsetmask */
        /* 111 is old sigsuspend */
        /* 112 is old sigstack */
        /* 113 is old recvmmsg */
        /* 114 is old sendmsg */

```

```

    /* 115 is obsolete vtrace */
#define TARGET_FREEBSD_NR_gettimeofday 116
#define TARGET_FREEBSD_NR_getrusage 117
#define TARGET_FREEBSD_NR_getsockopt 118
#define TARGET_FREEBSD_NR_readv 120
#define TARGET_FREEBSD_NR_writev 121
#define TARGET_FREEBSD_NR_settimeofday 122
#define TARGET_FREEBSD_NR_fchown 123
#define TARGET_FREEBSD_NR_fchmod 124
    /* 125 is old recvfrom */
#define TARGET_FREEBSD_NR_setreuid 126
#define TARGET_FREEBSD_NR_setregid
127
#define TARGET_FREEBSD_NR_rename 128
    /* 129 is old truncate */
    /* 130 is old ftruncate */
#define TARGET_FREEBSD_NR_flock 131
#define TARGET_FREEBSD_NR_mkfifo 132
#define TARGET_FREEBSD_NR_sendto 133
#define TARGET_FREEBSD_NR_shutdown 134
#define TARGET_FREEBSD_NR_socketpair 135
#define TARGET_FREEBSD_NR_mkdir 136
#define TARGET_FREEBSD_NR_rmdir 137
#define TARGET_FREEBSD_NR_utimes 138
    /* 139 is obsolete 4.2 sigreturn */
#define TARGET_FREEBSD_NR_adjtime 140
    /* 141 is old getpeername */
    /* 142 is old gethostid */
    /* 143 is old sethostid */
    /* 144 is old getrlimit */
    /* 145 is old setrlimit */
    /* 146 is old killpg */
#define TARGET_FREEBSD_NR_killpg 146 /* COMPAT */
#define TARGET_FREEBSD_NR_setsid 147
#define TARGET_FREEBSD_NR_quotactl 148
    /* 149 is old quota */
    /*
150 is old getsockname */
#define TARGET_FREEBSD_NR_nlm_syscall 154
#define TARGET_FREEBSD_NR_nfssvc 155
    /* 156 is old getdirentries */
#define TARGET_FREEBSD_NR_freebsd4_statfs 157
#define TARGET_FREEBSD_NR_freebsd4_fstatfs 158
#define TARGET_FREEBSD_NR_lgetfh 160
#define TARGET_FREEBSD_NR_getfh 161
#define TARGET_FREEBSD_NR_freebsd4_getdomainname 162
#define TARGET_FREEBSD_NR_freebsd4_setdomainname 163
#define TARGET_FREEBSD_NR_freebsd4_uname 164

```

```

#define TARGET_FREEBSD_NR_sysarch 165
#define TARGET_FREEBSD_NR_rtprio 166
#define TARGET_FREEBSD_NR_semsys 169
#define TARGET_FREEBSD_NR_msgsyz 170
#define TARGET_FREEBSD_NR_shmsys 171
#define TARGET_FREEBSD_NR_freebsd6_pread 173
#define TARGET_FREEBSD_NR_freebsd6_pwrite 174
#define TARGET_FREEBSD_NR_setfib 175
#define TARGET_FREEBSD_NR_ntp_adjtime 176
#define TARGET_FREEBSD_NR_setgid 181
#define TARGET_FREEBSD_NR_setegid 182
#define TARGET_FREEBSD_NR_seteuid 183
#define TARGET_FREEBSD_NR_stat
188
#define TARGET_FREEBSD_NR_fstat 189
#define TARGET_FREEBSD_NR_lstat 190
#define TARGET_FREEBSD_NR_pathconf 191
#define TARGET_FREEBSD_NR_fpathconf 192
#define TARGET_FREEBSD_NR_getrlimit 194
#define TARGET_FREEBSD_NR_setrlimit 195
#define TARGET_FREEBSD_NR_getdirentries 196
#define TARGET_FREEBSD_NR_freebsd6_mmap 197
#define TARGET_FREEBSD_NR___syscall 198
#define TARGET_FREEBSD_NR_freebsd6_lseek 199
#define TARGET_FREEBSD_NR_freebsd6_truncate 200
#define TARGET_FREEBSD_NR_freebsd6_ftruncate 201
#define TARGET_FREEBSD_NR___sysctl 202
#define TARGET_FREEBSD_NR_mlock 203
#define TARGET_FREEBSD_NR_munlock 204
#define TARGET_FREEBSD_NR_undelete 205
#define TARGET_FREEBSD_NR_futimes 206
#define TARGET_FREEBSD_NR_getpgid 207
#define TARGET_FREEBSD_NR_poll 209
#define TARGET_FREEBSD_NR_freebsd7___semctl 220
#define TARGET_FREEBSD_NR_semget 221
#define TARGET_FREEBSD_NR_semop 222
#define TARGET_FREEBSD_NR_freebsd7_msgctl 224
#define TARGET_FREEBSD_NR_msgget
225
#define TARGET_FREEBSD_NR_msgsnd 226
#define TARGET_FREEBSD_NR_msgrcv 227
#define TARGET_FREEBSD_NR_shmat 228
#define TARGET_FREEBSD_NR_freebsd7_shmctl 229
#define TARGET_FREEBSD_NR_shmdt 230
#define TARGET_FREEBSD_NR_shmget 231
#define TARGET_FREEBSD_NR_clock_gettime 232
#define TARGET_FREEBSD_NR_clock_settime 233
#define TARGET_FREEBSD_NR_clock_getres 234

```



```

#define TARGET_FREEBSD_NR_ktimer_create 235
#define TARGET_FREEBSD_NR_ktimer_delete 236
#define TARGET_FREEBSD_NR_ktimer_settime 237
#define TARGET_FREEBSD_NR_ktimer_gettime 238
#define TARGET_FREEBSD_NR_ktimer_getoverrun 239
#define TARGET_FREEBSD_NR_nanosleep 240
#define TARGET_FREEBSD_NR_ntp_gettime 248
#define TARGET_FREEBSD_NR_minherit 250
#define TARGET_FREEBSD_NR_rfork 251
#define TARGET_FREEBSD_NR_openbsd_poll 252
#define TARGET_FREEBSD_NR_issetugid 253
#define TARGET_FREEBSD_NR_lchown 254
#define TARGET_FREEBSD_NR_aio_read 255
#define TARGET_FREEBSD_NR_aio_write 256
#define TARGET_FREEBSD_NR_lio_listio
    257
#define TARGET_FREEBSD_NR_getdents 272
#define TARGET_FREEBSD_NR_lchmod 274
#define TARGET_FREEBSD_NR_netbsd_lchown 275
#define TARGET_FREEBSD_NR_lutimes 276
#define TARGET_FREEBSD_NR_netbsd_msync 277
#define TARGET_FREEBSD_NR_nstat 278
#define TARGET_FREEBSD_NR_nfstat 279
#define TARGET_FREEBSD_NR_nlstat 280
#define TARGET_FREEBSD_NR_preadv 289
#define TARGET_FREEBSD_NR_pwritev 290
#define TARGET_FREEBSD_NR_freebsd4_fhstatfs 297
#define TARGET_FREEBSD_NR_fhopen 298
#define TARGET_FREEBSD_NR_fhstat 299
#define TARGET_FREEBSD_NR_modnext 300
#define TARGET_FREEBSD_NR_modstat 301
#define TARGET_FREEBSD_NR_modfnnext 302
#define TARGET_FREEBSD_NR_modfind 303
#define TARGET_FREEBSD_NR_kldload 304
#define TARGET_FREEBSD_NR_kldunload 305
#define TARGET_FREEBSD_NR_kldfind 306
#define TARGET_FREEBSD_NR_kldnext 307
#define TARGET_FREEBSD_NR_kldstat 308
#define TARGET_FREEBSD_NR_kldfirstmod 309
#define TARGET_FREEBSD_NR_getsid
    310
#define TARGET_FREEBSD_NR_setresuid 311
#define TARGET_FREEBSD_NR_setresgid 312
    /* 313 is obsolete signanosleep */
#define TARGET_FREEBSD_NR_aio_return 314
#define TARGET_FREEBSD_NR_aio_suspend 315
#define TARGET_FREEBSD_NR_aio_cancel 316
#define TARGET_FREEBSD_NR_aio_error 317

```

```

#define TARGET_FREEBSD_NR_oaio_read 318
#define TARGET_FREEBSD_NR_oaio_write 319
#define TARGET_FREEBSD_NR_olio_listio 320
#define TARGET_FREEBSD_NR_yield 321
    /* 322 is obsolete thr_sleep */
    /* 323 is obsolete thr_wakeup */
#define TARGET_FREEBSD_NR_mlockall 324
#define TARGET_FREEBSD_NR_munlockall 325
#define TARGET_FREEBSD_NR___getcwd 326
#define TARGET_FREEBSD_NR_sched_setparam 327
#define TARGET_FREEBSD_NR_sched_getparam 328
#define TARGET_FREEBSD_NR_sched_setscheduler 329
#define TARGET_FREEBSD_NR_sched_getscheduler 330
#define TARGET_FREEBSD_NR_sched_yield 331
#define TARGET_FREEBSD_NR_sched_get_priority_max 332
#define
    TARGET_FREEBSD_NR_sched_get_priority_min 333
#define TARGET_FREEBSD_NR_sched_rr_get_interval 334
#define TARGET_FREEBSD_NR_utrace 335
#define TARGET_FREEBSD_NR_freebsd4_sendfile 336
#define TARGET_FREEBSD_NR_kldsym 337
#define TARGET_FREEBSD_NR_jail 338
#define TARGET_FREEBSD_NR_nnpfs_syscall 339
#define TARGET_FREEBSD_NR_sigprocmask 340
#define TARGET_FREEBSD_NR_sigsuspend 341
#define TARGET_FREEBSD_NR_freebsd4_sigaction 342
#define TARGET_FREEBSD_NR_sigpending 343
#define TARGET_FREEBSD_NR_freebsd4_sigreturn 344
#define TARGET_FREEBSD_NR_sigtimedwait 345
#define TARGET_FREEBSD_NR_sigwaitinfo 346
#define TARGET_FREEBSD_NR___acl_get_file 347
#define TARGET_FREEBSD_NR___acl_set_file 348
#define TARGET_FREEBSD_NR___acl_get_fd 349
#define TARGET_FREEBSD_NR___acl_set_fd 350
#define TARGET_FREEBSD_NR___acl_delete_file 351
#define TARGET_FREEBSD_NR___acl_delete_fd 352
#define TARGET_FREEBSD_NR___acl_aclcheck_file 353
#define TARGET_FREEBSD_NR___acl_aclcheck_fd
    354
#define TARGET_FREEBSD_NR_extattrctl 355
#define TARGET_FREEBSD_NR_extattr_set_file 356
#define TARGET_FREEBSD_NR_extattr_get_file 357
#define TARGET_FREEBSD_NR_extattr_delete_file 358
#define TARGET_FREEBSD_NR_aio_waitcomplete 359
#define TARGET_FREEBSD_NR_getresuid 360
#define TARGET_FREEBSD_NR_getresgid 361
#define TARGET_FREEBSD_NR_kqueue 362
#define TARGET_FREEBSD_NR_kevent 363

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#define TARGET_FREEBSD_NR_extattr_set_fd 371
#define TARGET_FREEBSD_NR_extattr_get_fd 372
#define TARGET_FREEBSD_NR_extattr_delete_fd 373
#define TARGET_FREEBSD_NR___setugid 374
#define TARGET_FREEBSD_NR_eaccess 376
#define TARGET_FREEBSD_NR_afs3_syscall 377
#define TARGET_FREEBSD_NR_nmount 378
#define TARGET_FREEBSD_NR___mac_get_proc 384
#define TARGET_FREEBSD_NR___mac_set_proc 385
#define TARGET_FREEBSD_NR___mac_get_fd 386
#define TARGET_FREEBSD_NR___mac_get_file 387
#define TARGET_FREEBSD_NR___mac_set_fd 388
#define TARGET_FREEBSD_NR___mac_set_file 389
#define
TARGET_FREEBSD_NR_kenv 390
#define TARGET_FREEBSD_NR_lchflags 391
#define TARGET_FREEBSD_NR_uuidgen 392
#define TARGET_FREEBSD_NR_sendfile 393
#define TARGET_FREEBSD_NR_mac_syscall 394
#define TARGET_FREEBSD_NR_getfsstat 395
#define TARGET_FREEBSD_NR_statfs 396
#define TARGET_FREEBSD_NR_fstatfs 397
#define TARGET_FREEBSD_NR_fhstatfs 398
#define TARGET_FREEBSD_NR_ksem_close 400
#define TARGET_FREEBSD_NR_ksem_post 401
#define TARGET_FREEBSD_NR_ksem_wait 402
#define TARGET_FREEBSD_NR_ksem_trywait 403
#define TARGET_FREEBSD_NR_ksem_init 404
#define TARGET_FREEBSD_NR_ksem_open 405
#define TARGET_FREEBSD_NR_ksem_unlink 406
#define TARGET_FREEBSD_NR_ksem_getvalue 407
#define TARGET_FREEBSD_NR_ksem_destroy 408
#define TARGET_FREEBSD_NR___mac_get_pid 409
#define TARGET_FREEBSD_NR___mac_get_link 410
#define TARGET_FREEBSD_NR___mac_set_link 411
#define TARGET_FREEBSD_NR_extattr_set_link 412
#define TARGET_FREEBSD_NR_extattr_get_link 413
#define TARGET_FREEBSD_NR_extattr_delete_link
414
#define TARGET_FREEBSD_NR___mac_execve 415
#define TARGET_FREEBSD_NR_sigaction 416
#define TARGET_FREEBSD_NR_sigreturn 417
#define TARGET_FREEBSD_NR_getcontext 421
#define TARGET_FREEBSD_NR_setcontext 422
#define TARGET_FREEBSD_NR_swapcontext 423
#define TARGET_FREEBSD_NR_swapoff 424
#define TARGET_FREEBSD_NR___acl_get_link 425
#define TARGET_FREEBSD_NR___acl_set_link 426

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#define TARGET_FREEBSD_NR___acl_delete_link 427
#define TARGET_FREEBSD_NR___acl_aclcheck_link 428
#define TARGET_FREEBSD_NR_sigwait 429
#define TARGET_FREEBSD_NR_thr_create 430
#define TARGET_FREEBSD_NR_thr_exit 431
#define TARGET_FREEBSD_NR_thr_self 432
#define TARGET_FREEBSD_NR_thr_kill 433
#define TARGET_FREEBSD_NR__umtx_lock 434
#define TARGET_FREEBSD_NR__umtx_unlock 435
#define TARGET_FREEBSD_NR_jail_attach 436
#define TARGET_FREEBSD_NR_extattr_list_fd 437
#define TARGET_FREEBSD_NR_extattr_list_file 438
#define TARGET_FREEBSD_NR_extattr_list_link 439
#define
TARGET_FREEBSD_NR_ksem_timedwait 441
#define TARGET_FREEBSD_NR_thr_suspend 442
#define TARGET_FREEBSD_NR_thr_wake 443
#define TARGET_FREEBSD_NR_kldunloadf 444
#define TARGET_FREEBSD_NR_audit 445
#define TARGET_FREEBSD_NR_auditon 446
#define TARGET_FREEBSD_NR_getaudit 447
#define TARGET_FREEBSD_NR_setaudit 448
#define TARGET_FREEBSD_NR_getaudit 449
#define TARGET_FREEBSD_NR_setaudit 450
#define TARGET_FREEBSD_NR_getaudit_addr 451
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#define TARGET_FREEBSD_NR__umtx_op 454
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#define TARGET_FREEBSD_NR_sigqueue 456
#define TARGET_FREEBSD_NR_kmq_open 457
#define TARGET_FREEBSD_NR_kmq_setattr 458
#define TARGET_FREEBSD_NR_kmq_timedreceive 459
#define TARGET_FREEBSD_NR_kmq_timedsend 460
#define TARGET_FREEBSD_NR_kmq_notify 461
#define TARGET_FREEBSD_NR_kmq_unlink 462
#define TARGET_FREEBSD_NR_abort2 463
#define TARGET_FREEBSD_NR_thr_set_name
464
#define TARGET_FREEBSD_NR_aio_fsync 465
#define TARGET_FREEBSD_NR_rtprio_thread 466
#define TARGET_FREEBSD_NR_sctp_peeloff 471
#define TARGET_FREEBSD_NR_sctp_generic_sendmsg 472
#define TARGET_FREEBSD_NR_sctp_generic_sendmsg_iov 473
#define TARGET_FREEBSD_NR_sctp_generic_recvmsg 474
#define TARGET_FREEBSD_NR_pread 475
#define TARGET_FREEBSD_NR_pwrite 476
#define TARGET_FREEBSD_NR_mmap 477
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#define TARGET_FREEBSD_NR_lseek 478
#define TARGET_FREEBSD_NR_truncate 479
#define TARGET_FREEBSD_NR_ftruncate 480
#define TARGET_FREEBSD_NR_thr_kill2 481
#define TARGET_FREEBSD_NR_shm_open 482
#define TARGET_FREEBSD_NR_shm_unlink 483
#define TARGET_FREEBSD_NR_cpuset 484
#define TARGET_FREEBSD_NR_cpuset_setid 485
#define TARGET_FREEBSD_NR_cpuset_getid 486
#define TARGET_FREEBSD_NR_cpuset_getaffinity 487
#define TARGET_FREEBSD_NR_cpuset_setaffinity 488
#define TARGET_FREEBSD_NR_faccessat 489
#define TARGET_FREEBSD_NR_fchmodat 490
#define TARGET_FREEBSD_NR_fchownat 491
#define
TARGET_FREEBSD_NR_fexecve 492
#define TARGET_FREEBSD_NR_fstatat 493
#define TARGET_FREEBSD_NR_futimesat 494
#define TARGET_FREEBSD_NR_linkat 495
#define TARGET_FREEBSD_NR_mkdirat 496
#define TARGET_FREEBSD_NR_mkfifoat 497
#define TARGET_FREEBSD_NR_mknodat 498
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#define TARGET_FREEBSD_NR_readlinkat 500
#define TARGET_FREEBSD_NR_renameat 501
#define TARGET_FREEBSD_NR_symlinkat 502
#define TARGET_FREEBSD_NR_unlinkat 503
#define TARGET_FREEBSD_NR_posix_openpt 504
#define TARGET_FREEBSD_NR_gssd_syscall 505
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#define TARGET_FREEBSD_NR_jail_set 507
#define TARGET_FREEBSD_NR_jail_remove 508
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#define TARGET_FREEBSD_NR_shmctl 512
#define TARGET_FREEBSD_NR_lpathconf 513
#define TARGET_FREEBSD_NR_cap_new 514
#define TARGET_FREEBSD_NR_cap_getrights 515
#define TARGET_FREEBSD_NR_cap_enter
516
#define TARGET_FREEBSD_NR_cap_getmode 517
#define TARGET_FREEBSD_NR_pdfork 518
#define TARGET_FREEBSD_NR_pdkill 519
#define TARGET_FREEBSD_NR_pdgetpid 520
#define TARGET_FREEBSD_NR_pselect 522
#define TARGET_FREEBSD_NR_getloginclass 523
#define TARGET_FREEBSD_NR_setloginclass 524

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#define TARGET_FREEBSD_NR_rctl_get_racct 525
#define TARGET_FREEBSD_NR_rctl_get_rules 526
#define TARGET_FREEBSD_NR_rctl_get_limits 527
#define TARGET_FREEBSD_NR_rctl_add_rule 528
#define TARGET_FREEBSD_NR_rctl_remove_rule 529
#define TARGET_FREEBSD_NR_posix_fallocate 530
#define TARGET_FREEBSD_NR_posix_fadvise 531
#define TARGET_FREEBSD_NR_MAXSYSCALL 532
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```

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Ty Coon, President of Vice

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Index: debug.c

=====

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/debug.c,v

retrieving revision 1.1

```

retrieving revision 1.3
diff -u -u -r1.1 -r1.3
--- debug.c 7 Sep 2007 10:01:21 -0000 1.1
+++ debug.c 15 Jan 2008 13:49:25 -0000 1.3
@@ -52,7 +52,11 @@
void X86EMU_trace_regs (void)
{
    if (DEBUG_TRACE()) {
-   x86emu_dump_regs();
+   if (M.x86.mode & (SYSMODE_PREFIX_DATA | SYSMODE_PREFIX_ADDR)) {
+   x86emu_dump_xregs();
+   } else {
+   x86emu_dump_regs();
+   }
    }
    if (DEBUG_DECODE() && ! DEBUG_DECODE_NOPRINT()) {
        printk("%04x:%04x ",M.x86.saved_cs, M.x86.saved_ip);
@@ -185,7 +189,7 @@
    for (i=0; i< M.x86.enc_pos; i++) {
        sprintf(buf1+2*i,"%02x", fetch_data_byte_abs(s,o+i));
    }
-   printk("%-20s",buf1);
+   printk("%-20s ",buf1);
}

```

static void print_decoded_instruction (void)

Index: ops2.c

=====
RCS file:

/cvs/osdf/cvs/host/other-licence/x86emu/ops2.c,v

retrieving revision 1.1

retrieving revision 1.3

diff -u -u -r1.1 -r1.3

--- ops2.c 7 Sep 2007 10:01:21 -0000 1.1

+++ ops2.c 20 Mar 2008 15:48:34 -0000 1.3

@@ -149,8 +149,69 @@

```

    target += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", target);
    TRACE_AND_STEP();
-   if (cond)
+   if (cond) {
        M.x86.R_IP = (u16)target;
+   JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " LONG COND ");
+   }
+   DECODE_CLEAR_SEGOVR();
+   END_OF_INSTR();
+}
+

```

```

+/******
+REMARKS:
+Handles opcode 0x0f,0xC8-0xCF
+*****/
+s32 x86emu_bswap(s32 reg)
+{
+ // perform the byte swap
+ s32 temp = reg;
+ reg = (temp & 0xFF000000) >> 24;
+ reg |= (temp & 0xFF0000) >> 8;
+ reg |= (temp & 0xFF00) << 8;
+ reg |= (temp & 0xFF) << 24;
+ return reg;
+}
+
+void x86emuOp2_bswap(u8 op2)
+{
+
+ /* byte swap 32 bit register */
+ START_OF_INSTR();
+ DECODE_PRINTF("BSWAP\t");
+ switch (op2) {
+ case 0xc8:
+ DECODE_PRINTF("EAX\n");
+ M.x86.R_EAX = x86emu_bswap(M.x86.R_EAX);
+ break;
+ case 0xc9:
+ DECODE_PRINTF("ECX\n");
+ M.x86.R_ECX = x86emu_bswap(M.x86.R_ECX);
+ break;
+ case 0xca:
+ DECODE_PRINTF("EDX\n");
+ M.x86.R_EDX = x86emu_bswap(M.x86.R_EDX);
+ break;
+ case 0xcb:
+ DECODE_PRINTF("EBX\n");
+ M.x86.R_EBX = x86emu_bswap(M.x86.R_EBX);
+ break;
+ case 0xcc:
+ DECODE_PRINTF("ESP\n");
+ M.x86.R_ESP = x86emu_bswap(M.x86.R_ESP);
+ break;
+ case 0xcd:
+ DECODE_PRINTF("EBP\n");
+ M.x86.R_EBP = x86emu_bswap(M.x86.R_EBP);
+ break;
+ case 0xce:
+ DECODE_PRINTF("ESI\n");

```

```

+   M.x86.R_ESI = x86emu_bswap(M.x86.R_ESI);
+   break;
+   case 0xcf:
+   DECODE_PRINTF("EDI\n");
+   M.x86.R_ESI
= x86emu_bswap(M.x86.R_ESI);
+   break;
+ }
+ TRACE_AND_STEP();
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
}
@@ -1702,14 +1763,14 @@
/* 0xc5 */ x86emuOp2_illegal_op,
/* 0xc6 */ x86emuOp2_illegal_op,
/* 0xc7 */ x86emuOp2_illegal_op,
-/* 0xc8 */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xc9 */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xca */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcb */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcc */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcd */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xce */ x86emuOp2_illegal_op, /* TODO: bswap */
-/* 0xcf */ x86emuOp2_illegal_op, /* TODO: bswap */
+/* 0xc8 */ x86emuOp2_bswap,
+/* 0xc9 */ x86emuOp2_bswap,
+/* 0xca */ x86emuOp2_bswap,
+/* 0xcb */ x86emuOp2_bswap,
+/* 0xcc */ x86emuOp2_bswap,
+/* 0xcd */ x86emuOp2_bswap,
+/* 0xce */ x86emuOp2_bswap,
+/* 0xcf */ x86emuOp2_bswap,

```

```

/* 0xd0 */ x86emuOp2_illegal_op,
/* 0xd1 */ x86emuOp2_illegal_op,

```

Index:

ops.c

```

=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/ops.c,v

```

retrieving revision 1.1

diff -u -u -r1.1 ops.c

--- ops.c 7 Sep 2007 10:01:21 -0000 1.1

+++ ops.c 20 Mar 2008 16:52:00 -0000

```

@@ -1061,7 +1061,11 @@

```

```

    imm = (s8)fetch_byte_imm();

```

```

    DECODE_PRINTF2("PUSH\t%d\n", imm);

```

```

    TRACE_AND_STEP();

```

```

-   push_word(imm);

```

```

+ if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+   push_long(imm);
+ } else {
+   push_word(imm);
+ }
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
}
@@ -1256,8 +1260,10 @@
  target = (u16)(M.x86.R_IP + (s16)offset);
  DECODE_PRINTF2("%x\n", target);
  TRACE_AND_STEP();
- if (cond)
+ if (cond) {
  M.x86.R_IP = target;
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " NEAR COND ");
+ }
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
}
@@ -2516,9 +2522,11 @@
  count = 1;
  if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE))
  {
    /* dont care whether REPE or REPNE */
-   /* move them until CX is ZERO. */
-   count = M.x86.R_CX;
+   /* move them until (E)CX is ZERO. */
+   count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+   M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
  }
  while (count--> 0) {
@@ -2526,6 +2534,8 @@
    store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, val);
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+   if (M.x86.intr & INTR_HALTED)
+     break;
  }
  DECODE_CLEAR_SEGOVR();
  END_OF_INSTR();
@@ -2559,9 +2569,11 @@
  count = 1;
  if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */

```

```

-   /* move them until CX is ZERO. */
-   count = M.x86.R_CX;
+   /* move them until (E)CX is ZERO. */
+   count = (M.x86.mode
& SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+     M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
    while (count--) {
@@ -2574,6 +2586,8 @@
    }
    M.x86.R_SI += inc;
    M.x86.R_DI += inc;
+   if (M.x86.intr & INTR_HALTED)
+       break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -2598,16 +2612,21 @@

    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* REPE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            val1 = fetch_data_byte(M.x86.R_SI);
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
                cmp_byte(val1, val2);
-           M.x86.R_CX -= 1;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+
                M.x86.R_ECX -= 1;
+           else
+               M.x86.R_CX -= 1;
            M.x86.R_SI += inc;
            M.x86.R_DI += inc;
            if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && (ACCESS_FLAG(F_ZF) == 0) ) break;
            if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+           if (M.x86.intr & INTR_HALTED)
+               break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2644,8 +2663,8 @@
        TRACE_AND_STEP();

```

```

if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* REPE */
-   /* move them until CX is ZERO. */
-   while (M.x86.R_CX != 0) {
+   /* move them until (E)CX is ZERO. */
+   while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        if (M.x86.mode & SYSMODE_PREFIX_DATA) {
            val1 = fetch_data_long(M.x86.R_SI);
            val2 = fetch_data_long_abs(M.x86.R_ES,
M.x86.R_DI);
@@ -2655,11 +2674,16 @@
            val2 = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_word((u16)val1, (u16)val2);
        }
-       M.x86.R_CX -= 1;
+       if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX -= 1;
+       else
+           M.x86.R_CX -= 1;
        M.x86.R_SI += inc;
        M.x86.R_DI += inc;
        if ( (M.x86.mode & SYSMODE_PREFIX_REPE) && ACCESS_FLAG(F_ZF) == 0 ) break;
        if ( (M.x86.mode & SYSMODE_PREFIX_REPNE) && ACCESS_FLAG(F_ZF) ) break;
+       if (M.x86.intr & INTR_HALTED)
+           break;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
} else {
@@ -2741,11 +2765,16 @@
    TRACE_AND_STEP();
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /*
+       move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            store_data_byte_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AL);
-           M.x86.R_CX -= 1;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+               M.x86.R_ECX -= 1;
+           else
+               M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
+           if (M.x86.intr & INTR_HALTED)
+               break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);

```

```

    } else {
@@ -2783,9 +2812,11 @@
    count = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* move them until CX is ZERO. */
-        count = M.x86.R_CX;
+        /* move them until (E)CX is ZERO. */
+        count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
        M.x86.R_CX = 0;
+    if (M.x86.mode & SYSMODE_32BIT_REP)
+        M.x86.R_ECX = 0;

        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    }
    while (count--) {
@@ -2795,6 +2826,8 @@
        store_data_word_abs(M.x86.R_ES, M.x86.R_DI, M.x86.R_AX);
    }
    M.x86.R_DI += inc;
+    if (M.x86.intr & INTR_HALTED)
+        break;
    }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -2817,11 +2850,16 @@
    inc = 1;
    if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
        /* dont care whether REPE or REPNE */
-        /* move them until CX is ZERO. */
-        while (M.x86.R_CX != 0) {
+        /* move them until (E)CX is ZERO. */
+        while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            M.x86.R_AL = fetch_data_byte(M.x86.R_SI);
-            M.x86.R_CX -= 1;
+            if (M.x86.mode & SYSMODE_32BIT_REP)
+                M.x86.R_ECX -= 1;
+            else
+                M.x86.R_CX -= 1;
            M.x86.R_SI += inc;
+            if (M.x86.intr & INTR_HALTED)
+
            break;
        }
        M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
    } else {
@@ -2859,9 +2897,11 @@
    count = 1;

```



```

if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-   /* move them until CX is ZERO. */
-   count = M.x86.R_CX;
+   /* move them until (E)CX is ZERO. */
+   count = (M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX;
    M.x86.R_CX = 0;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+     M.x86.R_ECX = 0;
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
}
while (count--) {
@@ -2871,6 +2911,8 @@
    M.x86.R_AX = fetch_data_word(M.x86.R_SI);
}
    M.x86.R_SI += inc;
+   if (M.x86.intr & INTR_HALTED)
+       break;
}
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -2894,26 +2936,36 @@
    inc = 1;
    if (M.x86.mode & SYSMODE_PREFIX_REPE) {
        /*
REPE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {
+       /* move them until (E)CX is ZERO. */
+       while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
            val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_byte(M.x86.R_AL, val2);
-           M.x86.R_CX -= 1;
+           if (M.x86.mode & SYSMODE_32BIT_REP)
+               M.x86.R_ECX -= 1;
+           else
+               M.x86.R_CX -= 1;
            M.x86.R_DI += inc;
            if (ACCESS_FLAG(F_ZF) == 0)
                break;
+           if (M.x86.intr & INTR_HALTED)
+               break;
        }
        M.x86.mode &= ~SYSMODE_PREFIX_REPE;
    } else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
        /* REPNE */
-       /* move them until CX is ZERO. */
-       while (M.x86.R_CX != 0) {

```

```

+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {

    val2 = fetch_data_byte_abs(M.x86.R_ES, M.x86.R_DI);
    cmp_byte(M.x86.R_AL, val2);
-   M.x86.R_CX -= 1;
+   if (M.x86.mode & SYSMODE_32BIT_REP)
+       M.x86.R_ECX -= 1;
+   else
+       M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break; /* zero flag set means equal */
+   if (M.x86.intr & INTR_HALTED)
+       break;
}
M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -2951,8 +3003,8 @@
TRACE_AND_STEP();
if (M.x86.mode & SYSMODE_PREFIX_REPE) {
    /* REPE */
-   /* move them until CX is ZERO. */
-   while (M.x86.R_CX != 0) {
+   /* move them until (E)CX is ZERO. */
+   while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
        if (M.x86.mode & SYSMODE_PREFIX_DATA) {
            val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_long(M.x86.R_EAX,
val);
@@ -2960,16 +3012,21 @@
            val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
            cmp_word(M.x86.R_AX, (u16)val);
        }
-       M.x86.R_CX -= 1;
+       if (M.x86.mode & SYSMODE_32BIT_REP)
+           M.x86.R_ECX -= 1;
+       else
+           M.x86.R_CX -= 1;
        M.x86.R_DI += inc;
        if (ACCESS_FLAG(F_ZF) == 0)
            break;
+       if (M.x86.intr & INTR_HALTED)
+           break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPE;
} else if (M.x86.mode & SYSMODE_PREFIX_REPNE) {
    /* REPNE */

```

```

- /* move them until CX is ZERO. */
- while (M.x86.R_CX != 0) {
+ /* move them until (E)CX is ZERO. */
+ while (((M.x86.mode & SYSMODE_32BIT_REP) ? M.x86.R_ECX : M.x86.R_CX) != 0) {
    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
        val = fetch_data_long_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_long(M.x86.R_EAX,
val);
@@ -2977,10 +3034,15 @@
        val = fetch_data_word_abs(M.x86.R_ES, M.x86.R_DI);
        cmp_word(M.x86.R_AX, (u16)val);
    }
- M.x86.R_CX -= 1;
+ if (M.x86.mode & SYSMODE_32BIT_REP)
+     M.x86.R_ECX -= 1;
+ else
+     M.x86.R_CX -= 1;
    M.x86.R_DI += inc;
    if (ACCESS_FLAG(F_ZF))
        break; /* zero flag set means equal */
+ if (M.x86.intr & INTR_HALTED)
+     break;
    }
    M.x86.mode &= ~SYSMODE_PREFIX_REPNE;
} else {
@@ -3238,9 +3300,9 @@
    DECODE_PRINTF("RET\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
- RETURN_TRACE("RET", M.x86.saved_cs, M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+ RETURN_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3254,9 +3316,9 @@
@@
{
    START_OF_INSTR();
    DECODE_PRINTF("RET\n");
- RETURN_TRACE("RET", M.x86.saved_cs, M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
+ RETURN_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "NEAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}

```

```

@@ -3471,10 +3533,10 @@
    DECODE_PRINTF("RETF\t");
    imm = fetch_word_imm();
    DECODE_PRINTF2("%x\n", imm);
- RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    M.x86.R_SP += imm;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -3488,10 +3550,10 @@
{
    START_OF_INSTR();
    DECODE_PRINTF("RETF\n");
- RETURN_TRACE("RETF",M.x86.saved_cs,M.x86.saved_ip);
TRACE_AND_STEP();
    M.x86.R_IP = pop_word();
    M.x86.R_CS = pop_word();
+ RETURN_TRACE(M.x86.saved_cs,M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, "FAR");
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -4020,8 +4082,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0 && !ACCESS_FLAG(F_ZF)) /* CX != 0 and !ZF */
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else
+ M.x86.R_CX -= 1;
+ if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
!ACCESS_FLAG(F_ZF)) /* (E)CX != 0 and !ZF */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4041,8 +4106,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
- M.x86.R_CX -= 1;
- if (M.x86.R_CX != 0 && ACCESS_FLAG(F_ZF)) /* CX != 0 and ZF */
+ if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+ M.x86.R_ECX -= 1;
+ else

```

```

+   M.x86.R_CX -= 1;
+   if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0 &&
ACCESS_FLAG(F_ZF))   /* (E)CX != 0 and ZF */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4062,8 +4130,11 @@
    ip += (s16) M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
    TRACE_AND_STEP();
-   M.x86.R_CX -= 1;
-   if (M.x86.R_CX != 0)
+   if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+   M.x86.R_ECX -= 1;
+   else
+   M.x86.R_CX -= 1;
+   if (((M.x86.mode & SYSMODE_PREFIX_ADDR) ? M.x86.R_ECX : M.x86.R_CX) != 0)   /* (E)CX != 0 */
    M.x86.R_IP = ip;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
@@ -4085,8 +4156,10 @@
    target = (u16)(M.x86.R_IP + offset);
    DECODE_PRINTF2("%x\n", target);
    TRACE_AND_STEP();
-   if (M.x86.R_CX == 0)
+   if (M.x86.R_CX == 0) {
    M.x86.R_IP = target;
+ JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, M.x86.R_IP, " CXZ ");
+ }
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -4213,6 +4286,7 @@
    ip = (s16)fetch_word_imm();
    ip += (s16)M.x86.R_IP;
    DECODE_PRINTF2("%04x\n", ip);
+   JMP_TRACE(M.x86.saved_cs,
M.x86.saved_ip, M.x86.R_CS, ip, " NEAR ");
    TRACE_AND_STEP();
    M.x86.R_IP = (u16)ip;
    DECODE_CLEAR_SEGOVR();
@@ -4233,6 +4307,7 @@
    cs = fetch_word_imm();
    DECODE_PRINTF2("%04x:", cs);
    DECODE_PRINTF2("%04x\n", ip);
+   JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, cs, ip, " FAR ");
    TRACE_AND_STEP();
    M.x86.R_IP = ip;

```

```

M.x86.R_CS = cs;
@@ -4254,6 +4329,7 @@
    offset = (s8)fetch_byte_imm();
    target = (u16)(M.x86.R_IP + offset);
    DECODE_PRINTF2("%x\n", target);
+   JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, target, " BYTE ");
    TRACE_AND_STEP();
    M.x86.R_IP = target;
    DECODE_CLEAR_SEGOVR();
@@ -4357,6 +4433,8 @@
    DECODE_PRINTF("REPNE\n");
    TRACE_AND_STEP();
    M.x86.mode |= SYSMODE_PREFIX_REPNE;
+   if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+       M.x86.mode |= SYSMODE_32BIT_REP;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -4371,6 +4449,8 @@
    DECODE_PRINTF("REPE\n");
    TRACE_AND_STEP();
    M.x86.mode |= SYSMODE_PREFIX_REPE;
+   if (M.x86.mode & SYSMODE_PREFIX_ADDR)
+       M.x86.mode |= SYSMODE_32BIT_REP;
    DECODE_CLEAR_SEGOVR();
    END_OF_INSTR();
}
@@ -5013,12 +5093,14 @@
    break;
    case 4:    /* jmp word ptr ... */
        destval = fetch_data_word(destoffset);
+       JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, M.x86.R_CS, destval, " WORD ");
        TRACE_AND_STEP();
        M.x86.R_IP = destval;
        break;
    case 5:    /* jmp far ptr ... */
        destval = fetch_data_word(destoffset);
        destval2 = fetch_data_word(destoffset + 2);
+       JMP_TRACE(M.x86.saved_cs, M.x86.saved_ip, destval2, destval, " FAR ");
        TRACE_AND_STEP();
        M.x86.R_IP = destval;
        M.x86.R_CS = destval2;

```

Index: prim_ops.c

=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/prim_ops.c,v

retrieving revision

1.1

retrieving revision 1.3

```

diff -u -u -r1.1 -r1.3
--- prim_ops.c 7 Sep 2007 10:01:21 -0000 1.1
+++ prim_ops.c 16 Jan 2008 14:18:15 -0000 1.3
@@ -1921,7 +1921,7 @@
void imul_long_direct(u32 *res_lo, u32* res_hi,u32 d, u32 s)
{
#ifdef __HAS_LONG_LONG__
- s64 res = (s64)d * (s64)s;
+ s64 res = (s64)(s32)d * (s64)(s32)s;

    *res_lo = (u32)res;
    *res_hi = (u32)(res >> 32);
@@ -2013,7 +2013,7 @@
void mul_long(u32 s)
{
#ifdef __HAS_LONG_LONG__
- u64 res = (u32)M.x86.R_EAX * (u32)s;
+ u64 res = (u64)M.x86.R_EAX * s;

    M.x86.R_EAX = (u32)res;
    M.x86.R_EDX = (u32)(res >> 32);
@@ -2312,16 +2312,15 @@
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-    /* in until CX is ZERO. */
-    u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+    /* in until (E)CX is ZERO. */
+    u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R_ECX : M.x86.R_CX);
-
    while (count--) {
        single_in(size);
        M.x86.R_DI += inc;
    }
    M.x86.R_CX = 0;
-    if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+    if (M.x86.mode & SYSMODE_32BIT_REP) {
        M.x86.R_ECX = 0;
    }
    M.x86.mode &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
@@ -2355,15 +2354,15 @@
}
if (M.x86.mode & (SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE)) {
    /* dont care whether REPE or REPNE */
-    /* out until CX is ZERO. */
-    u32 count = ((M.x86.mode & SYSMODE_PREFIX_DATA) ?
+    /* out until (E)CX is ZERO. */

```

```

+   u32 count = ((M.x86.mode & SYSMODE_32BIT_REP) ?
        M.x86.R_ECX : M.x86.R_CX);
while (count--) {
    single_out(size);
    M.x86.R_SI += inc;
}
M.x86.R_CX = 0;
-   if (M.x86.mode & SYSMODE_PREFIX_DATA) {
+   if (M.x86.mode & SYSMODE_32BIT_REP) {
        M.x86.R_ECX = 0;
    }
    M.x86.mode
    &= ~(SYSMODE_PREFIX_REPE | SYSMODE_PREFIX_REPNE);
Index: sys.c

```

=====

RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/sys.c,v

retrieving revision 1.1

retrieving revision 1.2

diff -u -u -r1.1 -r1.2

--- sys.c 7 Sep 2007 10:01:21 -0000 1.1

+++ sys.c 7 Sep 2007 10:03:13 -0000 1.2

@@ -45,11 +45,6 @@

#include <x86emu/regs.h>

#include "debug.h"

#include "prim_ops.h"

-#ifdef LINUXBIOS_VERSION

-#include "io.h"

-#else

-#include <sys/io.h>

-#endif

#ifdef IN_MODULE

#include "xf86_ansi.h"

@@ -220,7 +215,7 @@

{

DB(if (DEBUG_IO_TRACE())

printk("inb %#04x \n", addr);)

- return inb(addr);

+ return 0;

}

/*****

@@ -235,7 +230,7 @@

{

DB(if (DEBUG_IO_TRACE())

printk("inw %#04x \n", addr);)

- return inw(addr);

+ return 0;


```

}

/*****
@@ -250,7 +245,7 @@
{
DB(if (DEBUG_IO_TRACE())
    printk("inl %#04x \n", addr);
- return inl(addr);
+ return 0;
}

/*****
@@ -264,7 +259,6 @@
{
DB(if (DEBUG_IO_TRACE())
    printk("outb %#02x -> %#04x \n", val, addr);)
- outb(val, addr);
return;
}

@@ -279,7 +273,6 @@
{
DB(if (DEBUG_IO_TRACE())
    printk("outw %#04x -> %#04x \n", val, addr);)
- outw(val, addr);
return;
}

@@ -295,7 +288,6 @@
DB(if (DEBUG_IO_TRACE())
    printk("outl %#08x -> %#04x \n", val, addr);)

- outl(val, addr);
return;
}

@@ -405,6 +397,6 @@

void X86EMU_setMemBase(void *base, size_t size)
{
- M.mem_base = (int) base;
+ M.mem_base = (unsigned long) base;
M.mem_size = size;
}
Index: include/x86emu/debug.h
=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/debug.h,v
retrieving revision 1.1

```

```

retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/debug.h 7
Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/debug.h 20 Mar 2008 15:25:27 -0000 1.4
@@ -40,8 +40,6 @@
#endif __X86EMU_DEBUG_H
#define __X86EMU_DEBUG_H

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

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

```

```

+   printk("%04x:%04x: JMP %s%04x:%04x\n", u , v, s, w, x);
#else
# define CALL_TRACE(u,v,w,x,s)
-#
  define RETURN_TRACE(n,u,v)
+# define RETURN_TRACE(u,v,w,x,s)
+# define JMP_TRACE(u,v,w,x,s)
#endif

#ifdef DEBUG
Index: include/x86emu/regs.h
=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/regs.h,v
retrieving revision 1.1
retrieving revision 1.4
diff -u -u -r1.1 -r1.4
--- include/x86emu/regs.h 7 Sep 2007 10:01:21 -0000 1.1
+++ include/x86emu/regs.h 15 Jan 2008 13:46:40 -0000 1.4
@@ -231,6 +231,9 @@
#define SYSMODE_PREFIX_REPNE  0x00000100
#define SYSMODE_PREFIX_DATA  0x00000200
#define SYSMODE_PREFIX_ADDR  0x00000400
+//phueper: for REP(E|NE) Instructions, we need to decide wether it should be using
+//the 32bit ECX register as or the 16bit CX register as count register
+#define SYSMODE_32BIT_REP    0x00000800
#define SYSMODE_INTR_PENDING  0x10000000
#define SYSMODE_EXTRN_INTR    0x20000000
#define SYSMODE_HALTED        0x40000000
@@ -250,7 +253,8 @@
    SYSMODE_SEGOVR_GS   |\
    SYSMODE_SEGOVR_SS   |\
    SYSMODE_PREFIX_DATA |\
-   SYSMODE_PREFIX_ADDR)
+   SYSMODE_PREFIX_ADDR  |\
+   SYSMODE_32BIT_REP)

#define INTR_SYNCH        0x1
#define INTR_ASYNCH       0x2
@@ -274,9 +278,9 @@
    */
    u32          mode;
    volatile int  intr; /* mask of pending interrupts */
- int           debug;
+ volatile int  debug;
#ifdef DEBUG
- int           check;
+ int           check;
    u16         saved_ip;

```

```
    u16          saved_cs;
    int          enc_pos;
Index: include/x86emu/x86emu.h
```

```
=====
RCS file: /cvs/osdf/cvs/host/other-licence/x86emu/include/x86emu/x86emu.h,v
```

```
retrieving revision 1.1
```

```
retrieving revision 1.3
```

```
diff -u -u -r1.1 -r1.3
```

```
--- include/x86emu/x86emu.h 7 Sep 2007 10:01:21
```

```
-0000 1.1
```

```
+++ include/x86emu/x86emu.h 19 Oct 2007 08:42:15 -0000 1.3
```

```
@@ -47,6 +47,7 @@
```

```
#include <console.h>
```

```
#define printk(x...) printk(BIOS_DEBUG, x)
```

```
#else
```

```
+#include <stdio.h>
```

```
#define printk printf
```

```
#endif
```

```
@@ -189,6 +181,8 @@
```

```
#define DEBUG_TRACECALL_REGS_F 0x004000
```

```
#define DEBUG_DECODE_NOPRINT_F 0x008000
```

```
#define DEBUG_SAVE_IP_CS_F 0x010000
```

```
+#define DEBUG_TRACEJMP_F 0x020000
```

```
+#define DEBUG_TRACEJMP_REGS_F 0x040000
```

```
#define DEBUG_SYS_F (DEBUG_SVC_F|DEBUG_FS_F|DEBUG_PROC_F)
```

```
void X86EMU_trace_regs(void);
```

```
@@ -200,5 +194,4 @@
```

```
#ifdef __cplusplus
```

```
} /* End of "C" linkage for C++ */
```

```
#endif
```

```
-
```

```
#endif /* __X86EMU_X86EMU_H */
```

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Version 2.1, February 1999

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```
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```

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```
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```

```
# *****/
```

```
#!/bin/bash
```

```
#set -x
```

```
#set -e
```

```
SVN=`which svn`
```

```
PATCH=`which patch`
```

```
DIFF_FILE=./x86emu_changes.diff
```

```
# check wether svn, patch, ... is available...
```

```
if [ ! -x $SVN ]; then
```

```
echo "subversion executable not found!"
```

```
exit -1
```

```
fi
```

```
if [ ! -x $PATCH ]; then
```

```
echo "patch executable not found!"
```

```
exit -1
```

```
fi
```

```
if [ ! -r $DIFF_FILE ]; then
```

```
echo "diff file $DIFF_FILE not found!"
```

```
exit -1
```

```
fi
```

```
# download the x86emu sources from LinuxBIOS subversion
```

```
#revision known to work...
```

```
REV=496
```

```
echo "Checking
out x86emu from coreboot-v3 repository revision $REV"
$SVN co svn://coreboot.org/repository/coreboot-v3/util/x86emu -r $REV
```

```
echo "Copying files..."
```

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

```
echo "Removing checkedout subversion director..."
```

```
rm -rf x86emu
```

```
echo "Patching files..."
```

```
$PATCH -p0 < x86emu_changes.diff
```

```
echo "done"
```

```
exit 0
```

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Version 3, 29 June 2007

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*
* @(#)mman.h 8.2 (Berkeley) 1/9/95
* $FreeBSD: src/sys/sys/mman.h,v 1.42 2008/03/28 04:29:27 ps Exp $
*/

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

#define TARGET_FREEBSD_MAP_FLAGMASK 0x1ff7

/* $NetBSD: mman.h,v 1.42 2008/11/18 22:13:49 ad Exp $ */

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*
*   @(#)mman.h    8.2 (Berkeley) 1/9/95
*/
#define TARGET_NETBSD_MAP_INHERIT    0x0080 /* region is retained after exec */
#define TARGET_NETBSD_MAP_TRYFIXED  0x0400 /* attempt
hint address, even within break */
#define TARGET_NETBSD_MAP_WIRED     0x0800 /* mlock() mapping when it is established */

#define TARGET_NETBSD_MAP_STACK     0x2000 /* allocated from memory, swap space (stack) */

#define TARGET_NETBSD_MAP_FLAGMASK  0x3ff7

/*   $OpenBSD: mman.h,v 1.18 2003/07/21 22:52:19 tedu Exp $ */
/*   $NetBSD: mman.h,v 1.11 1995/03/26 20:24:23 jtc Exp $ */

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*
* @(#)mman.h 8.1 (Berkeley) 6/2/93
*/

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

```
#define TARGET_OPENBSD_MAP_FLAGMASK 0x17f7
```

```
// XXX
```

```
#define TARGET_BSD_MAP_FLAGMASK 0x3ff7
```

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```
# Default configuration for sparc-bsd-user
```

```
/* $OpenBSD: errno.h,v 1.20 2007/09/03 14:37:52 millert Exp $ */
```

```
/* $NetBSD: errno.h,v 1.10 1996/01/20 01:33:53 jtc Exp $ */
```

```

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

```

```

#define TARGET_EPERM      1      /* Operation not permitted */
#define TARGET_ENOENT     2      /* No such file or directory */
#define TARGET_ESRCH     3      /* No such process */
#define TARGET_EINTR     4      /* Interrupted system call */
#define TARGET_EIO       5      /* Input/output error */
#define TARGET_ENXIO     6      /* Device not configured */
#define TARGET_E2BIG     7      /* Argument list too long */
#define TARGET_ENOEXEC   8      /* Exec format error */
#define TARGET_EBADF     9      /* Bad file descriptor */
#define TARGET_ECHILD   10     /* No child processes */

```

```

#define TARGET_EDEADLK      11      /* Resource deadlock avoided */
                                /* 11 was EAGAIN */

#define
TARGET_ENOMEM      12      /* Cannot allocate memory */
#define TARGET_EACCES      13      /* Permission denied */
#define TARGET_EFAULT      14      /* Bad address */
#define TARGET_ENOTBLK      15      /* Block device required */
#define TARGET_EBUSY      16      /* Device busy */
#define TARGET_EEXIST      17      /* File exists */
#define TARGET_EXDEV      18      /* Cross-device link */
#define TARGET_ENODEV      19      /* Operation not supported by device */
#define TARGET_ENOTDIR      20      /* Not a directory */
#define TARGET_EISDIR      21      /* Is a directory */
#define TARGET_EINVAL      22      /* Invalid argument */
#define TARGET_ENFILE      23      /* Too many open files in system */
#define TARGET_EMFILE      24      /* Too many open files */
#define TARGET_ENOTTY      25      /*
Inappropriate ioctl for device */
#define TARGET_ETXTBSY      26      /* Text file busy */
#define TARGET_EFBIG      27      /* File too large */
#define TARGET_ENOSPC      28      /* No space left on device */
#define TARGET_ESPIPE      29      /* Illegal seek */
#define TARGET_EROFS      30      /* Read-only file system */
#define TARGET_EMLINK      31      /* Too many links */
#define TARGET_EPIPE      32      /* Broken pipe */

/* math software */
#define TARGET_EDOM      33      /* Numerical argument out of domain */
#define TARGET_ERANGE      34      /* Result too large */

/* non-blocking and interrupt i/o */
#define TARGET_EAGAIN      35      /* Resource temporarily unavailable */
#define TARGET_EWOULDBLOCK      EAGAIN      /* Operation would block */
#define TARGET_EINPROGRESS      36      /* Operation now in progress */
#define TARGET_EALREADY
37      /* Operation already in progress */

/* ipc/network software -- argument errors */
#define TARGET_ENOTSOCK      38      /* Socket operation on non-socket */
#define TARGET_EDESTADDRREQ      39      /* Destination address required */
#define TARGET EMSGSIZE      40      /* Message too long */
#define TARGET_EPROTOTYPE      41      /* Protocol wrong type for socket */
#define TARGET_ENOPROTOOPT      42      /* Protocol not available */
#define TARGET_EPROTONOSUPPORT      43      /* Protocol not supported */
#define TARGET_ESOCKTNOSUPPORT      44      /* Socket type not supported */
#define TARGET_EOPNOTSUPP      45      /* Operation not supported */
#define TARGET_EPFNOSUPPORT      46      /* Protocol family not supported */
#define TARGET_EAFNOSUPPORT      47      /* Address family not supported by protocol family */

```

```

#define TARGET_EADDRINUSE 48 /* Address already in use */
#define
TARGET_EADDRNOTAVAIL 49 /* Can't assign requested address */

/* ipc/network software -- operational errors */
#define TARGET_ENETDOWN 50 /* Network is down */
#define TARGET_ENETUNREACH 51 /* Network is unreachable */
#define TARGET_ENETRESET 52 /* Network dropped connection on reset */
#define TARGET_ECONNABORTED 53 /* Software caused connection abort */
#define TARGET_ECONNRESET 54 /* Connection reset by peer */
#define TARGET_ENOBUFS 55 /* No buffer space available */
#define TARGET_EISCONN 56 /* Socket is already connected */
#define TARGET_ENOTCONN 57 /* Socket is not connected */
#define TARGET_ESHUTDOWN 58 /* Can't send after socket shutdown */
#define TARGET_ETOOMANYREFS 59 /* Too many references: can't splice */
#define TARGET_ETIMEDOUT 60 /* Operation timed
out */
#define TARGET_ECONNREFUSED 61 /* Connection refused */

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

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

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

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

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

#define TARGET_EFTYPE 79 /* Inappropriate file type or format */
#define TARGET_EAUTH 80 /* Authentication error */
#define TARGET_ENEEDAUTH 81 /* Need authenticator */

```

```

#define TARGET_EIPSEC      82      /* IPsec processing failure */
#define TARGET_ENOATTR    83      /* Attribute not found */
#define TARGET_EILSEQ     84      /* Illegal byte sequence */
#define TARGET_ENOMEDIUM 85      /* No medium found */
#define TARGET_EMEDIUMTYPE 86
    /* Wrong Medium Type */
#define TARGET_EOVERFLOW  87      /* Conversion overflow */
#define TARGET_ECANCELED  88      /* Operation canceled */
#define TARGET_EIDRM      89      /* Identifier removed */
#define TARGET_ENOMSG     90      /* No message of desired type */
#define TARGET_ELAST      90      /* Must be equal largest errno */

```

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```

The hypothetical commands

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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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```
LICENCE
=====
```

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Linus Torvalds

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Version 2, June 1991

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```
{ TARGET_FREEBSD_NR__acl_aclcheck_fd, "__acl_aclcheck_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_aclcheck_file, "__acl_aclcheck_file", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_aclcheck_link, "__acl_aclcheck_link", "%s(\"%s\", %d, %#x)", NULL, NULL
},
{ TARGET_FREEBSD_NR__acl_delete_fd,
  "__acl_delete_fd", "%s(%d, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_delete_file, "__acl_delete_file", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_delete_link, "__acl_delete_link", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_get_fd, "__acl_get_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_get_file, "__acl_get_file", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_get_link, "__acl_get_link", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_fd, "__acl_set_fd", "%s(%d, %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_file, "__acl_set_file", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__acl_set_link, "__acl_set_link", "%s(\"%s\", %d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR__semctl, "__semctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR__syscall, "__syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR__sysctl, "__sysctl", NULL, print_sysctl, NULL },
{ TARGET_FREEBSD_NR__umtx_op,
  "_umtx_op", "%s(%#x, %d, %d, %#x, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_accept, "accept", "%s(%d,%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_access, "access", "%s(\"%s\",%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_acct, "acct", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_adjtime, "adjtime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_bind, "bind", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_break, "break", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chdir, "chdir", "%s(\"%s\")", NULL, NULL },
```

```

{ TARGET_FREEBSD_NR_chflags, "chflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chmod, "chmod", "%s(\"%s\",%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_chown, "chown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_chroot, "chroot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_getres, "clock_getres", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_gettime, "clock_gettime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_clock_settime, "clock_settime", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_close, "close", "%s(%d)", NULL,
NULL },
{ TARGET_FREEBSD_NR_connect, "connect", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_dup, "dup", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_dup2, "dup2", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_eaccess, "eaccess", "%s(\"%s\",%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_execve, "execve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_exit, "exit", "%s(%d)\n", NULL, NULL },
{ TARGET_FREEBSD_NR_extattrctl, "extattrctl", "%s(\"%s\", %d, \"%s\", %d, \"%s\"", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_fd, "extattr_delete_fd", "%s(%d, %d, \"%s\"", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_file, "extattr_delete_file", "%s(\"%s\", %d, \"%s\"", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_delete_link, "extattr_delete_link", "%s(\"%s\", %d, \"%s\"", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_fd, "extattr_get_fd", "%s(%d, %d, \"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_get_file, "extattr_get_file", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL, NULL
},
{ TARGET_FREEBSD_NR_extattr_get_file,
"extattr_get_link", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_fd, "extattr_list_fd", "%s(%d, %d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_file, "extattr_list_file", "%s(\"%s\", %d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_list_link, "extattr_list_link", "%s(\"%s\", %d, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_fd, "extattr_set_fd", "%s(%d, %d, \"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_extattr_set_file, "extattr_set_file", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL, NULL
},
{ TARGET_FREEBSD_NR_extattr_set_link, "extattr_set_link", "%s(\"%s\", %d, \"%s\", %#x, %d)", NULL,
NULL },
{ TARGET_FREEBSD_NR_fchdir, "fchdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchflags, "fchflags", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fchmod, "fchmod", "%s(%d,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_fchown, "fchown", "%s(%d,%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_fcntl, "fcntl", NULL,
NULL, NULL },
{ TARGET_FREEBSD_NR_fexecve, "fexecve", NULL, print_execve, NULL },
{ TARGET_FREEBSD_NR_fhopen, "fhopen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstat, "fhstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fhstatfs, "fhstatfs", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_flock, "flock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fork, "fork", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_fpathconf, "fpathconf", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_fstat, "fstat", "%s(%d,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_fstatat, "fstatat", "%s(%d,\"%s\", %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_fstatfs, "fstatfs", "%s(%d,%#x)", NULL, NULL },

```

```

{ TARGET_FREEBSD_NR_fsync, "fsync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ftruncate, "ftruncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_futimes, "futimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getcontext, "getcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_getdirentries, "getdirentries", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_freebsd6_mmap,
"freebsd6_mmap", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getegid, "getegid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_geteuid, "geteuid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getfh, "getfh", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getfsstat, "getfsstat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getgid, "getgid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getgroups, "getgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getitimer, "getitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getlogin, "getlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpeername, "getpeername", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgid, "getpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getpgrp, "getpgrp", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getpid, "getpid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getppid, "getppid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_getpriority, "getpriority", "%s(%#x,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_getresgid, "getresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getresuid,
"getresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrlimit, "getrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getrusage, "getrusage", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsid, "getsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockname, "getsockname", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getsockopt, "getsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_gettimeofday, "gettimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_getuid, "getuid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_ioctl, "ioctl", NULL, print_ioctl, NULL },
{ TARGET_FREEBSD_NR_issetugid, "issetugid", "%s()", NULL, NULL },
{ TARGET_FREEBSD_NR_kevent, "kevent", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kill, "kill", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_kqueue, "kqueue", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ktrace, "ktrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lchown, "lchown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_link, "link", "%s(\"%s\", \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_listen,
"listen", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lpathconf, "lpathconf", "%s(\"%s\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_lseek, "lseek", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_lstat, "lstat", "%s(\"%s\", %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_madvise, "madvise", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mincore, "mincore", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_minherit, "minherit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mkdir, "mkdir", "%s(\"%s\", %#o)", NULL, NULL },

```



```

{ TARGET_FREEBSD_NR_mkfifo, "mkfifo", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mknod, "mknod", "%s(\\\"%s\\\",%#o,%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_mlock, "mlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mlockall, "mlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mmap, "mmap", NULL, NULL, print_syscall_ret_addr },
{ TARGET_FREEBSD_NR_mount, "mount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_mprotect, "mprotect", "%s(%#x,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_msgctl, "msgctl", NULL, NULL, NULL
},
{ TARGET_FREEBSD_NR_msgget, "msgget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgrcv, "msgrcv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msgsnd, "msgsnd", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_msync, "msync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlock, "munlock", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munlockall, "munlockall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_munmap, "munmap", "%s(%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_nanosleep, "nanosleep", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_nfssvc, "nfssvc", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_open, "open", "%s(\\\"%s\\\",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_openat, "openat", "%s(%d,\\\"%s\\\",%#x,%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_pathconf, "pathconf", "%s(\\\"%s\\\", %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_pipe, "pipe", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_poll, "poll", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pread, "pread", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_preadv, "preadv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_profil,
"profil", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_ptrace, "ptrace", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwrite, "pwrite", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_pwritev, "pwritev", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_quotactl, "quotactl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_read, "read", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readlink, "readlink", "%s(\\\"%s\\\",%p,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_readv, "readv", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_reboot, "reboot", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvfrom, "recvfrom", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_recvmsg, "recvmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rename, "rename", "%s(\\\"%s\\\",\\\"%s\\\")", NULL, NULL },
{ TARGET_FREEBSD_NR_revoke, "revoke", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rfork, "rfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rmdir, "rmdir", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_rtprio_thread, "rtprio_thread", "%s(%d, %d, %p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sbrk,
"sbrk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sched_yield, "sched_yield", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_select, "select", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semget, "semget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_semop, "semop", NULL, NULL, NULL },

```

```

{ TARGET_FREEBSD_NR_sendmsg, "sendmsg", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sendto, "sendto", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setcontext, "setcontext", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_setegid, "setegid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_seteuid, "seteuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgid, "setgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setgroups, "setgroups", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setitimer, "setitimer", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setlogin, "setlogin", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpgid, "setpgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setpriority, "setpriority", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setregid,
"setregid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresgid, "setresgid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setresuid, "setresuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setreuid, "setreuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setrlimit, "setrlimit", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsid, "setsid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setsockopt, "setsockopt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_settimeofday, "settimeofday", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_setuid, "setuid", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmat, "shmat", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmctl, "shmctl", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmdt, "shmdt", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shmget, "shmget", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_shutdown, "shutdown", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaction, "sigaction", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigaltstack, "sigaltstack", "%s(%p,%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_sigpending,
"sigpending", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigprocmask, "sigprocmask", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigreturn, "sigreturn", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sigsuspend, "sigsuspend", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_socket, "socket", "%s(%d,%d,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_socketpair, "socketpair", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sstk, "sstk", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_stat, "stat", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_statfs, "statfs", "%s(\"%s\",%p)", NULL, NULL },
{ TARGET_FREEBSD_NR_symlink, "symlink", "%s(\"%s\", \"%s\")", NULL, NULL },
{ TARGET_FREEBSD_NR_sync, "sync", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_sysarch, "sysarch", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_syscall, "syscall", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_thr_create, "thr_create", "%s(%#x, %#x, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_exit, "thr_exit", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill, "thr_kill", "%s(%d,
%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_kill2, "thr_kill2", "%s(%d, %d, %d)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_new, "thr_new", "%s(%#x, %d)", NULL, NULL },

```

```

{ TARGET_FREEBSD_NR_thr_self, "thr_self", "%s(%#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_set_name, "thr_set_name", "%s(%d, \"%s\\\")", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_suspend, "thr_suspend", "%s(%d, %#x)", NULL, NULL },
{ TARGET_FREEBSD_NR_thr_wake, "thr_wake", "%s(%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_truncate, "truncate", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_umask, "umask", "%s(%#o)", NULL, NULL },
{ TARGET_FREEBSD_NR_unlink, "unlink", "%s(\\\"%s\\\")", NULL, NULL },
{ TARGET_FREEBSD_NR_unmount, "unmount", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_utimes, "utimes", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_vfork, "vfork", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_wait4, "wait4", NULL, NULL, NULL },
{ TARGET_FREEBSD_NR_write, "write", "%s(%d,%#x,%d)", NULL, NULL },
{ TARGET_FREEBSD_NR_writev, "writev", "%s(%d,%p,%#x)",
NULL, NULL },

```

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```
# Default configuration for i386-bsd-user
# *****
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# * This program and the accompanying materials
# * are made available under the terms of the BSD License
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# * http://www.opensource.org/licenses/bsd-license.php
# *
# * Contributors:
# *   IBM Corporation - initial implementation
# *****/
```

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

```
SUBDIRS=
ifeq ($(SNK_BIOSEMU_APPS), 1)
```

```

SUBDIRS += x86emu
endif
CLEANSUBDIRS = $(SUBDIRS)

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

# Common targets for all subdirectories:
clean distclean depend:
for subdir in $(CLEANSUBDIRS) ; do $(MAKE) -C $$subdir $$@ ; done
# Default configuration for sparc64-bsd-user
# *****
# * Copyright (c) 2004, 2008 IBM Corporation
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# * which accompanies this distribution, and is available at
# * http://www.opensource.org/licenses/bsd-license.php
# *
# * Contributors:
# *   IBM Corporation - initial implementation
# *****/

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

ROOTDIR ?= ../..

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

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

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

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

%.o: %.c

```

```
$(CC) $(CFLAGS) -c -o $@ $^
```

```
all: libx86emu.a
```

```
libx86emu.a: $(X86EMU_OBJS)
```

```
$(AR) -rc $@ $^
```

```
$(RANLIB) $@
```

```
clean:
```

```
$(RM) *.o *.i *.s libx86emu.a
```

```
distclean: clean
```

```
/* $OpenBSD: syscall.h,v 1.101 2008/03/16 19:43:41 otto Exp $ */
```

```
/*
```

```
* System call numbers.
```

```
*
```

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

```
*/
```

```
#define TARGET_OPENBSD_NR_syscall 0
#define TARGET_OPENBSD_NR_exit 1
#define TARGET_OPENBSD_NR_fork 2
#define TARGET_OPENBSD_NR_read 3
#define TARGET_OPENBSD_NR_write 4
#define TARGET_OPENBSD_NR_open 5
#define TARGET_OPENBSD_NR_close 6
#define TARGET_OPENBSD_NR_wait4 7
#define TARGET_OPENBSD_NR_link 9
#define TARGET_OPENBSD_NR_unlink 10
#define TARGET_OPENBSD_NR_chdir 12
#define TARGET_OPENBSD_NR_fchdir 13
#define TARGET_OPENBSD_NR_mknod 14
#define TARGET_OPENBSD_NR_chmod 15
#define TARGET_OPENBSD_NR_chown 16
#define TARGET_OPENBSD_NR_break 17
#define TARGET_OPENBSD_NR_getpid 20
#define TARGET_OPENBSD_NR_mount 21
#define TARGET_OPENBSD_NR_unmount 22
#define TARGET_OPENBSD_NR_setuid
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#define TARGET_OPENBSD_NR_getuid 24
#define TARGET_OPENBSD_NR_geteuid 25
#define TARGET_OPENBSD_NR_ptrace 26
#define TARGET_OPENBSD_NR_recvmsg 27
#define TARGET_OPENBSD_NR_sendmsg 28
#define TARGET_OPENBSD_NR_recvfrom 29
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#define TARGET_OPENBSD_NR_getpeername 31
#define TARGET_OPENBSD_NR_getsockname 32
#define TARGET_OPENBSD_NR_access 33
#define TARGET_OPENBSD_NR_chflags 34
#define TARGET_OPENBSD_NR_fchflags 35
#define TARGET_OPENBSD_NR_sync 36
#define TARGET_OPENBSD_NR_kill 37
#define TARGET_OPENBSD_NR_getppid 39
#define TARGET_OPENBSD_NR_dup 41
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#define TARGET_OPENBSD_NR_chroot 61
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#define TARGET_OPENBSD_NR_sbrk 69
#define TARGET_OPENBSD_NR_sstk 70
#define TARGET_OPENBSD_NR_munmap 73
#define TARGET_OPENBSD_NR_mprotect 74
#define TARGET_OPENBSD_NR_madvise 75
#define TARGET_OPENBSD_NR_mincore 78
#define TARGET_OPENBSD_NR_getgroups 79
#define TARGET_OPENBSD_NR_setgroups 80
#define TARGET_OPENBSD_NR_getpgrp 81
#define TARGET_OPENBSD_NR_setpgid 82
#define TARGET_OPENBSD_NR_setitimer 83
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#define TARGET_OPENBSD_NR_dup2 90
#define TARGET_OPENBSD_NR_fcntl 92
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#define TARGET_OPENBSD_NR_setpriority 96
#define TARGET_OPENBSD_NR_socket 97
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#define TARGET_OPENBSD_NR_sigreturn 103
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#define TARGET_OPENBSD_NR_setsockopt 105
#define TARGET_OPENBSD_NR_listen 106
#define TARGET_OPENBSD_NR_sigsuspend 111
#define TARGET_OPENBSD_NR_gettimeofday 116
#define TARGET_OPENBSD_NR_getrusage 117
#define TARGET_OPENBSD_NR_getsockopt 118
#define TARGET_OPENBSD_NR_readv 120
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#define TARGET_OPENBSD_NR_settimeofday 122
#define TARGET_OPENBSD_NR_fchown 123
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#define TARGET_OPENBSD_NR_setreuid 126
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    128
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#define TARGET_OPENBSD_NR_socketpair 135
#define TARGET_OPENBSD_NR_mkdir 136
#define TARGET_OPENBSD_NR_rmdir 137
#define TARGET_OPENBSD_NR_utimes 138
#define TARGET_OPENBSD_NR_adjtime 140
#define TARGET_OPENBSD_NR_setsid 147
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#define TARGET_OPENBSD_NR_getfh 161
#define TARGET_OPENBSD_NR_sysarch 165
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#define TARGET_OPENBSD_NR_pwrite 174
#define TARGET_OPENBSD_NR_setgid 181
#define TARGET_OPENBSD_NR_setegid 182
#define TARGET_OPENBSD_NR seteuid 183
#define TARGET_OPENBSD_NR_lfs_bmapv 184
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#define TARGET_OPENBSD_NR_lfs_segclean 186
#define TARGET_OPENBSD_NR_lfs_segwait
    187
#define TARGET_OPENBSD_NR_pathconf 191
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#define TARGET_OPENBSD_NR_munlock 204
#define TARGET_OPENBSD_NR_futimes 206
#define TARGET_OPENBSD_NR_getpgid 207
#define TARGET_OPENBSD_NR_xfspioctl 208
#define TARGET_OPENBSD_NR_semget 221
#define TARGET_OPENBSD_NR_msgget 225
#define TARGET_OPENBSD_NR_msgsnd 226
#define TARGET_OPENBSD_NR_msgrcv 227
#define TARGET_OPENBSD_NR_shmat 228
#define TARGET_OPENBSD_NR_shmdt 230
#define TARGET_OPENBSD_NR_clock_gettime
    232
#define TARGET_OPENBSD_NR_clock_settime 233
#define TARGET_OPENBSD_NR_clock_getres 234
#define TARGET_OPENBSD_NR_nanosleep 240
#define TARGET_OPENBSD_NR_minherit 250
#define TARGET_OPENBSD_NR_rfork 251
#define TARGET_OPENBSD_NR_poll 252
#define TARGET_OPENBSD_NR_issetugid 253
#define TARGET_OPENBSD_NR_lchown 254
#define TARGET_OPENBSD_NR_getsid 255
#define TARGET_OPENBSD_NR_msync 256
#define TARGET_OPENBSD_NR_pipe 263
#define TARGET_OPENBSD_NR_fhopen 264
#define TARGET_OPENBSD_NR_preadv 267
#define TARGET_OPENBSD_NR_pwritev 268
#define TARGET_OPENBSD_NR_kqueue 269
#define TARGET_OPENBSD_NR_kevent 270
#define TARGET_OPENBSD_NR_mlockall 271
#define TARGET_OPENBSD_NR_munlockall 272
#define TARGET_OPENBSD_NR_getpeereid 273
#define TARGET_OPENBSD_NR_getresuid 281
#define TARGET_OPENBSD_NR_setresuid 282
#define TARGET_OPENBSD_NR_getresgid 283
#define TARGET_OPENBSD_NR_setresgid
    284
#define TARGET_OPENBSD_NR_mquery 286
#define TARGET_OPENBSD_NR_closefrom 287

```



```
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#define TARGET_OPENBSD_NR_shmget 289
#define TARGET_OPENBSD_NR_semop 290
#define TARGET_OPENBSD_NR_stat 291
#define TARGET_OPENBSD_NR_fstat 292
#define TARGET_OPENBSD_NR_lstat 293
#define TARGET_OPENBSD_NR_fhstat 294
#define TARGET_OPENBSD_NR___semctl 295
#define TARGET_OPENBSD_NR_shmctl 296
#define TARGET_OPENBSD_NR_msgctl 297
#define TARGET_OPENBSD_NR_sched_yield 298
#define TARGET_OPENBSD_NR_getthrid 299
#define TARGET_OPENBSD_NR_thrsleep 300
#define TARGET_OPENBSD_NR_thrwakeup 301
#define TARGET_OPENBSD_NR_threxit 302
#define TARGET_OPENBSD_NR_thrsigdivert 303
#define TARGET_OPENBSD_NR___getcwd 304
#define TARGET_OPENBSD_NR_adjfreq 305
#define TARGET_OPENBSD_NR_getfsstat 306
#define TARGET_OPENBSD_NR_statfs 307
#define TARGET_OPENBSD_NR_fstatfs 308
#define TARGET_OPENBSD_NR_fhstatfs
309
```

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

```
/* $OpenBSD: trap.h,v 1.4 2008/07/04 22:04:37 kettenis Exp $ */
```

```
/* $NetBSD: trap.h,v 1.4 1999/06/07 05:28:04 eeh Exp $ */
```

```
/*
```

```
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```

```
*
```

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*

*/

```
#define TARGET_OPENBSD_SYSCALL_G2RFLAG 0x400 /* on success, return to %g2 rather than npc */
```

```
#define TARGET_OPENBSD_SYSCALL_G7RFLAG 0x800 /* use %g7 as above (deprecated) */
```

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Version 2, June 1991

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Default configuration for x86_64-bsd-user

1.27 open-ldap 2.4.46

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1.28 gawk 4.2.1

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

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

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

In addition,

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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.

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to use the modified definitions.)

- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

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END OF TERMS AND CONDITIONS

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

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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Version 3, 29 June 2007

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The

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section 10

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- b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a

written offer, valid for at least three years

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

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

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

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1.30 libxml2 2.9.8

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1.32 pcre 8.42

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```
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1.34 apache-http-server 2.4.34

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X
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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
-->
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<link href="/style/css/manual.css" rel="stylesheet" media="all" type="text/css" title="Main stylesheet" />
<link href="/style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No Sidebar - Default font size" />
<link href="/style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet" type="text/css" href="/style/css/prettify.css"
```



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</script>

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href="/sitemap.html">Sitemap</a></p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"><a href="/"></a></div>
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href="http://httpd.apache.org/docs/">Documentation</a> > <a href="/">Version 2.4</a></div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
<div class="toplang">
<p><span>Available Languages:
</span><a href="/en/license.html" title="English">&nbsp;en&nbsp;</a></p>
</div>

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</div>

</div>

```

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documentation or server, and may be removed again by our moderators if they are either implemented or considered
invalid/off-topic. Questions on how to manage the Apache HTTP Server should be directed at either our IRC
channel, #httpd, on Freenode, or sent to our <a href="http://httpd.apache.org/lists.html">mailing lists</a>.</div>
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<p class="apache">Copyright 2018 The Apache Software Foundation.<br />Licensed under the <a
href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
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Content-type: text/html; charset=ISO-8859-1
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```

/*****
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* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

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Michael Campanella (campanella@stevms.enet.dec.com)

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1.35 zlib 1.2.11

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1.36 glibc 2.28

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

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@subheading END OF TERMS AND CONDITIONS

@page

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```
/* _setjmp is implemented in setjmp.S */
```

```
/* setjmp is implemented in setjmp.S */
```

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Any executables

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

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

Copyright (C) <year> <name of author>

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

or

(at your option) any later version.

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

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

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

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

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

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

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

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

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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

```
LGPL
LGPL
LGPL
```

1.38 libwww 5.4.2

1.38.1 Available under license :

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Version 2, June 1991

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675 Mass Ave, Cambridge, MA 02139, USA

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

Preamble

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

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

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

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

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

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

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

version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's 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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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

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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.

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

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

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

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

However, linking a "work that uses the Library" with the Library

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

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

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

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

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

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

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

a modified

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

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

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

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

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

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

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

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

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining

where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

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

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

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You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

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

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

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

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

That's all there is to it!

1.39 gzip 1.9

1.39.1 Available under license :

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Version 3, 29 June 2007

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For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps:

(1)

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

ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

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

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

TERMS AND CONDITIONS

0. Definitions.

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

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

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

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

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1. Source Code.

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

form of a work.

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

The

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

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

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

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All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered

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

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

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

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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	
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Mersenne Twister

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

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

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

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

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

Sockets

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

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Floating point exception control

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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

<http://www.ietf.org/rfc/rfc1321.txt>

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of

Appendix A. It does not include

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

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5);

added conditionalization for C++ compilation from Martin

Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

Asynchronous socket services

The :mod:`asynchcat` and :mod:`asyncore` modules contain the following notice::

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Author: Zooko O'Whielacronx

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

XML Remote Procedure Calls

The `:mod:`xmlrpclib`` module contains the following notice::

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Select kqueue

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strtod
and dtoa

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

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=====

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same

year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
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1.6.1	1.6	2001	CNRI	yes (2)
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2.0.1	2.0+1.6.1	2001	PSF	yes
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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 <https://www.cwi.nl/>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author,

although it includes many contributions from others.

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

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

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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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Mersenne Twister

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

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

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

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Sockets

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

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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

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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

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

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

Asynchronous socket services

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management

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

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

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Select kqueue

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strtod
and dtoa

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builds/unix/pkg.m4

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#

src/base/fthash.c

src/base/md5.c

src/base/md5.h

#

src/bdf/bdf.c

src/bdf/bdf.h

src/bdf/bdfdrivr.c

src/bdf/bdfdrivr.h

src/bdf/bdferror.h

src/bdf/bdflib.c

src/bdf/module.mk

src/bdf/README

```
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftandom/ftandom.c
#
#
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* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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-->

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

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

xmlns:xi="http://www.w3.org/2001/XInclude"

xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">

<xsl:param name="text"/>

<xsl:value-of select="\$isc.copyright.leader"/>

<xsl:value-of select="normalize-space(substring-before(\$text, '
'))"/>

<xsl:text>
</xsl:text>

<xsl:variable name="rest" select="substring-after(\$text, '
')"/>

<xsl:if test="translate(\$rest, '	 ', '')">

<xsl:call-template name="isc.copyright.format">

<xsl:with-param name="text" select="\$rest"/>

</xsl:call-template>

</xsl:if>

</xsl:template>

<xsl:variable name="isc.copyright.text">

<xsl:text>

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</xsl:text>

</xsl:variable>

<xsl:variable name="isc.copyright">

```

<xsl:call-template name="isc.copyright.format">
  <xsl:with-param name="text">
    <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
<xsl:text>Copyright (C) </xsl:text>
<xsl:call-template name="copyright.years">
  <xsl:with-param name="years" select="year"/>
</xsl:call-template>
<xsl:text> </xsl:text>
<xsl:value-of select="holder"/>
  <xsl:value-of select="$isc.copyright.breakline"/>
<xsl:text>#10;</xsl:text>
</xsl:for-each>
<xsl:value-of
select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

```

<!--

- Local variables:
- mode: sgml
- End:

-->

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1.45 zlib 1.2.8

1.45.1 Available under license :

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

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1.46 cpio 2.12

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1.51 libmnl 1.0.3-7.el7

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Other developers who have contributed code are:

* Brian Langel

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  <link rel="prev" title="MIT Kerberos features" href="mitK5features.html" />
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          accesskey="N">next</a> |
        <a href="genindex.html"
title="General Index"
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```

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GSSAPI mechglue in GSSAPI-SPNEGO in

<code class="docutils literal">src/lib/gssapi</code>, including the following files:</p>

<div class="highlight-default"><div class="highlight"><pre>libgssapigenericgssapi_err_genericet</pre>

libgssapimechglueg_accept_sec_contextc</pre>

libgssapimechglueg_acquire_credc</pre>

lib

gssapimechglue

g_canon_namec</pre>

libgssapimechglueg_compare_namec</pre>

libgssapimechglueg_context_timec</pre>


```
class="n">gssapi</span><span class="o">/</span><span class="n">spnego</span><span
class="o">/</span><span class="n">spnego_mech</span><span class="o">.</span><span class="n">c</span>
</pre></div>
```

<p>and the initial implementation of incremental propagation, including the following new or changed files:</p>

```
<div class="highlight-default"><div class="highlight"><pre><span></span><span class="n">include</span><span
class="o">/</span><span class="n">iprop_hdr</span><span class="o">.</span><span class="n">h</span>
<span class="n">kadmin</span><span class="o">/</span><span class="n">server</span><span
class="o">/</span><span class="n">ipropd_svc</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span
class="n">iprop</span><span class="o">.</span><span class="n">x</span>
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span
class="n">kdb_convert</span><span
class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span
class="n">kdb_log</span><span class="o">.</span><span class="n">c</span>
<span class="n">lib</span><span class="o">/</span><span class="n">kdb</span><span class="o">/</span><span
class="n">kdb_log</span><span class="o">.</span><span class="n">h</span>
<span class="n">lib</span><span class="o">/</span><span class="n">krb5</span><span
class="o">/</span><span class="n">error_tables</span><span class="o">/</span><span
class="n">kdb5_err</span><span class="o">.</span><span class="n">et</span>
<span class="n">kprop</span><span class="o">/</span><span class="n">kpropd_rpc</span><span
class="o">.</span><span class="n">c</span>
<span class="n">kprop</span><span class="o">/</span><span class="n">kproplog</span><span
class="o">.</span><span class="n">c</span>
</pre></div>
```

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in ``src/lib/gssapi``, including the following files:

.. parsed-literal::

- lib/gssapi/generic/gssapi_err_generic.et
- lib/gssapi/mechglue/g_accept_sec_context.c
- lib/gssapi/mechglue/g_acquire_cred.c
- lib/gssapi/mechglue/g_canon_name.c
- lib/gssapi/mechglue/g_compare_name.c
- lib/gssapi/mechglue/g_context_time.c
- lib/gssapi/mechglue/g_delete_sec_context.c
- lib/gssapi/mechglue/g_dsp_name.c
- lib/gssapi/mechglue/g_dsp_status.c
- lib/gssapi/mechglue/g_dup_name.c
- lib/gssapi/mechglue/g_exp_sec_context.c
- lib/gssapi/mechglue/g_export_name.c
- lib/gssapi/mechglue/g_glue.c
- lib/gssapi/mechglue/g_imp_name.c
- lib/gssapi/mechglue/g_imp_sec_context.c
- lib/gssapi/mechglue/g_init_sec_context.c
- lib/gssapi/mechglue/g_initialize.c
- lib/gssapi/mechglue/g_inquire_context.c
- lib/gssapi/mechglue/g_inquire_cred.c
- lib/gssapi/mechglue/g_inquire_names.c
- lib/gssapi/mechglue/g_process_context.c
- lib/gssapi/mechglue/g_rel_buffer.c
- lib/gssapi/mechglue/g_rel_cred.c
- lib/gssapi/mechglue/g_rel_name.c
- lib/gssapi/mechglue/g_rel_oid_set.c
- lib/gssapi/mechglue/g_seal.c
- lib/gssapi/mechglue/g_sign.c
- lib/gssapi/mechglue/g_store_cred.c
- lib/gssapi/mechglue/g_unseal.c
- lib/gssapi/mechglue/g_userok.c
- lib/gssapi/mechglue/g_utils.c
- lib/gssapi/mechglue/g_verify.c

lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

.. parsed-literal::

include/iprof_hdr.h
kadmin/server/iprofd_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kprofd_rpc.c
kprop/kproplog.c

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```
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */  
/*
```

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*/

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
```

```
<title>Copyright &#8212; MIT Kerberos Documentation</title>
```

```
<link rel="stylesheet" href="_static/agogo.css" type="text/css" />
```

```
<link rel="stylesheet" href="_static/pygments.css" type="text/css" />
```

```
<link rel="stylesheet" href="_static/kerb.css" type="text/css" />
```

```
<script type="text/javascript">
```

```
var DOCUMENTATION_OPTIONS = {
```

```
    URL_ROOT:    '.',
```

```
    VERSION:    '1.17',
```

```
    COLLAPSE_INDEX: false,
```

```
    FILE_SUFFIX: '.html',
```

```
    HAS_SOURCE: true,
```

```
    SOURCELINK_SUFFIX: '.txt'
```

```
};
```

```
</script>
```

```
<script type="text/javascript" src="_static/jquery.js"></script>
```

```
<script type="text/javascript" src="_static/underscore.js"></script>
```

```
<script type="text/javascript" src="_static/doctools.js"></script>
```

```
<link rel="author" title="About these documents" href="about.html" />
```

```
<link rel="index" title="Index" href="genindex.html" />
```

```
<link rel="search" title="Search" href="search.html" />
```

```
<link rel="copyright" title="Copyright" href="#" />
```

```
<link rel="next" title="How to build this documentation from the source" href="build_this.html" />
```

```
<link rel="prev" title="MIT Kerberos License information" href="mitK5license.html" />
```

```
</head>
```

```
<body>
```

```
<div class="header-wrapper">
```

```
<div class="header">
```

```
<h1><a href="index.html">MIT Kerberos Documentation</a></h1>
```

```
<div class="rel">
```

```
<a href="index.html" title="Full Table of Contents"
```

```
    accesskey="C">Contents</a> |
```

```
<a href="mitK5license.html" title="MIT Kerberos License information"
```

```
    accesskey="P">previous</a> |
```

```
<a href="build_this.html" title="How to build this documentation from the
```

```
source"
```

```
    accesskey="N">next</a> |
```

```
<a href="genindex.html" title="General Index"
  accesskey="I">index</a> |
<a href="search.html" title="Enter search criteria"
  accesskey="S">Search</a> |
<a href="mailto:krb5-bugs@mit.edu?subject=Documentation__Copyright">feedback</a>
</div>
</div>
</div>
```

```
<div class="content-wrapper">
<div class="content">
  <div class="document">
```

```
  <div class="documentwrapper">
    <div class="bodywrapper">
      <div class="body" role="main">
```

```
  <div class="section" id="copyright">
<h1>Copyright<a class="headerlink" href="#copyright" title="Permalink to this headline"></a></h1>
<p>Copyright 1985-2019 by the Massachusetts Institute of
Technology and its contributors. All rights reserved.</p>
<p>See <a class="reference internal" href="mitK5license.html#mitk5license"><span class="std std-ref">MIT
Kerberos License information</span></a> for
additional copyright and license
information.</p>
</div>
```

```
  </div>
</div>
</div>
</div>
  <div class="sidebar">
<h2>On this page</h2>
<ul>
<li><a class="reference internal" href="#">Copyright</a></li>
</ul>
```

```
  <br/>
<h2>Table of contents</h2>
<ul>
<li class="toctree-l1"><a class="reference internal" href="user/index.html">For users</a></li>
<li class="toctree-l1"><a class="reference internal" href="admin/index.html">For administrators</a></li>
<li class="toctree-l1"><a class="reference internal" href="appdev/index.html">For application developers</a></li>
<li class="toctree-l1"><a class="reference internal" href="plugindev/index.html">For plugin module
developers</a></li>
<li class="toctree-l1"><a class="reference internal" href="build/index.html">Building Kerberos V5</a></li>
<li class="toctree-l1"><a class="reference internal" href="basic/index.html">Kerberos V5 concepts</a></li>
```

```
<li class="toctree-l1"><a class="reference internal"
href="formats/index.html">Protocols and file formats</a></li>
<li class="toctree-l1"><a class="reference internal" href="mitK5features.html">MIT Kerberos features</a></li>
<li class="toctree-l1"><a class="reference internal" href="build_this.html">How to build this documentation from
the source</a></li>
<li class="toctree-l1"><a class="reference internal" href="about.html">Contributing to the MIT Kerberos
Documentation</a></li>
<li class="toctree-l1"><a class="reference internal" href="resources.html">Resources</a></li>
</ul>
```

```
<br/>
```

```
<h4><a href="index.html">Full Table of Contents</a></h4>
```

```
<h4>Search</h4>
```

```
<form class="search" action="search.html" method="get">
```

```
<input type="text" name="q" size="18" />
```

```
<input type="submit" value="Go" />
```

```
<input type="hidden" name="check_keywords" value="yes" />
```

```
<input type="hidden" name="area" value="default" />
```

```
</form>
```

```
</div>
```

```
<div class="clearer"></div>
```

```
</div>
```

```
</div>
```

```
<div class="footer-wrapper">
```

```
<div class="footer" >
```

```
<div class="right" ><i>Release: 1.17</i><br />
```

```
&copy; <a href="#">Copyright</a> 1985-2019, MIT.
```

```
</div>
```

```
<div class="left">
```

```
<a href="index.html" title="Full Table of Contents"
```

```
>Contents</a> |
```

```
<a href="mitK5license.html" title="MIT Kerberos License information"
```

```
>previous</a> |
```

```
<a href="build_this.html" title="How to build this documentation from the source"
```

```
>next</a> |
```

```
<a href="genindex.html" title="General Index"
```

```
>index</a> |
```

```
<a href="search.html" title="Enter search criteria"
```

```
>Search</a> |
```

```
<a href="mailto:krb5-bugs@mit.edu?subject=Documentation__Copyright">feedback</a>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c

lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
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lib/gssapi/mechglue/g_sign.c
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lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

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

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import os
import sys
import re

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

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

# Check a comment for boilerplate violations. Return true if the comment
# is a license statement.
def check_comment(comment, fname, ln, code_seen, nonlicense_seen):
    text_seen = False
    is_license = False
    for line in comment:
        if not is_license and indicates_license(line):
            is_license = True
            if text_seen:
                warn(fname, ln, 'License begins after first
line of comment')
            elif code_seen:
                warn(fname, ln, 'License after code')
            elif nonlicense_seen:
                warn(fname, ln, 'License after non-license comments')
            break
        # DB2 licenses start with '/*-' and we don't want to change them.
        if line != " and line != '-':
            text_seen = True
    return is_license

def check_file(lines, fname):
    # Skip emacs mode line if present.
    ln = 0
    if '-*- mode: c;' in lines[ln]:
        ln += 1

    # Check filename comment if present.
    m = re.match(r'^* ([^ ]*)( - .*)? \*/', lines[ln])
    if m:
        if m.group(1) != fname:

```

```

warn(fname, ln, 'Wrong filename in comment')
ln += 1

# Scan for license statements.
in_comment = False
code_seen = False
nonlicense_seen = False
for line in lines[ln:]:
    # Strip out whitespace and comments contained within a line.
    if not in_comment:
        line = re.sub(r'\s.*?\s*',
", line)
        line = line.strip()

    if not in_comment and '/' in line:
        (line, sep, comment_part) = line.partition('/')
        comment = [comment_part.strip()]
        comment_starts_at = ln
        in_comment = True
    elif in_comment and '/' not in line:
        comment.append(line.lstrip('*').rstrip())
    elif in_comment:
        (comment_part, sep, line) = line.partition('/')
        comment.append(comment_part.strip())
        is_license = check_comment(comment, fname, comment_starts_at,
                                code_seen, nonlicense_seen)
        nonlicense_seen = nonlicense_seen or not is_license
        in_comment = False
    elif line.strip() != "":
        code_seen = True

ln += 1

for fname in sys.argv[1:]:
    if fname.startswith('./'):
        fname = fname[2:]
    f = open(fname)
    lines = f.readlines()
    f.close()
    check_file(lines, fname)
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
/*

```

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*
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*
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- *
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71150.2731@compuserve.com]:

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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
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The decompression core code for the deflate method (inflate.[ch],
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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@item

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@enumerate a

@item

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

@item

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

@item

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

@end enumerate

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@enumerate a

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

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@subheading END OF TERMS AND CONDITIONS

@page

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@smallexample

@var{one line to give the library's name and an idea of what it does.}

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smallexample

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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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@page

@heading Appendix: How to Apply These Terms to Your New Programs

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@smallexample

@var{one line to give the program's name
and a brief idea of what it does.}

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

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

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

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

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"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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- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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

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

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

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute

the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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

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

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

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

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

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

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

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
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1.61 libdaemon 0.14

1.61.1 Available under license :

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Version 2.1, February 1999

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

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

libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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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

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1.63 sudo 1.8.23

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

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Allbery, Russ
Anderson, Jamie
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Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
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Boyce, Keith Garry
Brantley, Michael
Braun, Rob
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Brown, Jerry
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Bussjaeger, Andreas
Calvin, Gary
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Frysinger, Mike
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Knox, Tim
Komarnitsky, Alek O.

Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
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Larsen, Case
Levin, Dmitry V.
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Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
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Ouellet, Jean-Philippe
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Peslyak, Alexander
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Pickett, Joel
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The following people have worked to translate sudo into other

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Blttermann, Mario
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Fontenelle, Rafael
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1.64 hamcrest 1.3

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```
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```

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```
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```

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1.66 gmp 6.1.2

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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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From strings/apr_strnatcmp.c,
include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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1.69 mod-security 2.9.0

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1.70 zeromq 4.2.3

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1.71 jackson-databind 2.9.8

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1.73 jaxb-core 2.2.11

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1.76 kmod 20-23.el7

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#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
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src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
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src/pcf/pcfdrivr.c
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src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
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src/pcf/README
src/pcf/rules.mk
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src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
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src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
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-- vile: txtmode file-encoding=utf-8
Upstream source <https://invisible-island.net/ncurses/ncurses.html>
This package is used for testing builds of `ncurses`.

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

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Files: `doc/html/NCURSES-Programming-HOWTO.html`
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Files: progs/tset.c ncurses/tinfo/read_termcap.c

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Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

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

Files: *

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1.89 attr 2.4.47

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1.91 ipmi-tool 1.8.18

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1.92 libnettle6 3.4

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```
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```
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```

```
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1.94 coreutils 8.30

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1.98 libcgroup 0.41

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

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

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

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

The hypothetical commands `show w' and `show c' should show the appropriate

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Less
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1.100 libusb 1.0.22

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Version 2.1, February 1999

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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

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

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

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means

all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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(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,

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

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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1.105 tcl 8.6.8

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1.107 python 3.7.4

1.107.1 Available under license :

.. highlightlang:: none

.. _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 <https://www.cwi.nl/>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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1.6	1.5.2	2000	CNRI	no

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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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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Mersenne Twister

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

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

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

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<http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/emt.html>

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

Sockets

The `:mod:`socket``

module uses the functions, `:func:`getaddrinfo``, and

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

Project, <http://www.wide.ad.jp/>. ::

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Asynchronous socket services

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Cookie management

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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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SipHash24

The file :file:`Python/pyhash.c` contains Marek

Majkowski' implementation of

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves (supercop/crypto_auth/siphash24/little)

djb (supercop/crypto_auth/siphash24/little2)

Jean-Philippe Aumasson

(<https://131002.net/siphash/siphash24.c>)

strtod and dtoa

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

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cfuhash

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1.108 libxml 2.9.8

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1.109 file 5.34

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```
## *-makefile-*  
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)  
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```

```
## Commands to generate dependency files  
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)  
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

```
## Flags for position independent code  
SHAREDLIBCFLAGS = -fPIC
```

```

SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

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

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules

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

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

## Dependency rules

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

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

```

Versioned libraries rules

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

End FreeBSD-specific setup

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1.110 gnutls 3.6.4

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Constant-time SSSE3 AES core implementation.

version 0.1

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By Mike Hamburg (Stanford University), 2009

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For details see https://shiftright.org/papers/vector_aes/ and

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Version 3, 29 June 2007

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1.111 protobuf 3.6.1

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* Fix compiler to not make output executable.

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* Solaris 10 + Sun Studio fixes.

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* Slicing support for repeated scalar fields for the Python API.

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* MS Visual Studio error format option.

* Detect unordered_map in stl_hash.m4.

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* gzip/zlib I/O support.

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* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).

* Added generation of field number constants.

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* Fixed initialization ordering problem in logging code.

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* Small patch improving performance of in Python serialization.

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

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

Alexander Melnikov <alm@sibmail.ru>

* HPUX support.

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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.

Michael Kucharski <m.kucharski@gmail.com>

- * 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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1.112 acpid 2.0.30

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```

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under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c'
should show the appropriate
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<signature of Ty Coon>, 1 April 1989
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1.113 elfutils 0.175

1.113.1 Available under license :

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```

```
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1.115 inotify-tools 3.14+git0+1df9af4d6c

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1.116 rrdtool 1.7.0

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David L. Barker <dave with ncomtech.com> xport function bug fixes

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Kevin Brintnall <kbrint with rufus.net> bugfixes in and additions to rrdcached, including journaling support
Larry Leszczynski <larryl with furph.com>
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Wegmann, Christof <Christof.Wegmann@exitgames.com> 1.3/trunk win32 port

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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1.119 libpng 1.6.35

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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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////

[#mpl]

MPL Support, <boost/mp11/mpl.hpp>

:toc:

:toc-title:

:idprefix:

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

NOTE: `mpl.hpp` is not included by `<boost/mp11.hpp>`.

1.122 libcap 2.22-9.el7

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1.128 rng-tools 6.3.1-3.el7

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The

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1.131 iptables 1.6.2

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1.132 open-ldap 2.4.44 21.el7_6

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1.133 busybox 1.29.2

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1.135 iptutils s20180629

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1.137 perl 5.24.4

1.137.1 Available under license :

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The End

abstract: 'Build and install Perl modules'

author:

- 'Ken Williams <kwilliams@cpan.org>'

- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>."

build_requires:

File::Temp: 0.15

Test::Harness: 3.16

Test::More: 0.49

generated_by: 'Module::Build version 0.3608'

license: gpl

meta-spec:

url: <http://module-build.sourceforge.net/META-spec-v1.4.html>

version: 1.4

name: Module-Build

resources:

MailingList: <mailto:module-build@perl.org>

license: <http://dev.perl.org/licenses/>

repository: <http://github.com/dagolden/module-build/>

version: 3

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

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```
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```

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That's all there is to it!

```
#!/perl
```

```
=head1 NAME
```

```
copyright.t
```

```
=head1 DESCRIPTION
```

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

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

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

```
=cut
```

```
use strict;
```

```
use Config;
```

```
BEGIN { require './test.pl' }
```

```
if ( $Config{usecrosscompile} ) {
```

```
    skip_all( "Not all files are available during cross-compilation" );
```

```
}
```

```
my ($opt) = @ARGV;
```

```
my $readme_year = readme_year();
```

```
my $v_year = v_year();
```

```
# Check that both copyright dates are up-to-date, but only if requested, so
```

```
# that tests still pass for people intentionally working on older versions:
```

```
if ($opt eq '--now')
```

```
{
```

```
    my $current_year = (gmtime)[5] + 1900;
```

```
    is $v_year, $current_year, 'perl -v copyright includes current  
year';
```

```
    is $readme_year, $current_year, 'README copyright includes current year';
```

```
}
```

```
# Otherwise simply check that the two copyright dates match each other:
```

```
else
```

```

{
is $readme_year, $v_year, 'README and perl -v copyright dates match';
}

done_testing;

sub readme_year
# returns the latest copyright year from the top-level README file
{

open my $readme, '<', './README' or die "Opening README failed: $!";

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

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

$year;
}

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

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

$year;
}

```

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It is safest to

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```
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```

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

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

That's all there is to it!

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1.139 log-rotate 3.14.0

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

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

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

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

You should have received a copy of the GNU General Public License along with this program; if not, write to the Free Software Foundation, Inc.,

51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.

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

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

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

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

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

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

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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License.

1.140 libgpg-error 1.32

1.140.1 Available under license :

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Version 2, June 1991

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

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

For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

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

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

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

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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

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

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2. You may modify your copy or copies of the Program or any portion of it, thus forming a work based on the Program, 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) You must cause the modified files to carry prominent notices stating that you changed the files and the date of any change.
- b) You must cause any work that you distribute or publish, that in

whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third

parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

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

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

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

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:

a) 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; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium

customarily used for software interchange; or,

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

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

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

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

Copyright (C) <year> <name of author>

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

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

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

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

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

The hypothetical commands

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

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

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

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

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proprietary programs. If your program is a subroutine library, you may
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library. If this is what you want to do, use the GNU Library General
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Version 2.1, February 1999

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

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

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

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

the library.

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

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

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

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

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

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A "library" means a collection of software functions and/or data

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

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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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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.

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

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1.141 dosfs-tools 4.1

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```

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```
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1.142 libunwind 1.2-rc1

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```

```
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1.143 luasocket 5.0.2

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1.144 zopfli 1.0.1

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1.145 xmlsec-java 2.2.0

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1.146 Ildpd 1.0.3

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1.148 cracklib 2.9.5

1.148.1 Available under license :

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Version 2.1, February 1999

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a

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Section 6 states terms for distribution of such executables.

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

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

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

That's all there is to it!

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

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

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

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

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

clarification of the licensing that was already in place.=20

-- Nathan
=20

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

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

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

Attachments: Message as HTML
On Monday 01 October 2007, Neulinger, Nathan

wrote:

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

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

unlike the old license, GPL-2 prevents people from using cracklib unless th=
eir=20
applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel]

cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

> [mailto:cracklib-devel-bounces@li...] On Behalf Of

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

> On Monday 01 October 2007, Neulinger, Nathan wrote:

>> I understand that, and you're welcome to bring it up with Alec

> directly

>> and see if he wants to relicense his code as LGPL... but at this

> point,

>> it was enough to just get it consistent and documented as to what

> it was

>> released under. This wasn't actually a license change, just a

>> clarification of the licensing that was already in place.

>=20

> the original license (before moving to sourceforge -- aka, 2.7) was

> not

> GPL-2 ... it was a modified artistic license ... i didnt notice the

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> change until it was mentioned in the latest notes.

>=20

> unlike the old license, GPL-2 prevents people from using cracklib

> unless their

> applications are also GPL-2 which imo is just wrong. it isnt the

> place of a

> library

to dictact to application writes what license they should

- > be using.
- > thus LGPL-2.1 enters to fill this void.
- > -mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

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

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license

From: Devin Reade <gdr@gn...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I

think it is in everyone's

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

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

Devin

--

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

Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:

- >> Seems like the ideal thing here would be for you and the other distro
- >> maintainers to get together with Alec in a conversation and come to a
- >> decision as to what licensing scheme y'all want. I haven't really done
- >> much other than cleaning up the packaging and patches and a small

>> bit of
>> additional
code, so whatever licensing y'all come up with is fine
>> by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

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

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

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

Cheers,

Nalin

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

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
>>> Seems like the ideal thing here would be for you and the other distro
>>> maintainers to get together with Alec in a conversation and come to a
>>> decision as to what licensing scheme y'all want. I haven't really done
>>> much other than cleaning up the packaging and patches and a small
>>> bit of
>>> additional code, so whatever licensing y'all come up with is fine
>>> by me.
>>
>> I am sympathetic. Guys, what do you reckon?
>>
>> What I am hearing so far is that LGPL makes sense, since it can be
>> linked with any code, not just GPL...
>
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.

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

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

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> the change now ?

yes. go for it. thanks++

-a

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

Attachments: Message as HTML
On Sunday 05 October
2008, Alec Muffett wrote:
> >> In any case, I thank you both for working on sorting this out.
> >
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we
> > make the change now ?
>
> yes. go for it. thanks++

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

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

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

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

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

From
alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from
[82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license

Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length:
585
Lines: 21

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

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

Happy now? :-)

-a

1.149 beecrypt 4.2.1

1.149.1 Available under license :

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Version 2, June 1991

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```
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```

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

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

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under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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

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

Section 6 states terms for distribution of such executables.

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables

containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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

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- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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That's all there is to it!

I would like to thank the following people (in alphabetical order):

- Seth Arnold, for contributing to the documentation.
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- ARM Ltd, for donating a copy of "ARM Architecture Reference Manual".
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- FSF France, for providing me with access to the GCC Compile Farm.
- SourceForge, for their excellent open source development platform.

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If I've missed anyone, it's due to oversight. Drop me a line and I'll rectify the situation as quickly as possible.

1.150 Im-sensors 3.4.0

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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,

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

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* Frodo Looijaard

Original author of libsensors, sensors-detect, sensors and isadump.

* Merlin Hughes

Original author of sensord.

* Bob Schlaermann

Dynamic chip feature detection (a.k.a. generic chip support) in
libsensors and sensors.

* Mark M. Hoffman

Many improvements to the libsensors configuration file scanner.

* Jean Delvare

New libsensors API, and migration of sensors and sensord thereto.

Many optimizations in libsensors and sensors.

Configuration file converter.

Rewrite of sensors-detect.

Support for multiple configuration files in libsensors.

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1.155 dhcp 4.4.1

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

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

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!-- \$Id\$ -->

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

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

xmlns:xi="http://www.w3.org/2001/XInclude"

xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">

<xsl:param name="text"/>

<xsl:value-of select="\$isc.copyright.leader"/>

```

<xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
<xsl:text>&#10;</xsl:text>
<xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
<xsl:if test="translate($rest, '&#9;&#32;', '')">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param
name="text" select="$rest"/>
  </xsl:call-template>
</xsl:if>
</xsl:template>

```

```

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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    file, You can obtain one at http://mozilla.org/MPL/2.0/.
  </xsl:text>
</xsl:variable>

```

```

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:value-of select="$isc.copyright.breakline"/>
        <xsl:text>&#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

```

<!--

```

- Local variables:
- mode: sgml
- End:
-->

```

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1.156 bridgeutils 1.6

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1.158 avahi 0.7

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1.159 libcroco 0.6.12

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Because
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1.160 rpm 4.14.2

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

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```
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```
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```


<signature of Ty Coon>, 1 April 1989

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Upstream-Contact: Andy Cress <arcress@users.sourceforge.net>

Source: <http://ipmiutil.sourceforge.net>

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Upstream-Contact: Andy Cress <arcress@users.sourceforge.net>

Source: <http://ipmiutil.sourceforge.net>

Comment: This package was debianized by Andy Cress on 2010-10-29,
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Upstream-Name: ipmiutil

Upstream-Contact: Andy Cress <arcress@users.sourceforge.net>

Source: <http://ipmiutil.sourceforge.net>

<http://www.openmash.org/lxr/source/src/getopt.c?c=gsm>

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1.163 libunwind 1.2

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```
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<signature of Ty Coon>, 1 April 1989
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Version 2.1, February 1999

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

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

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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=====
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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<!-- \$Id\$ -->

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

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

xmlns:xi="http://www.w3.org/2001/XInclude"

xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">

<xsl:param name="text"/>

<xsl:value-of select="\$isc.copyright.leader"/>

<xsl:value-of select="normalize-space(substring-before(\$text, '
'))"/>

<xsl:text>
</xsl:text>

<xsl:variable name="rest" select="substring-after(\$text, '
')"/>

<xsl:if test="translate(\$rest, '	 ', '')">

<xsl:call-template name="isc.copyright.format">

<xsl:with-param

name="text" select="\$rest"/>

</xsl:call-template>

</xsl:if>

</xsl:template>

<xsl:variable name="isc.copyright.text">

<xsl:text>

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</xsl:text>

</xsl:variable>

<xsl:variable name="isc.copyright">

<xsl:call-template name="isc.copyright.format">

<xsl:with-param name="text">

```
<xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
  <xsl:value-of select="$isc.copyright.breakline"/>
  <xsl:text>&#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>
```

<!--

- Local variables:

- mode: sgml

- End:

-->

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man/fmtcheck.3bsd
man/humanize_number.3bsd
man/stringlist.3bsd
man/timeval.3bsd
src/fmtcheck.c
src/humanize_number.c
src/stringlist.c
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man/byteorder.3bsd
man/closefrom.3bsd
man/expand_number.3bsd
man/flopen.3bsd
man/getpeereid.3bsd
man/pidfile.3bsd
src/expand_number.c
src/hash/sha512.h
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src/fparseln.c

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man/readpassphrase.3bsd
man/strncpy.3bsd
man/strtonum.3bsd
src/arc4random.c
src/arc4random_linux.h
src/arc4random_openbsd.h
src/arc4random_uniform.c
src/arc4random_unix.h
src/arc4random_win.h
src/closefrom.c
src/getentropy_aix.c
src/getentropy_bsd.c
src/getentropy_hpux.c
src/getentropy_hurd.c

src/getentropy_linux.c
src/getentropy_osx.c
src/getentropy_solaris.c
src/getentropy_win.c
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src/strlcat.c
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src/hash/md5.c

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Files:

src/explicit_bzero.c

src/chacha_private.h

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*
* Contributor(s):
* Kristian Høgsberg <krh@redhat.com>
* Carl Worth <cworth@cworth.org>
*/
/* cairo-fdr - a 'flight data recorder', a black box, for cairo
*
```

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1.172 icu 62

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## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

```

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

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

## Versioned libraries rules

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

## Bind internal references

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

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

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

## End BSD-specific setup
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Dictionary: <http://lao-dictionary.googlecode.com/git/Lao-Dictionary.txt>
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```
#
# This file is derived from the above dictionary, with slight
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# -----
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# -----
```

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```

```
#
# This list is part of a project hosted at:
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```

```
# -----
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```

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# -----
```

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```
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1.173 e2fsprogs 1.44.3

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Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
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```
#  
# This is a Makefile stub which handles the creation of BSD shared  
# libraries.  
#  
# In order to use this stub, the following makefile variables must be defined.  
#  
# BSDLIB_VERSION = 1.0  
# BSDLIB_IMAGE = libce  
# BSDLIB_MYDIR = et  
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)  
#
```

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

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

BSDLIB_PIC_FLAG = -fpic

image: \$(BSD_LIB)

\$(BSD_LIB): \$(OBJS)

(cd pic; ld -Bshareable -o \$(BSD_LIB) \$(LDFLAGS_SHLIB) \$(OBJS))

\$(MV) pic/\$(BSD_LIB) .

\$(RM) -f ../\$(BSD_LIB)

(cd ..; \$(LN) \$(LINK_BUILD_FLAGS) \

`echo \$(my_dir) | sed -e 's;lib/;;' /\$(BSD_LIB) \$(BSD_LIB))

install-shlibs install:: \$(BSD_LIB)

@echo " INSTALL_PROGRAM \$(BSDLIB_INSTALL_DIR)/\$(BSD_LIB)"

@\$(INSTALL_PROGRAM) \$(BSD_LIB) \

\$(DESTDIR)\$ (BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

@-\$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$ (BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD_LIB)

\$(RM) -f ../\$(BSD_LIB)

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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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Gadi Oxman, August 1995

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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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Theodore Ts'o
23-June-2007

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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1.174 dtc 1.4.7

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Bundled Libraries:

***** Base 64 Library (base64/base64.hpp) *****

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base64.cpp and base64.h

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Ren Nyffenegger rene.nyffenegger@adp-gmbh.ch

***** SHA1 Library (sha1/sha1.hpp) *****

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***** MD5 Library (common/md5.hpp) *****

md5.hpp is a reformulation of the md5.h and md5.c code from <http://www.opensource.apple.com/source/cups/cups-59/cups/md5.c> to allow it to function as a component of a header only library. This conversion was done by Peter Thorson (webmaster@zaphoyd.com) in 2012 for the WebSocket++ project. The changes are released under the same license as the original (listed below)

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L. Peter Deutsch
ghost@aladdin.com

***** UTF8 Validation logic (utf8_validation.hpp) *****

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1.176 guava 13.0-6.el7

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1.181 iputils 20180629

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1.182 jquery 3.5.1

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1.187 iproute 4.19.0

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1.188 kmod 25+git0+aca4eca103

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1.190 mdadm 4.1

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1.191 ncurses 6.1+20180630

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1.192 pigz 2.4

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Any

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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/tests/codec/native/__main__.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/compat/binary.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/tests/codec/ber/test_encoder.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/debug.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/type/opentype.py
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/codec/cer/encoder.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/tests/type/test_useful.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/base.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/type/namedval.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/compat/dateandtime.py
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0.4.4/pyasn1/codec/cer/decoder.py
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/tests/codec/ber/__main__.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/type/error.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/compat/calling.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

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0.4.4/pyasn1/compat/octets.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/test_binary.py
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/opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/der/__main__.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/test_debug.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/der/test_decoder.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/native/test_decoder.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/char.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_constraint.py
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/cer/test_decoder.py
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/native/test_encoder.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/test_integer.py
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/setup.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/codec/ber/encoder.py
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/__main__.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_char.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/__main__.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

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0.4.4/tests/codec/der/test_encoder.py
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/error.py
* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/codec/ber/eoo.py

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ASN.1 library for Python

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```

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```

Abstract Syntax Notation One (ASN.1)

<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>`_) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1 <<https://pypi.org/project/pyasn1/>>`_ library implements ASN.1 support in pure-Python.

What is ASN.1

```
-----
```

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and became a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions <<https://news.ycombinator.com/item?id=8871453>> on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` <<https://developers.google.com/protocol-buffers/>> or `FlatBuffers` <<https://google.github.io/flatbuffers/>>, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- * Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.
- * Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.
- * Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- * Signaling standards for the public switched telephone network (SS7 family)
- * Network management standards (SNMP, CMIP)
- * Directory standards (X.500 family, LDAP)
- * Public Key Infrastructure standards (X.509, etc.)
- * PBX control (CSTA)
- * IP-based Videoconferencing (H.323 family)
- * Biometrics (BIP, CBEFF,

ACBio)

- * Intelligent transportation (SAE J2735)
- * Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the ``statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`_` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation

```
.. toctree::  
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```

[/pyasn1/contents](#)

Use case

```
.. toctree::  
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```

[/example-use-case](#)

Download & Install

```
.. toctree::  
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```

[/download](#)

Changes

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

..

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```

```
/changelog
```

License

The PyASN1 software is distributed under 2-clause BSD License.

```
.. toctree::
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```

```
/license
```

Getting help

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>` _
and `PRs` <<https://github.com/etingof/pyasn1/pulls>>` _ at GitHub.
Alternatively, you could ask for help at
`Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>` _
or search
`pyasn1-users` <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>` _
mailing list archive.

Books on ASN.1

The pyasn1 implementation is largely based on reading up the following awesome books:

- * `ASN.1 - Communication between heterogeneous systems` <<http://www.oss.com/asn1/dubuisson.html>>` _ by Olivier Dubuisson
- * `ASN.1 Complete` <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>` _ by Prof John Larmouth

Here you can get the official standards which is hard to read:

- * `ITU standards`
<<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>>` _

On the other end of the readability spectrum, here is a quick and sweet write up:

- * `A Layman's Guide to a Subset of ASN.1, BER, and DER` <<ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>>` _ by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper

book on the subject.

Found in path(s):

* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/docs/source/contents.rst

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ASN.1 library for Python

[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/
[![Build status](https://travis-ci.org/etingof/pyasn1.svg?branch=master)](https://secure.travis-ci.org/etingof/pyasn1)
[![Coverage
Status](https://img.shields.io/codecov/c/github/etingof/pyasn1.svg)](https://codecov.io/github/etingof/pyasn1)
[![GitHub license](https://img.shields.io/badge/license-BSD-
blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features

*

- Generic implementation of ASN.1 types (X.208)
- * Standards compliant BER/CER/DER codecs
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 2.4 up to Python 3.7
- * MT-safe
- * Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)

by

Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
 DefaultedNamedType(
 'house',
 Integer(0).subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
```
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form.

Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```
```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```
```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```
```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```
```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/etingof/pyasn1-modules>).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<http://snmplabs.com/pyasn1/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/etingof/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If

something does not work as expected,
[open an issue](<https://github.com/etingof/pyasn1/issues>) at GitHub or
post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>)
or try browsing pyasn1
[mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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* /opt/ws_local/PERMITS_SQL/1063016395_1592949447.38/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/README.md

1.201 pycparser 2.18

1.201.1 Available under license :

pycparser -- A C parser in Python

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1.202 openorb 1.8.0_252

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```
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```

```
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the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

```
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```
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```

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1.204 kerberos 1.16.1

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```
cmd/krb5/ipropl/ipropl.x
cmd/krb5/ipropl/ipropl_hdr.h
cmd/krb5/kadmin/server/ipropl_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
```

lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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```
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */
```

```
/* tests/shlib/t_loader.c */
```

```
/*
```

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c

lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

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kadmin/server/iprof_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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1.207 asm 5.0.3

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```

*/
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
 * version.
 *
 * @param mv
 *
the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see { @link Opcodes}). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see { @link Type}).
 * @param signature
 * the method's signature. May be <tt>null</tt>.
 * @param exceptions
 * the internal names of the method's exception classes (see
 * { @link Type#getInternalName() getInternalName}). May be
 * <tt>null</tt>.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

```

Found in path(s):

```

*/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *     a reference to the annotated type. See {@link TypeReference}.
 * @param typePath
 *     the path to the annotated type argument, wildcard bound, array
 *     element type, or static inner type within 'typeRef'. May be
 *     <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start
 *     the first instructions corresponding to the continuous ranges
 *     that make the scope of this local variable (inclusive).
 * @param end
 *     the last instructions corresponding to the continuous ranges
 *     that make the scope of this local variable (exclusive). This
 *     array must have the same size as the 'start' array.
 * @param index
 *     the local variable's index in each range. This array must have
 *     the same size as the 'start' array.
 * @param desc
 *     the class descriptor of
the annotation class.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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*/
/**
 * Constructs a new {@link ClassNode}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #ClassNode(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

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```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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*/

/**

* Creates a new { @link GeneratorAdapter}. *<i>*Subclasses must not use this
* constructor*</i>*. Instead, they must use the
* { @link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
* version.

*

* @param mv

* the

method visitor to which this adapter delegates calls.

* @param access

* the method's access flags (see { @link Opcodes}).

* @param name

* the method's name.

* @param desc

* the method's descriptor (see { @link Type Type}).

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

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 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/signature/SignatureWriter.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/commons/Method.java
 *
 /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/TraceSignatureVisitor.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/AbstractInsnNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/TraceClassVisitor.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/ClassVisitor.java

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 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/commons/AdviceAdapter.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/LineNumberNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/AnnotationNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/optimizer/Constant.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/Context.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
 *
 /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/VarInsnNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/TraceFieldVisitor.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
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 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/signature/SignatureVisitor.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/Frame.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/TypeAnnotationNode.java
 *
 /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/Type.java
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 jar/org/objectweb/asm/tree/InsnList.java
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 jar/org/objectweb/asm/tree/TryCatchBlockNode.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/commons/InstructionAdapter.java
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 jar/org/objectweb/asm/util/Printer.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/util/CheckMethodAdapter.java
 * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
 jar/org/objectweb/asm/tree/analysis/Subroutine.java

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*
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jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/ASMifier.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingClassAdapter.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Edge.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/ParameterNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Item.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/JumpInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-

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jar/org/objectweb/asm/tree/LocalVariableNode.java
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jar/org/objectweb/asm/tree/MethodInsnNode.java
*
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Opcodes.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
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jar/org/objectweb/asm/util/CheckFieldAdapter.java
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jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/Attribute.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/Shrinker.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/CheckClassAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/SmallSet.java
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jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/ClassReader.java
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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/ByteVector.java

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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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jar/org/objectweb/asm/Label.java
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jar/org/objectweb/asm/Handle.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
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/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/Remapper.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/MethodWriter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
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/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
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- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/Textifiable.java

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- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/package.html
- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/package.html
- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/package.html
- *
- /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/package.html
- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/package.html
- * /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/signature/package.html

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jar/org/objectweb/asm/TypePath.java

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/TypeReference.java

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/**
```

```
 * Constructs a new { @link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the { @link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 *     If a subclass calls this constructor.
 */
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
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```



```

/**
 * Creates a new {@link AnalyzerAdapter}. Subclasses must not use this
 * constructor. Instead, they must use the
 * {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 *
 * @param owner
 *
 * the owner's class name.
 * @param access
 * the method's access flags (see {@link Opcodes}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {@link Type Type}).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be null.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

```

Found in path(s):

```

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jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/optimizer/shrink-resize.properties
*

```

```
/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/optimizer/shrink-annotations.properties  
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/optimizer/shrink-signatures.properties  
* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/optimizer/shrink.properties
```

1.208 jackson 2.9.8

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*

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*

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

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- The make-ssh-known-hosts script is no longer included
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1.216 linux-kernel 4.18.45

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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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Because

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Version 3, 29 June 2007

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1.220 jaxen 62

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Found in path(s):

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/util/DescendantAxisIterator.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/util/PrecedingAxisIterator.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/dom/DocumentNavigator.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/util/DescendantOrSelfAxisIterator.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/util/AncestorOrSelfAxisIterator.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/Navigator.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/util/FollowingAxisIterator.java

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 * \$Id\$
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Found in path(s):

- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/XPathHandler.java
- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/PredicateSet.java
- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultAdditiveExpr.java
- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/NumberExpr.java
- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultAbsolutePath.java
- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/XPathSyntaxException.java
- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultModExpr.java
- *
 /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/helpers/DefaultXPathHandler.java
- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/helpers/XPathReaderFactory.java
- * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-

jar/org/jaxen/saxpath/XPathReader.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/Operator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultXPathFactory.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/base/XPathLexer.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/AdditiveExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultMultiplyExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/base/XPathReader.java
*
/opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultMinusExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultLocationPath.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/SAXPathEventSource.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultPathExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/base/Token.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/SAXPathException.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultNumberExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/XPathFactory.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/Axis.java
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 jar/org/jaxen/saxpath/base/Verifier.java
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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/EqualityExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/Predicate.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/TrueFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/iter/IterableDescendantOrSelfAxis.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/PositionFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-

jar/org/jaxen/expr/iter/IterablePrecedingSiblingAxis.java
 *
 /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/DefaultEqualityExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/QualifiedName.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/NumberFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/util/FollowingSiblingAxisIterator.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/FalseFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/pattern/NodeTypeTest.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/pattern/AnyChildNodeTest.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/DefaultLiteralExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/XPathSyntaxException.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultFilterExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/pattern/NamespaceTest.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultLogicalExpr.java
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/function/NamespaceUriFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultEqualsExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultLessThanEqualExpr.java
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultLessThanExpr.java
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 /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/Function.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/util/SingleObjectIterator.java
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultRelationalExpr.java
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/pattern/Pattern.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultPredicate.java
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/function/BooleanFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/iter/IterableAncestorOrSelfAxis.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-

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jar/org/jaxen/expr/DefaultPlusExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/NameFunction.java
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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/ext/EvaluateFunction.java
*
/opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/pattern/PatternParser.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/DefaultUnionExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/LangFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/DefaultTextNodeStep.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/DefaultProcessingInstructionNodeStep.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/pattern/AnyNodeTest.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/ext/LocaleFunctionSupport.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/ext/UpperFunction.java
*
/opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/UnaryExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/SubstringBeforeFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/iter/IterableNamespaceAxis.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/MultiplicativeExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/DefaultNavigator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/DefaultBinaryExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/DefaultVariableReferenceExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/RelationalExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/XPathFunctionContext.java
*

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/opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/pattern/PatternHandler.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/BaseXPath.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/pattern/NameTest.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/namespace/Context.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/ext/EndsWithFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/DefaultArithExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/DefaultXPathExpr.java
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 jar/org/jaxen/JaxenException.java
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 *
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 jar/org/jaxen/pattern/NodeTest.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/DefaultOrExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/FunctionCallExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/StringLengthFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/FilterExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/dom/DOMXPath.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/DefaultGreaterThanExpr.java
 *
 /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/xslt/DocumentFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/StartsWithFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/DefaultAllNodeStep.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 jar/org/jaxen/util/PrecedingSiblingAxisIterator.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/SimpleFunctionContext.java
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 jar/org/jaxen/FunctionContext.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/javabean/JavaBeanXPath.java
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 /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
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 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/SubstringAfterFunction.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/XPathExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/DefaultGreaterThanEqualExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/SimpleVariableContext.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/pattern/NoNodeTest.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/SimpleNamespaceContext.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/ProcessingInstructionNodeStep.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/iter/IterableFollowingAxis.java
 *
 /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/TextNodeStep.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/expr/UnionExpr.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-

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jar/org/jaxen/UnsupportedAxisException.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/RoundFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/NameStep.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/PathExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/DefaultStep.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/LogicalExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/iter/IterableAncestorAxis.java
*
/opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/DefaultCommentNodeStep.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/LastFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/NormalizeSpaceFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/function/ContainsFunction.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/util/AncestorAxisIterator.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/BinaryExpr.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/UnresolvableException.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/iter/IterablePrecedingAxis.java

```

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jar/org/jaxen/expr/NodeComparator.java

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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/function/SubstringFunction.java

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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/JaxenConstants.java
 * /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
 jar/org/jaxen/JaxenRuntimeException.java

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 *
 * $Id$
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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/expr/DefaultFunctionCallExpr.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/saxpath/base/TokenTypes.java

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* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/NamedAccessNavigator.java

* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-

```
jar/org/jaxen/expr/iter/IterableAxis.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/Context.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-jar/org/jaxen/XPath.java
*
/opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/iter/IterableAttributeAxis.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/DefaultNameStep.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/ContextSupport.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/expr/iter/IterableChildAxis.java
* /opt/ws_local/PERMITS_SQL/1093498622_1600942376.18/0/jaxen-62-sources-
jar/org/jaxen/javabean/DocumentNavigator.java
```

1.221 multipart-parser-c NA

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```

Found in path(s):

```
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-
master/multipart_parser.c
* /opt/cola/permits/1102738801_1610534739.81/0/multipart-parser-c-master-3-zip/multipart-parser-c-
master/multipart_parser.h
```

1.222 glib 2.60.4

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Version 2.1, February 1999

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1.226 idna 2.7

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```
"""
```

```
A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.
```

```
"""
```

```
import io, sys
```

```
from setuptools import setup
```

```
def main():
```

```
    python_version = sys.version_info[:2]
```

```
    if python_version < (2,6):
```

```
        raise SystemExit("Sorry, Python 2.6 or newer required")
```

```
    package_data = { }
```

```
    exec(open('idna/package_data.py').read(), package_data)
```

```
    arguments = {
```

```
        'name': 'idna',
```

```
        'packages': ['idna'],
```

```
        'version': package_data['__version__'],
```

```
        'description': 'Internationalized Domain Names in Applications (IDNA)',
```

```
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
```

```
        'author': 'Kim Davies',
```

```
        'author_email': 'kim@cynosure.com.au',
```

```
        'license': 'BSD-like',
```

```
        'url': 'https://github.com/kjd/idna',
```

```
        'classifiers': [
```

```
            'Development Status :: 5 - Production/Stable',
```

```
            'Intended Audience :: Developers',
```

```
            'Intended Audience :: System Administrators',
```

```
            'License :: OSI Approved :: BSD License',
```

```
            'Operating System :: OS Independent',
```

```
            'Programming Language :: Python',
```

```

'Programming Language :: Python :: 2.6',
'Programming Language :: Python :: 2.7',
'Programming Language :: Python :: 3',
'Programming Language :: Python :: 3.3',
'Programming Language :: Python :: 3.4',
'Programming Language :: Python :: 3.5',
'Programming Language :: Python :: 3.6',
'Topic :: Internet :: Name Service (DNS)',
'Topic :: Software Development :: Libraries :: Python Modules',
'Topic :: Utilities',
],
'test_suite':
'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

```

Found in path(s):

* /opt/cola/permits/1110765725_1606850597.72/0/kjd-idna-v2-7-0-g5d76cb6-1-tar-gz/kjd-idna-77c8bce/setup.py

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Found in path(s):

* /opt/cola/permits/1110765725_1606850597.72/0/kjd-idna-v2-7-0-g5d76cb6-1-tar-gz/kjd-idna-77c8bce/LICENSE.rst

1.227 python3-asn1crypto 0.24.0

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1.228 apache-log4j 1.2.15

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1.233 ipmiutil 1.8.2

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1.235 time 1.7-45.e17

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```
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under certain conditions; type `show c' for details.
```

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```
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```

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

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1.236 popt 1.13-16

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*
* @author Jerome Louvel
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/**
 * Constructor.
 *
 * @param server
 * @param
exchange
 * @param confidential
 */
```

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```
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```
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
```

```
jar/org/restlet/engine/resource/MethodAnnotationInfo.java
*
/opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/util/StringUtils.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/representation/DigesterRepresentation.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/representation/AppendableRepresentation.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
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/** The confidentiality. */
/**
 * Constructor.
 *
 * @param schemeName
 *     The scheme name.
 * @param name
 *     The unique name.
 * @param description
 *     The description.
 * @param defaultPort
 *     The default port.
 * @param confidential
```

```
*      The confidentiality.
*/
/**
 * Indicates if the protocol guarantees the confidentiality of the messages
 * exchanged, for example via a SSL-secured connection.
 *
 * @return True if the protocol is confidential.
 */
```

Found in path(s):

```
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/data/Protocol.java
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 * https://restlet.talend.com/
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 */
```

Found in path(s):

```
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/header/DispositionReader.java
*
```

```
/opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/header/ExpectationWriter.java
```

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* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/util/DateUtils.java
```

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* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/util/SystemUtils.java
```

```
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/resource/Put.java
```

* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/local/Entity.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/DateWriter.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/service/DecoderService.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/routing/Validator.java
 *
 /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/representation/ReaderRepresentation.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/routing/Template.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/application/Decoder.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/application/CorsFilter.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/PreferenceWriter.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/SslUtils.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/representation/CharacterRepresentation.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/StringWriter.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/CompositeHelper.java
 *
 /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/security/Authenticator.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ChallengeRequestReader.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/service/ConverterService.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/Client.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/io/ReadableSelectionChannel.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/util/EngineClassLoader.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ChildContext.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/application/Conneg.java
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 /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/TagWriter.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/resource/VariantInfo.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/resource/Result.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/application/StatusInfo.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/data/Tag.java

* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/routing/Router.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/io/WriterOutputStream.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/Context.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/util/ImmutableDate.java
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 /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/data/Range.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/data/Dimension.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/representation/StreamRepresentation.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/routing/VirtualHost.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/util/WrapperScheduledExecutorService.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentClientDispatcher.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/local/LocalClientHelper.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/data/Expectation.java
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 /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/io/ReaderInputStream.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/HeaderConstants.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/local/ClapClientHelper.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/representation/ReadableRepresentation.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/representation/ByteArrayRepresentation.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/representation/RepresentationInfo.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/PreferenceReader.java
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 /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/routing/Route.java
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 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/util/ServiceList.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/EncodingReader.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/data/Parameter.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/component/ComponentContext.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/Application.java
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 jar/org/restlet/representation/OutputRepresentation.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
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 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
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 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
 jar/org/restlet/engine/resource/ThrowableAnnotationInfo.java
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 /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
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 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
 jar/org/restlet/engine/connector/Method.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
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 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/Response.java
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 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/data/CacheDirective.java
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 jar/org/restlet/engine/header/CookieSettingWriter.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
 jar/org/restlet/engine/local/EntityClientHelper.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/util/ClientList.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
 jar/org/restlet/engine/local/ZipEntryRepresentation.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/security/User.java
 * /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/security/Role.java
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 jar/org/restlet/engine/converter/StatusInfoHtmlConverter.java

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/opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/log/IdentClient.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/resource/Status.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ExpectationReader.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/local/DirectoryServerResource.java
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* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/ContentTypeReader.java
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* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/header/CookieReader.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/ssl/DefaultSslContextFactory.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/ServerAdapter.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/data/ClientInfo.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/routing/Variable.java
*

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* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/security/MemoryRealm.java
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* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-

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jar/org/restlet/engine/converter/DefaultConverter.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/service/EncoderService.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/adaptor/ClientAdapter.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/log/LoggingThreadFactory.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/log/DefaultAccessLogFormatter.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/service/ConnegService.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/util/SetUtils.java
No license file was found, but licenses were detected in source scan.

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 * limitations, transferable or non-transferable, directly at  
 * https://restlet.talend.com/  
 *  
 * Restlet is a registered trademark of Talend S.A.  
 */  
/**  
 * Indicates if the call came over a confidential channel  
 such as an  
 * SSL-secured connection.  
 *  
 * @return True if the call came over a confidential channel.  
 */
```

Found in path(s):

* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/util/WrapperRequest.java
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-

jar/org/restlet/util/WrapperResponse.java

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 *
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 */
/** Indicates if the call is confidential. */
/**
 * Indicates
 * if the confidentiality of the call is ensured (ex: via SSL).
 *
 * @return True if the confidentiality of the call is ensured (ex: via SSL).
 */
/**
 * Indicates if the confidentiality of the call is ensured (ex: via SSL).
 *
 * @param confidential
 * True if the confidentiality of the call is ensured (ex: via
 * SSL).
 */
```

Found in path(s):

* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/adapter/Call.java

No license file was found, but licenses were detected in source scan.

```
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 *
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*/
/***

* Optimized public-domain implementation of a Java alphanumeric
sort.
* <p>
*

* This implementation uses a single comparison pass over the characters in a
* CharSequence, and returns as soon as a differing character is found, unless
* the difference occurs in a series of numeric characters, in which case that
* series is followed to its end. Numeric series of equal length are compared
* numerically, that is, according to the most significant (leftmost) differing
* digit. Series of unequal length are compared by their length.
* <p>
*

* This implementation appears to be 2-5 times faster than alphanumeric
* comparators based based on substring analysis, with a lighter memory
* footprint.
* <p>
*

* This alphanumeric comparator has approximately 20%-50% the performance of the
* lexical String.compareTo() operation. Character sequences without numeric
* data are compared more quickly.
* <p>
*

* Dedicated to the public domain by the original author:
* <http://creativecommons.org/licenses/publicdomain/>
*

* @author Rob Heittman,

Solertium

* Corporation

*/

Found in path(s):

* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/engine/util/AlphaNumericComparator.java

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*/

/**

* Application service capable of running and scheduling
tasks asynchronously.

* The service instance returned will not invoke the runnable task in the

* current thread.

*

* In addition to allowing pooling, this method will ensure that the threads

* executing the tasks will have the thread local variables copied from the

* calling thread. This will ensure that call to static methods like

* { @link Application#getCurrent() } still work.

*

* Also, note that this executor service will be shared among all Restlets and

* Resources that are part of your context. In general this context corresponds

* to a parent Application's context. If you want to have your own service

* instance, you can use the { @link TaskService#wrap(ScheduledExecutorService) }

* method to ensure that thread local variables are correctly set.

*
* @author Jerome Louvel
* @author Doug Lea (docs of ExecutorService in public domain)
* @author Tim Peierls
*/

Found in path(s):

* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/service/TaskService.java
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*/

/**

* Sets the reference comparator based on the more friendly

"Alphanum

* Algorithm" created by David Koelle. The internal implementation used is

* based on an optimized public domain implementation provided by Rob

* Heittman from the Solertium Corporation.

*

* @see The original

* Alphanum Algorithm from David Koelle

* @see #setComparator(Comparator)

*/

Found in path(s):

* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/resource/Directory.java

No license file was found, but licenses were detected in source scan.

```
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 */
/**
 * Implemented based on the { @link Protocol#isConfidential() }
 * method for the
 * request's protocol returned by { @link #getProtocol() };
 */
```

Found in path(s):

[/opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/Request.java](#)

No license file was found, but licenses were detected in source scan.

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```

```
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*/
/**
 * Indicates if this service is acting in HTTP or HTTPS
mode.
 *
 * @param confidential
 *     True if this service is acting in HTTP or HTTPS mode.
 */
```

Found in path(s):

```
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-
jar/org/restlet/engine/connector/NetServerHelper.java
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```

```
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 */
```

Found in path(s):

```
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-  
jar/org/restlet/engine/adapters/ServerCall.java
```

```
*
```

```
/opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-  
jar/org/restlet/engine/resource/AnnotationUtils.java
```

No license file was found, but licenses were detected in source scan.

```
/**
```

```
* Copyright 2005-2020 Talend
```

```
*
```

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```

```
*
```

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*
```

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*
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*
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```

```
* https://restlet.talend.com/
```

```
*
```

```
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```

```
*/
```

```
/**
```

```
    * Indicates if the message was or will be exchanged  
    confidentially, for
```

```
    * example via a SSL-secured connection.
```

```
    *
```

```
    * @return True if the message is confidential.
```

```
    * @see Request#isConfidential()
```

```
    */
```

Found in path(s):

```
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/resource/Resource.java
```

No license file was found, but licenses were detected in source scan.

```
/**
```

```
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```

```
*
```

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*
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*/
/**

* Indicates if the message was or will be exchanged
confidentially, for
* example via a SSL-secured connection.
*
* @return True if the message is confidential.
*/

Found in path(s):

* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/Message.java
No license file was found, but licenses were detected in source scan.

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 * <https://restlet.talend.com/>
 *
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 */
 /**
 * Resolves a name into a value. By default, the { @link #createResolver(Map)}
 * static method can adapt a Java map into a resolver. Another useful method is
 * { @link #createResolver(Request, Response)}, which can expose a Restlet call
 * into a compact data model, with the following variables:

| Model property | Variable name | Content type |
|--------------------------------------|---------------|----------------------|
| request.confidential | c | boolean (true false) |
| request.clientInfo.address | cia | String |
| request.clientInfo.upstreamAddress | ciua | String |
| request.clientInfo.agent | cig | String |
| request.challengeResponse.identifier | cri | String |
| request.challengeResponse.scheme | crs | String |

```

* <td>request.date</td>
* <td>d</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>request.entity.characterSet</td>
* <td>ecs</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.characterSet</td>
* <td>ECS</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.encoding</td>
* <td>ee</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.encoding</td>
* <td>EE</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.expirationDate</td>
* <td>eed</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>response.entity.expirationDate</td>
* <td>EED</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>request.entity.language</td>
* <td>el</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.language</td>
* <td>EL</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.modificationDate</td>
* <td>emd</td>
* <td>Date (HTTP format)</td>

```

```

* </tr>
* <tr>
* <td>response.entity.modificationDate</td>
* <td>EMD</td>
* <td>Date (HTTP format)</td>
* </tr>
* <tr>
* <td>request.entity.mediaType</td>
* <td>emt</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.mediaType</td>
* <td>EMT</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.entity.size</td>
* <td>es</td>
* <td>Integer</td>
* </tr>
* <tr>
* <td>response.entity.size</td>
* <td>ES</td>
* <td>Integer</td>
* </tr>
* <tr>
* <td>request.entity.tag</td>
* <td>et</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.entity.tag</td>
* <td>ET</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.referrerRef</td>
* <td>f*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>request.hostRef</td>
* <td>h*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>request.method</td>

```

```

* <td>m</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.rootRef</td>
* <td>o*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>request.protocol</td>
* <td>p</td>
* <td>String</td>
* </tr>
* <tr>
* <td>request.resourceRef</td>
* <td>r*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>response.redirectRef</td>
* <td>R*</td>
* <td>Reference (see table below variable name sub-parts)</td>
* </tr>
* <tr>
* <td>response.status</td>
* <td>S</td>
* <td>Integer</td>
* </tr>
* <tr>
* <td>response.serverInfo.address</td>
* <td>SIA</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.serverInfo.agent</td>
* <td>SIG</td>
* <td>String</td>
* </tr>
* <tr>
* <td>response.serverInfo.port</td>
* <td>SIP</td>
* <td>Integer</td>
* </tr>
* </table>
* <br>
*
* Below is the list of name sub-parts, for Reference variables, that can
* replace the asterix in the variable names above:<br>

```

```

* <br>
*
* <table>
* <tr>
* <th>Reference property</th>
* <th>Sub-part name</th>
* <th>Content type</th>
* </tr>
* <tr>
* <td>authority</td>
* <td>a</td>
* <td>String</td>
* </tr>
* <tr>
* <td>baseRef</td>
* <td>b*</td>
* <td>Reference</td>
* </tr>
* <tr>
* <td>targetRef</td>
* <td>t*</td>
* <td>Reference</td>
* </tr>
* <tr>
* <td>relativePart</td>
* <td>e</td>
* <td>String</td>
* </tr>
* <tr>
* <td>fragment</td>
* <td>f</td>
* <td>String</td>
* </tr>
* <tr>
* <td>hostIdentifier</td>
* <td>h</td>
* <td>String</td>
* </tr>
* <tr>
* <td>identifier</td>
* <td>i</td>
* <td>String</td>
* </tr>
* <tr>
* <td>path</td>
* <td>p</td>
* <td>String</td>
* </tr>

```

```

* <tr>
* <td>query</td>
* <td>q</td>
* <td>String</td>
* </tr>
* <tr>
* <td>remainingPart</td>
* <td>r</td>
* <td>String</td>
* </tr>
* </table>
*
* @author Jerome Louvel
*/

```

Found in path(s):

```
* /opt/cola/permits/1122075426_1629910343.42/0/org-restlet-2-4-3-sources-jar/org/restlet/util/Resolver.java
```

1.238 Icms 1.0

1.238.1 Available under license :

Little CMS

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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/toJava/NamespaceSelector.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/castor/CastorEnumTypeSerializer.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/toJava/FactoryProperty.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/castor/CastorEnumTypeSerializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/SimpleListSerializerFactory.java
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jar/org/apache/axis/encoding/ser/ArraySerializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/ArraySerializerFactory.java
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/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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jar/org/apache/axis/encoding/ser/castor/CastorEnumTypeDeserializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/SimpleListDeserializer.java
*

/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/MixedContentType.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/SimpleListDeserializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/AnyContentType.java
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/server/ServletEndpointContext.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/TypeMapping.java
*

/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/Handler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/handler/HandlerChain.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/PlainTextDataSource.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/HexSerializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/InputStreamBody.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/BackslashUtil.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/enum/Style.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/SymTabEntry.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/VectorDeserializerFactory.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDComProvider.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/FactoryFinder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/PlainTextDataHandlerDeserializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/EnumSerializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/handler/soap/SOAPMessageContext.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/configuration/XMLStringProvider.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPPart.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/security/servlet/ServletSecurityProvider.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/constants/Style.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/TypeMappingImpl.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/HexBinary.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/MapDeserializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/ArrayDeserializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/gen/NoopFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/VectorDeserializer.java
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/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/script/BSF.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/NonPositiveInteger.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/uuid/UUIDGenFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/MapDeserializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/session/SimpleSession.java
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 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/local/LocalResponder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/JAXRPCHandler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/JAFDataHandlerDeserializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/encoding/AbstractXMLEncoder.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/Token.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/CollectionTE.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/security/simple/SimpleSecurityProvider.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/holders/LongHolder.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/UnsignedByte.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/TimeSerializer.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/mail/MailConstants.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/encoding/Deserializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/SerializationContext.java
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 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/SimpleSessionHandler.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/AxisHttpSession.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/DeserializerImpl.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/providers/ComProvider.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/Version.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/cache/JavaClass.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/local/LocalTransport.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/Detail.java
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 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/server/ParamList.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDJavaRPCProvider.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/holders/CalendarHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/compiler/AbstractCompiler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/handler/HandlerInfo.java
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 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/AxisServiceConfig.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/MimeMultipartHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/BoundaryDelimitedStream.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/session/Session.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utills/cache/MethodCache.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPException.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utills/Options.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/EnumDeserializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/Attachments.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/HandlerInfoChainFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/BindingEntry.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/async/Status.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/NegativeInteger.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/EnumDeserializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/DimeBodyPart.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/Stub.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utills/IDKey.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/ElementSerializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/DocumentDeserializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/constants/Use.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/HexSerializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/holders/FloatWrapperHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utills/BeanUtils.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/schema/SchemaVersion2000.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/ManagedMemoryDataSource.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/i18n/MessageBundle.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/collections/LRUMap.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/CalendarSerializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/compiler/Jikes.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/holders/DoubleHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/net/BooleanHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-

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jar/org/apache/axis/wsdl/symbolTable/ContainedAttribute.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/NodeImpl.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPConstants.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/Base64DeserializerFactory.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Schema.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/Admin.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/PositiveInteger.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/deployment/wsdd/WSDDProvider.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/Base64.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/SOAPPart.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/javax/xml/rpc/holders/BigIntegerHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/FactoryFinder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/symbolTable/UndefinedType.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/holders/BooleanHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/deployment/wsdd/providers/WSDDBsfProvider.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/fromJava/Namespace.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/UnsignedInt.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/async/AsyncCall.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/NodeListImpl.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/uuid/SimpleUUIDGen.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/ServiceFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/SerializerFactory.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPFaultElement.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/QNameSerializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/utils/DefaultEntityResolver.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/Service.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/TypeMappingRegistryImpl.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/net/SunFakeTrustSocketFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/local/Handler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/compiler/Compiler.java
*

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/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/transport/mail/MailTransport.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPMessage.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/transport/http/SocketInputStream.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/Text.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/deployment/wsdd/WSDDRequestFlow.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/encoding/Serializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/Call.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/wsdl/symbolTable/BaseType.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/handler/Handler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/components/net/IBMJSSESocketFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/components/image/MerlinIO.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/wsdl/toJava/JavaServiceImplWriter.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/wsdl/toJava/JavaDefinitionWriter.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/holders/FloatHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/Stub.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utills/WSDLUtils.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/NCName.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPFault.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/components/encoding/EncodedByteArray.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/message/NamedNodeMapImpl.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/encoding/ser/SimpleDeserializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/message/SAX2EventRecorder.java
 *

/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/NonNegativeInteger.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/schema/SchemaVersion1999.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/DateSerializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/DateDeserializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/UnsignedShort.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/JAFDataHandlerSerializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/SkeletonImpl.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/QSMethodHandler.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/async/AsyncResult.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/ElementDeserializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/SimpleAxisWorker.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/http/HTTPAuthHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/EnvelopeHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/soap/SOAPFaultException.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/i18n/Messages.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/description/ParameterDesc.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/TypeEntry.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/CalendarDeserializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/providers/BasicProvider.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/image/JDK13IO.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ConstructorTarget.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/FilterPrintWriter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/OctetStream.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-

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jar/org/apache/axis/encoding/ser/DateSerializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/DateDeserializerFactory.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/message/SOAPEnvelope.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/SimpleSerializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/TimeDeserializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/messaging/Endpoint.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/ArrayUtil.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/MessageFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/message/SOAPFaultDetailsBuilder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/handlers/DebugHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/deployment/wsdd/WSDTransport.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/message/MessageWithAttachments.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/symbolTable/Undefined.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/net/DefaultHTTPSTransportClientProperties.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/security/AuthenticatedUser.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/MimeUtils.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/Emitter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/QNameSerializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/ServiceException.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/deployment/wsdd/WSDDElement.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/toJava/JavaTypeWriter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/fromJava/Emitter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/ImageDataHandlerSerializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/toJava/JavaHolderWriter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/uuid/FastUUIDGen.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/attachments/DynamicContentDataHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-

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jar/org/apache/axis/deployment/wsdd/WSDDGlobalConfiguration.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPHeader.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/deployment/wsdd/WSDDJAXRPCHandlerInfo.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/toJava/JavaClassWriter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/DetailEntry.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/PlainTextDataHandlerSerializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/server/ServiceLifecycle.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/schema/SchemaVersion.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/MethodTarget.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/gen/WSDL2.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/attachments/DimeMultiPart.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/http/CommonsHTTPSender.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/XMLType.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/symbolTable/CollectionType.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/deployment/wsdd/WSDDResponseFlow.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/symbolTable/PortEntry.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/NoEndPointException.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/MessageContext.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/AxisFault.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/providers/BSFProvider.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/BasicHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/LogHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/attachments/DimeDelimitedInputStream.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/deployment/wsdd/WSDDTypeMappingContainer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/mail/MailServer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/IDRefs.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/Call.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/utils/FieldPropertyDescriptor.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/attachments/MultiPartDimeInputStream.java

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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/DefinedElement.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPConnectionFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/SimpleType.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/SOAPFault.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/MimeHeader.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/PrefixedQName.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/SAXOutputter.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDJavaEJBProvider.java
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 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/Parameters.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDDeployableItem.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/http/URLMapper.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/NSStack.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/providers/WSDDHandlerProvider.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/holders/QNameHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/DimeTypeNameFormat.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/http/HTTPActionHandler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/DefinedType.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/handler/GenericHandler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/AbstractQueryStringHandler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/attachments/MimeMultipartDataSource.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/Serializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaStubWriter.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utis/tcpmon.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/Java2WSDL.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/ParameterMode.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/encoding/ser/castor/CastorDeserializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utis/DOM2Writer.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/BodyBuilder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/providers/java/JavaProvider.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaTestCaseWriter.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/TimeDeserializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/SimpleChain.java
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 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Language.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/encoding/DefaultXMLEncoder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/i18n/ProjectResourceBundle.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/SymbolTable.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/SourceHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/providers/java/EJBProvider.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/DuplicateFileException.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/holders/BigDecimalHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/InternalException.java
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 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/description/FaultDesc.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/MessageEntry.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/IDResolver.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/ChunkedInputStream.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/uuid/UUIDGen.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/mail/Handler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/UndefinedElement.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/SimpleTargetedChain.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/Skeleton.java
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 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/HexDeserializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/JavaUtils.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/handlers/EchoHandler.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/ArrayDeserializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/DefaultTypeMappingImpl.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-

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jar/javax/xml/rpc/encoding/SerializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/image/ImageIOFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/configuration/DirProvider.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/wsdl/toJava/JavaBindingWriter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/attachments/MultiPartInputStream.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utills/ClassUtils.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Entity.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/soap/SOAPFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/enum/Use.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/holders/DataHandlerHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utills/StringUtils.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/http/QSHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/javax/xml/rpc/holders/ShortWrapperHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/AdminClient.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/DocumentSerializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/rpc/encoding/TypeMapping.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/SOAPHandler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/net/SunJSSESocketFactory.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/http/NonBlockingBufferedInputStream.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/java/Handler.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/ImageDataHandlerDeserializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-

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jar/org/apache/axis/components/compiler/CompilerError.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/Chain.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/monitor/SOAPMonitorService.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Token.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDOperation.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/javax/xml/namespace/QName.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/providers/java/RMIPProvider.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/HTTPTransport.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDTargetedChain.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/providers/java/CORBAProvider.java
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 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/RPCParam.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/strategies/InvocationStrategy.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/urls/URLHashSet.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Entities.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/MapSerializer.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/net/JSSocketFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/Deserializer.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaFaultWriter.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-

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jar/org/apache/axis/wsdl/symbolTable/UndefinedDelegate.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/ImageHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/server/AxisServer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/Target.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/attachments/MultiPartRelatedInputStream.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
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jar/org/apache/axis/wsdl/symbolTable/PortTypeEntry.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/utils/BeanPropertyDescriptor.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/DefaultJAXRPC11TypeMappingImpl.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/constants/Scope.java
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jar/org/apache/axis/encoding/ser/QNameDeserializerFactory.java
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jar/org/apache/axis/encoding/DefaultSOAPEncodingTypeMappingImpl.java
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jar/org/apache/axis/encoding/ser/DocumentSerializer.java
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/MessageElement.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/Utils.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/AxisClient.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/AxisServlet.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utis/XMLUtils.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaBuildFileWriter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utis/ByteArray.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/DeserializationContext.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/toJava/JavaGeneratorFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/gen/Parser.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/symbolTable/SchemaUtils.java
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Found in path(s):

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/jmx/DeploymentQuery.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/jmx/WSDDServiceWrapper.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/jmx/DeploymentAdministrator.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/jmx/WSDDTransportWrapper.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/jmx/DeploymentQueryMBean.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/jmx/DeploymentAdministratorMBean.java

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 * XmlBeanSerializerFactory.java
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Found in path(s):

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*/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/xbeans/XmlBeanSerializerFactory.java
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/xbeans/XmlBeanDeserializerFactory.java

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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/client/HappyClient.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/AxisHTTPSessionListener.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/ServiceAdmin.java

*

/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/jmx/ServiceAdministratorMBean.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/Registrar.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/AutoRegisterServlet.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/management/jmx/ServiceAdministrator.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/ByteArrayOutputStream.java

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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utis/SOAPMonitor.java
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/BeanDeserialzer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/wsdl/fromJava/Types.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/deployment/wsdd/WSDDJAXRPCHandlerInfoChain.java
*
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utis/cache/ClassCache.java
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* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSTransport.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/jms/JMSConnectorFactory.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/jms/JMSVendorAdapterFactory.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/jms/MapUtils.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/jms/SimpleJMSListener.java

*

/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/jms/SonicMQVendorAdapter.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-

jar/org/apache/axis/transport/jms/JMSURLConnection.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/jms/JNDIVendorAdapter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/jms/JMSConnector.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/jms/TopicConnector.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/jms/JMSVendorAdapter.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/jms/JMSEndpoint.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/jms/JMSConstants.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/jms/QueueConnector.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/jms/Subscription.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/transport/jms/SimpleJMSWorker.java
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jar/org/apache/axis/deployment/wsdd/WSDDNonFatalException.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/SimpleValueSerializer.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/description/ServiceDesc.java
*

/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/holders/UnsignedByteHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/utils/bytecode/ChainedParamReader.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/soap/SOAPConnectionImpl.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/holders/DurationHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/JWSClassLoader.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/description/OperationDesc.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/WSDDEngineConfiguration.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/configuration/EngineConfigurationFactoryFinder.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/components/net/SecureSocketFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/URIHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/holders/YearMonthHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/description/JavaServiceDesc.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/TimeHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/encoding/ser/castor/CastorSerializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/TokenHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/holders/UnsignedLongHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/components/net/SocketFactory.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/transport/http/ServletEndpointContextImpl.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Year.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/configuration/EngineConfigurationFactoryDefault.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/configuration/ServletEngineConfigurationFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/components/net/CommonsHTTPClientPropertiesFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/SOAPHeader.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/Detail.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/message/SOAPFaultElement.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
 jar/org/apache/axis/description/AttributeDesc.java

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/MonthHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/NonNegativeIntegerHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/configuration/BasicClientConfig.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/YearHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/DateHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/PositiveIntegerHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/AxisServiceConfigImpl.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/deployment/wsdd/WSDDFault.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/description/FieldDesc.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/MonthDay.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/collections/SequencedHashMap.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/components/net/SocketFactoryFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/configuration/EngineConfigurationFactoryServlet.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/soap/SOAPConnectionFactoryImpl.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/SimpleSerializerFactory.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/soap/SOAPConstants.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/Text.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/EngineConfiguration.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/DayHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/OctetStreamHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/MonthDayHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/Utils/SessionUtils.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/ConfigurationException.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/UnsignedShortHolder.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/holders/HexBinaryHolder.java
 *
 /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/soap/SOAP11Constants.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/transport/http/AxisServletBase.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/SOAPBody.java
 * /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-

```

jar/org/apache/axis/holders/NonPositiveIntegerHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/soap/SOAP12Constants.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/holders/NegativeIntegerHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/message/SOAPFaultReasonBuilder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/soap/MessageFactoryImpl.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/soap/SOAPFactoryImpl.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Month.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/encoding/ser/castor/CastorDeserializerFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/utils/bytecode/ClassReader.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/holders/UnsignedIntHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/holders/NormalizedStringHolder.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/YearMonth.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/utils/bytecode/ParamReader.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/configuration/BasicServerConfig.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/components/net/TransportClientPropertiesFactory.java
*
/opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Day.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/description/TypeDesc.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/types/Time.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/EngineConfigurationFactory.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/description/ElementDesc.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/message/DetailEntry.java
* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-
jar/org/apache/axis/configuration/DefaultEngineConfigurationFactory.java
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```

```

/*
* XmlBeanSerializer.java
*
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*
* Original author: Jonathan Colwell
*/

Found in path(s):

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/encoding/ser/xbeans/XmlBeanSerializer.java
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* ClasspathUtils.java
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Found in path(s):

* /opt/cola/permits/1122085880_1611198607.29/0/axis-1-4-sources-jar/org/apache/axis/utils/ClasspathUtils.java

1.241 free-type 1.0

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2006-Jan-27

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.gitignore

#

builds/unix/pkg.m4

#

docs/FTL.TXT

docs/GPLv2.TXT

#

include/freetype/internal/fthash.h

```
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdflib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/zip/adler32.c
src/zip/infblock.c
src/zip/infblock.h
src/zip/infcodes.c
src/zip/infcodes.h
src/zip/inffixed.h
src/zip/inflate.c
src/zip/inftrees.c
src/zip/inftrees.h
src/zip/infutil.c
src/zip/infutil.h
src/zip/zconf.h
src/zip/zlib.h
src/zip/zutil.c
src/zip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
#
```

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1.245 curl 7.61.0

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```
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```

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```
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1.249 unzip 6.0

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FIRST NOTE:

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Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding in an apparatus that performs LZW encoding, but the patent appears to exempt a stand-

alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program. For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

```
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*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
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- * MacBinaryIII.h
- *
- * Copyright 1997 Christopher Evans (cevens@poppybank.com)
- *
- * Basic encoding and decoding of Macintosh files to the
- * MacBinary III spec.
- * -----
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- * (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
- * homepage of Leonard Rosenthol leonardr@netcom.com)

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-

May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS),
71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that
he has no objection to the Info-ZIP group's inclusion of his code.
His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten
and by default
no longer contains any of Mr. Smith's code, Info-ZIP
remains indebted and grateful to him. We hope he finds our contribu-
tions as useful as we have his.

Note that the third and fourth stipulations still apply to any com-
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The remaining code was written by many people associated with the
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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch],
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1.250 restlet 2.4.3

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1.251 openjdk 1.8.0u252

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```
...
```

```
## zlib v1.2.11
```

```
### zlib License
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Harfbuzz v2.7.2

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*

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*

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*

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	GL/wglxt.h	Khronos
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include/GL/gl.h :

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1.252 unzip 6.0-19.e17

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FIRST NOTE:

This file contains some details about the copyright history of contributions to the UnZip project. Additionally, it summarises some exceptions to the general BSD-like copyright found in LICENSE that covers our generic code and most of the system specific ports. Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware): Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding _in an apparatus that performs LZW encoding_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip

5.42, the complete

core code is now covered by the Info-ZIP Licence. Therefore, support for the reduce method has been removed.

The drop of the reduce method should only affect some test archives, reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

The following copyright applies to the Mac OS File Manager interface code (macos/source/macstuff.[ch]), distributed with UnZip 5.4 and later:

* MoreFiles

*

* A collection of File Manager and related routines

*

* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)

* with significant code contributions by Nitin Ganatra

* (Apple Macintosh Developer Technical Support Emeritus)

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*
* Copyright 1997 Christopher Evans (cevens@poppybank.com)
*
* Basic encoding and decoding of Macintosh files to the
* MacBinary III spec.
* -----
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* homepage of Leonard Rosenthol leonardr@netcom.com)

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

Despite the fact that our "normal" code has been entirely rewritten and by default no longer contains any of Mr. Smith's code, Info-ZIP remains indebted and grateful to him. We hope he finds our contributions as useful as we have his.

Note that the third and fourth stipulations still apply to any company that wishes to incorporate the unreduce code into its products; if you wish to do so, you must contact Mr. Smith directly regarding licensing.

The following copyright applied to most of the VMS code in vms.c, distributed with UnZip version 4.2 and later:

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- * Miller. The product "Pocket UnZip" itself is property of the
- * author and cannot be altered in any way without written consent
- * from Steve P. Miller.

The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

1.253 asm 5.0.3

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Found in path(s):

* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/TypePath.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/TypeReference.java

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*/

/**

* Creates a new { @link AnalyzerAdapter}. *Subclasses must not use this
* constructor*. Instead, they must use the
* { @link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.

*

* @param owner

*

the owner's class name.

* @param access

* the method's access flags (see { @link Opcodes}).

* @param name

* the method's name.

* @param desc

* the method's descriptor (see { @link Type Type}).

* @param mv

* the method visitor to which this adapter delegates calls. May

* be `null`.

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

Found in path(s):

* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/AnalyzerAdapter.java

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*/
/**
 * Creates a new {@link GeneratorAdapter}. Subclasses must not use this
 * constructor. Instead, they must use the
 * {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 *
 * @param mv
 *         the
method visitor to which this adapter delegates calls.
 * @param access
 *         the method's access flags (see {@link Opcodes}).
 * @param name
 *         the method's name.
 * @param desc
 *         the method's descriptor (see {@link Type Type}).
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/GeneratorAdapter.java

```

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*/

/**

* Constructs a new {@link LocalVariableAnnotationNode}. *Subclasses must*
* not use this constructor. Instead, they must use the
* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
* version.
*

* @param typeRef
* a reference to the annotated type. See {@link TypeReference}.
* @param typePath
* the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within 'typeRef'. May be
* `null` if the annotation targets 'typeRef' as a whole.
* @param start
* the first instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).

```
* @param end
*     the last instructions corresponding to the continuous ranges
*     that make the scope of this local variable (exclusive). This
*     array must have the same size as the 'start' array.
* @param index
*     the local variable's index in each range. This array must have
*     the same size as the 'start' array.
* @param desc
*     the class descriptor of
the annotation class.
*/
```

Found in path(s):

```
*/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java
```

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```

```
*/
```

```
/**
```

```

* Creates a new JSRInliner. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* {@link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}
* version.
*
* @param mv
*
the <code>MethodVisitor</code> to send the resulting inlined
*     method code to (use <code>>null</code> for none).
* @param access
*     the method's access flags (see {@link Opcodes}). This
*     parameter also indicates if the method is synthetic and/or
*     deprecated.
* @param name
*     the method's name.
* @param desc
*     the method's descriptor (see {@link Type}).
* @param signature
*     the method's signature. May be <tt>>null</tt>.
* @param exceptions
*     the internal names of the method's exception classes (see
*     {@link Type#getInternalName() getInternalName}). May be
*     <tt>>null</tt>.
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/

```

Found in path(s):

```

* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

```

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/package.html

* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/package.html

* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-

jar/org/objectweb/asm/signature/package.html

*

/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-

jar/org/objectweb/asm/tree/analysis/package.html

* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-

jar/org/objectweb/asm/commons/package.html

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*/

/**

* Constructs a new {@link ClassNode}. *Subclasses must not use this*

* constructor*.* Instead, they must use the {@link #ClassNode(int)}

* version.

*

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/ClassNode.java
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/**

* Constructs a new {@link Textifier}. *Subclasses must not use this*

* constructor*.* Instead, they must use the {@link #Textifier(int)}

* version.

*

* @throws IllegalStateException

* If a subclass calls this constructor.

*/

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/Textifier.java

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/Processor.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/xml/SAXClassAdapter.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/xml/SAXAdapter.java
 *
 /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/xml/SAXCodeAdapter.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/xml/ASMContentHandler.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/xml/SAXFieldAdapter.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Label.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Item.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/Frame.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/BasicValue.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/ClassVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/VarInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/AnnotationNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/TypeInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Edge.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/Method.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/MethodNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/LocalVariableNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
```

```

jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Frame.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/ParameterNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/InnerClassNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/InvokeDynamicInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/TableSwitchInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/RemappingClassAdapter.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/optimizer/Shrinker.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/TryCatchBlockNode.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/util/CheckMethodAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Context.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-

```

```

jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/SmallSet.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/optimizer/Constant.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/MethodWriter.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Type.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/InsnList.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/optimizer/MethodOptimizer.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/InsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/util/CheckClassAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Handler.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/util/CheckFieldAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/analysis/Analyzer.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/FieldVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/FieldNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/LineNumberNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/SerialVersionUIDAdder.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/util/TraceSignatureVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/AnnotationWriter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/util/TraceClassVisitor.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
*
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/commons/SimpleRemapper.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-

```

jar/org/objectweb/asm/optimizer/ConstantPool.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/commons/TableSwitchGenerator.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/signature/SignatureVisitor.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/tree/AbstractInsnNode.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
 *
 /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/tree/analysis/BasicInterpreter.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/util/CheckSignatureAdapter.java
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 jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Handle.java
 *
 /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/commons/AdviceAdapter.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Attribute.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Opcodes.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/util/TraceFieldVisitor.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/ASMifier.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/Printer.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/optimizer/NameMapping.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/commons/RemappingAnnotationAdapter.java
 *
 /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/tree/FieldInsnNode.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/tree/JumpInsnNode.java
 * /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-
 jar/org/objectweb/asm/commons/InstructionAdapter.java

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Found in path(s):

```
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-  
jar/org/objectweb/asm/optimizer/shrink.properties  
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-  
writer.properties  
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-  
resize.properties  
*  
/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-  
signatures.properties  
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-  
annotations.properties  
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-  
frames.properties
```

1.254 sysv-init 2.88

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- * in C (faster - it is executed many times during system startup).
- *
- * Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
- * public domain.

1.255 shared-mime-info 1.1

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1.256 acl 2.2.52

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1.257 libaio 0.3.111

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xwd v1.0.7

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Mesa 3-D Graphics Library v19.2.1

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include/GL/gl.h :

Mesa 3-D
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1.260 pciutils 3.5.1-3.el7

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```
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```

```
<signature of Ty Coon>, 1 April 1989
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1.264 rng-tools 6.11

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1.267 heimdal 1.0.1

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```

```
@vskip 20pt plus 1fil
```

```
@end macro
```

```
@macro copyrightstart{ }
```

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@end macro
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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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lib/hcrypto/test_dh.c

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1.271 pciutils 3.6.2

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1.273 cryptography 2.3

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1.274 pycparser 2.18-1.ph3

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```

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zip/usr/lib/python3.7/site-packages/pycparser/c_ast.py  
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zip/usr/lib/python3.7/site-packages/pycparser/ply/cpp.py
```

1.275 kerberos 1.16.1

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```
/* -*- mode: c; c-basic-offset: 4; indent-tabs-mode: nil -*- */  
/* tests/shlib/t_loader.c */  
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lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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"src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
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lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation,
including
the following new or changed files:

include/ipropr_hdr.h
kadmin/server/ipropr_svc.c
lib/kdb/ipropr.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
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1.276 libpciaccess 0.14

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1.277 talloc 2.1.14

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C utilities for the pytalloc test suite.

Provides the "_test_pytalloc" Python module.

NOTE: Please read talloc_guide.txt for full documentation

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1.279 tdb 2007-06-22

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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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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.

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1.282 jaxen 62

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* /opt/cola/permits/1150919628_1654022930.91118/0/mimepull-1-8-sources-2-
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* /opt/cola/permits/1150919628_1654022930.91118/0/mimepull-1-8-sources-2-
jar/org/jvnet/mimepull/MIMEConfig.java

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jar/org/jvnet/mimepull/MIMEPart.java
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jar/org/jvnet/mimepull/ChunkInputStream.java
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1.290 six 1.11.0-3.ph3

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1.291 cffi 1.11.5

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1.292 python3-asn1crypto 0.24.0-1.ph3

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1.293 python-pip 9.0.3

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1.294 python-pip 19.0.3

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Any executables

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

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

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

All Python releases are Open Source (see <http://www.opensource.org> for
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releases have also been GPL-compatible; the table below summarizes
the various releases.

Release	Derived	Year	Owner	GPL-
	from			compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes

1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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

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

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

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
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2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
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2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore
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an Apache+mod_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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PLY (Python Lex-Yacc) Version 3.11

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Introduction

=====

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc.
If you know how to use these tools in C, you will find PLY to be similar.
- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.
- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.
- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.
- PLY uses Python introspection features to build lexers and parsers.

This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use

=====

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

```
import lex
import yacc
```

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements

=====

PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources

=====

More information about PLY can be obtained on the PLY webpage at:

<http://www.dabeaz.com/ply>

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:

<https://github.com/dabeaz/ply>

An old and relatively inactive discussion group for PLY is found at:

<http://groups.google.com/group/ply-hack>

Acknowledgments

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A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0

=====

PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example

=====

Here is a simple example showing a PLY implementation of a calculator with variables.

```
# -----  
# calc.py  
#
```

```

# A simple calculator with variables.
# -----

tokens = (
    'NAME','NUMBER',
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
    'LPAREN','RPAREN',
)

# Tokens

t_PLUS = r\+'
t_MINUS = r\-'
t_TIMES = r\*'
t_DIVIDE = r\/'
t_EQUALS = r\='
t_LPAREN = r\( '
t_RPAREN = r\) '
t_NAME = r'[a-zA-Z_][a-zA-Z0-9_]*'

def t_NUMBER(t):
    r\d+'
    t.value = int(t.value)
    return t

# Ignored characters
t_ignore = " \t"

def t_newline(t):
    r\n+'
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)

# Build the lexer
import ply.lex as lex
lex.lex()

# Precedence
rules for the arithmetic operators
precedence = (
    ('left','PLUS','MINUS'),
    ('left','TIMES','DIVIDE'),
    ('right','UMINUS'),
)

```

```

# dictionary of names (for storing variables)
names = { }

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    "expression : expression PLUS expression
    | expression MINUS expression
    | expression TIMES expression
    | expression DIVIDE expression"
    if p[2] == '+': p[0] = p[1] + p[3]
    elif p[2] == '-': p[0] = p[1] - p[3]
    elif p[2] == '*': p[0] = p[1] * p[3]
    elif p[2] == '/': p[0] = p[1] / p[3]

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN
expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'" % p[1])
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

```

```
while True:
    try:
        s = raw_input('calc > ') # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)
```

Bug Reports and Patches

=====

My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. Please visit the PLY github page at <https://github.com/dabeaz/ply> to submit issues and pull requests. To contact me about bugs and/or new features, please send email to dave@dabeaz.com.

-- Dave

Found in path(s):

```
* /opt/cola/permits/1160874329_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/README.md
```

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Found in path(s):

```
* /opt/cola/permits/1160874329_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/ply/cpp.py
```

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```
* /opt/cola/permits/1160874329_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/ply/lex.py
```

```
* /opt/cola/permits/1160874329_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/ply/yacc.py
```

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Found in path(s):

* /opt/cola/permits/1160874329_1620411264.5/0/dabeaz-ply-3-11-0-g0f398b7-1-tar-gz/dabeaz-ply-0f398b7/example/GardenSnake/GardenSnake.py

1.296 urllib3 1.23

1.296.1 Available under license :

Contributions to the urllib3 project

Creator & Maintainer

* Andrey Petrov <andrey.petrov@shazow.net>

Contributors

In chronological order:

* victor.vde <<http://code.google.com/u/victor.vde/>>

* HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>

* NTLM-authenticated HTTPSConnectionPool

* Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>

* Client-verified SSL certificates for HTTPSConnectionPool

* Response gzip and deflate encoding support

* Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>

* Non-multipart encoding for POST requests

* p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>

* Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>

* Bugfixes, suggestions, Requests integration

* georgemarshall <<http://github.com/georgemarshall>>

* Bugfixes, Improvements and Test coverage

- *
Thomas Kluyver <thomas@kluyver.me.uk>
 - * Python 3 support

- * brandon-rhodes <<http://rhodesmill.org/brandon>>
 - * Design review, bugfixes, test coverage.

- * studer <theo.studer@gmail.com>
 - * IPv6 url support and test coverage

- * Shivaram Lingamneni <slingamn@cs.stanford.edu>
 - * Support for explicitly closing pooled connections

- * hartator <hartator@gmail.com>
 - * Corrected multipart behavior for params

- * Thomas Weischuh <thomas@t-8ch.de>
 - * Support for TLS SNI
 - * API unification of ssl_version/cert_reqs
 - * SSL fingerprint and alternative hostname verification
 - * Bugfixes in testsuite

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

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

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

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

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

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

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

- * Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>

- * Added HTTPS (CONNECT) proxy support

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- * Evgeny Kapun <abacabadabacaba@gmail.com>
 - * Bugfixes

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

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

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

- * Tomas Tomecek <ttomecek@redhat.com>
 - * Implemented generator for getting chunks from chunked responses.

- * tlynn <https://github.com/tlynn>
 - * Respect the warning preferences at import.

- * David D. Riddle <ddriddle@illinois.edu>
 - * IPv6 bugfixes in testsuite

- * Jon Wayne Parrott <jonwayne@google.com>
 - * App Engine environment tests.

- * John Krauss <https://github.com/talos>
 - * Clues to debugging problems with ``cryptography`` dependency in docs

- * Disassem <https://github.com/Disassem>
 - * Fix pool-default headers not applying for url-encoded requests like GET.

- * James Atherfold <jlatherfold@hotmail.com>
 - * Bugfixes relating to cleanup of connections during errors.

- * Christian Pedersen <https://github.com/chripede>
 - * IPv6 HTTPS proxy bugfix

- * Jordan Moldow <https://github.com/jmoldow>
 - * Fix low-level exceptions leaking from ```HTTPResponse.stream()```.
 - * Bugfix for ```ConnectionPool.urlopen(release_conn=False)```.
 - * Creation of ```HTTPConnectionPool.ResponseCls```.

- * Predrag Gruevski <https://github.com/obi1kenobi>
 - * Made cert digest comparison use a constant-time algorithm.

- * Adam Talsma <<https://github.com/a-tal>>
- * Bugfix to ca_cert file paths.

- * Evan Meagher <<https://evanmeagher.net>>
- * Bugfix related to `memoryview` usage in PyOpenSSL adapter

- * John Vandenberg <jayvdb@gmail.com>
- * Python 2.6 fixes; pyflakes and pep8 compliance

- * Andy Caldwell <andy.m.caldwell@gmail.com>
- * Bugfix related to reusing connections in indeterminate states.

- * Ville Skytt <ville.skytta@iki.fi>
- * Logging efficiency improvements, spelling fixes, Travis config.

- * Shige Takeda <smtakeda@gmail.com>
- * Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

- * Jesse Shapiro <jesse@jesseshapiro.net>
- * Various character-encoding fixes/tweaks
- * Disabling IPv6 DNS when IPv6 connections not supported

- * David Foster <<http://dafoster.net/>>
- * Ensure order of request and response headers are preserved.

- * Jeremy Cline <jeremy@jcline.org>
- * Added connection pool keys by scheme

- * Aviv Palivoda <palaviv@gmail.com>
- * History list to Retry object.
- * HTTPResponse contains the last Retry object.

- * Nate Prewitt <nate.prewitt@gmail.com>
- * Ensure timeouts are not booleans and greater than zero.
- * Fixed infinite loop in ``stream`` when amt=None.
- * Added length_remaining to determine remaining data to be read.
- * Added enforce_content_length to raise exception when incorrect content-length received.

- * Seth Michael Larson <sethmichaellarson@protonmail.com>
- * Created selectors backport that supports PEP 475.

- * Alexandre Dias <alex.dias@smarkets.com>
- * Don't retry on timeout if method not in whitelist

- * Moinuddin Quadri <moin18@gmail.com>
- * Lazily load idna package

- * Tom White <s6yg1ez3@mail2tor.com>
- * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- * Tim Burke <tim.burke@gmail.com>
- * Stop buffering entire deflate-encoded responses.

- * Tuukka Mustonen <tuukka.mustonen@gmail.com>
- * Add counter for status_forcelist retries.

- * Erik Rose <erik@mozilla.com>
- * Bugfix to pyopenssl vendoring

- * Wolfgang Richter <wolfgang.richter@gmail.com>
- * Bugfix related to loading full certificate chains with PyOpenSSL backend.

- * Mike Miller <github@mikeage.net>
- * Logging improvements to include the HTTP(S) port when opening a new connection

- * Ioannis Tziakos <mail@itziakos.gr>
- * Fix ``util.selectors._fileobj_to_fd`` to accept ``long``.
- * Update appveyor tox setup to use the 64bit python.

- * Akamai (through Jesse Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance

- * Dominique Leuenberger <dimstar@opensuse.org>
- * Minor fixes in the test suite

- * Will Bond <will@wbond.net>
- * Add Python 2.6 support to ``contrib.securetransport``

- * Aleksei Alekseev <alekseev.yeskela@gmail.com>
- * using auth info for socks proxy

- * Chris Wilcox <git@crwilcox.com>
- * Improve contribution guide
- * Add ``HTTPResponse.geturl`` method to provide ``urllib2.urlopen().geturl()`` behavior

* [Your name or handle] <[email or website]>

* [Brief summary of your changes]

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1.297 python-requests 2.19.1

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1.298 ip-address 1.0.22-2.ph3

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1.299 python-pip 18.0

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The argparse module was contributed to Python as of Python 2.7 and thus was licensed under the Python license. Same license applies to all files in the argparse package project.

For details about the Python License, please see `doc/Python-License.txt`.

History

Before (and including) argparse 1.1, the argparse package was licensed under Apache License v2.0.

After argparse 1.1, all project files from the argparse project were deleted due to license compatibility issues between Apache License 2.0 and GNU GPL v2.

The project repository then had a clean start with some files taken from Python 2.7.1, so definitely all files are under Python License now.

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List of Contributors

=====

The below-signed are contributors to a code repository that is part of the project named "Translationstring". Each below-signed contributor has read, understands and agrees to the terms above in the section within this document entitled "Pylons Project Contributor Agreement" as of the date beside his or her name.

Contributors

- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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A. HISTORY OF THE SOFTWARE

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope

Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
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
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes

2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

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* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/pyasn1/codec/native/decoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/ber/__main__.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/tests/codec/ber/test_decoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_constraint.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_opentype.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/test_octets.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/opentype.py

*

/opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/tests/codec/native/test_encoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/tests/codec/native/__main__.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/tests/codec/cer/test_encoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/char.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/der/__main__.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/codec/ber/eoo.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_tag.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/tests/codec/cer/test_decoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/tests/codec/der/test_decoder.py

*

/opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/test_debug.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/codec/cer/encoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/tests/codec/ber/test_encoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/test_integer.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-

0.4.4/tests/codec/native/test_decoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/setup.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/octets.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/codec/cer/decoder.py

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_useful.py

```

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/binary.py
*
/opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/__main__.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/univ.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/base.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/codec/der/encoder.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/cer/__main__.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/tagmap.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/calling.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/__main__.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/namedval.py
*
/opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/compat/test_binary.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/compat/dateandtime.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/error.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/constraint.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/codec/__main__.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/string.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/debug.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/codec/der/decoder.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/useful.py
*
/opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/error.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/codec/native/encoder.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/__main__.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_namedtype.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_char.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/tests/codec/der/test_encoder.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_namedval.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-
0.4.4/pyasn1/codec/ber/decoder.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/compat/integer.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/tag.py
*
/opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/pyasn1/type/namedtype.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/base.py
* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/tests/type/test_univ.py
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```

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Found in path(s):

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/LICENSE.rst
No license file was found, but licenses were detected in source scan.

ASN.1 library for Python

[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
[![Python Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/)
[![Build status](https://travis-ci.org/etingof/pyasn1.svg?branch=master)](https://secure.travis-ci.org/etingof/pyasn1)
[![Coverage Status](https://img.shields.io/codecov/c/github/etingof/pyasn1.svg)](https://codecov.io/github/etingof/pyasn1)
[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/etingof/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features

*

Generic implementation of ASN.1 types (X.208)

- * Standards compliant BER/CER/DER codecs
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 2.4 up to Python 3.7
- * MT-safe
- * Contributed ASN.1 compiler [Asn1ate](<https://github.com/kimgr/asn1ate>)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)

by

Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures.

For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```

```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
 DefaultedNamedType(
 'house',
 Integer(0).subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
```

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
0000: 30 07 02 01 7B 80 02 01 41
```

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify,

encode and send back.

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```
```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id':
123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and

Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/etingof/pyasn1-modules).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely available as a GitHub [repo](https://github.com/etingof/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If

something does not work as expected, [open an issue](https://github.com/etingof/pyasn1/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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Found in path(s):

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/README.md
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ASN.1 library for Python

=====

```
.. toctree::  
    :maxdepth: 1
```

Abstract Syntax Notation One (ASN.1

<http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x>_) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` <<https://pypi.org/project/pyasn1/>>_ library implements ASN.1 support in pure-Python.

What is ASN.1

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and became a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions <<https://news.ycombinator.com/item?id=8871453>> on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's ProtoBuffers <<https://developers.google.com/protocol-buffers/>> or FlatBuffers <<https://google.github.io/flatbuffers/>>, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- * Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.
- * Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.
- * Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- * Signaling standards for the public switched telephone network (SS7 family)

- * Network management standards (SNMP, CMIP)
- * Directory standards (X.500 family, LDAP)
- * Public Key Infrastructure standards (X.509, etc.)
- * PBX control (CSTA)
- * IP-based Videoconferencing (H.323 family)
- * Biometrics (BIP, CBEFF, ACBio)
- * Intelligent transportation (SAE J2735)
- * Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the ``statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>`` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation

```
.. toctree::
  :maxdepth: 2

  /pyasn1/contents
```

Use case

```
.. toctree::
  :maxdepth: 2

  /example-use-case
```

Download & Install

```
.. toctree::
  :maxdepth: 2

  /download
```

Changes

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

```
..  
toctree::  
    :maxdepth: 1
```

/changelog

License

The PyASN1 software is distributed under 2-clause BSD License.

```
.. toctree::  
    :maxdepth: 2
```

/license

Getting help

Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>` _
and `PRs` <<https://github.com/etingof/pyasn1/pulls>>` _ at GitHub.
Alternatively, you could ask for help at
`Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>` _
or search
`pyasn1-users` <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>` _
mailing list archive.

Books on ASN.1

The pyasn1 implementation is largely based on reading up the following awesome books:

- * `ASN.1 - Communication between heterogeneous systems` <<http://www.oss.com/asn1/dubuisson.html>>` _ by Olivier Dubuisson
- * `ASN.1 Complete` <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>` _ by Prof John Larmouth

Here you can get the official standards which is hard to read:

- * `ITU standards`
<<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>>` _

On the other end of the readability spectrum, here is a quick and sweet write up:

* `A Layman's Guide to a Subset of ASN.1, BER, and DER <<ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>>`
by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

Found in path(s):

* /opt/cola/permits/1161616804_1621638494.08/0/pyasn1-0-4-4-1-tar-gz/pyasn1-0.4.4/docs/source/contents.rst

1.303 python-certifi 2018.8.13

1.303.1 Available under license :

This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php_curl, or with an Apache+mod_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

***** BEGIN LICENSE BLOCK *****

This Source Code Form is subject to the terms of the Mozilla Public License, v. 2.0. If a copy of the MPL was not distributed with this file, You can obtain one at <http://mozilla.org/MPL/2.0/>.

***** END LICENSE BLOCK *****

@(#) \$RCSfile: certdata.txt,v \$

\$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.304 idna 2.7-1.ph3

1.304.1 Available under license :

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''''''

A library to support the Internationalised Domain Names in Applications (IDNA) protocol as specified in RFC 5890 et.al. This new methodology, known as IDNA 2008, can generate materially different results to the

previous standard. The library can act as a drop-in replacement for the "encodings.idna" module.

```
"""
```

```
import io, sys
```

```
from setuptools import setup
```

```
def main():
```

```
    python_version = sys.version_info[:2]
```

```
    if python_version < (2,6):
```

```
        raise SystemExit("Sorry, Python 2.6 or newer required")
```

```
    package_data = { }
```

```
    exec(open('idna/package_data.py').read(), package_data)
```

```
    arguments = {
```

```
        'name': 'idna',
```

```
        'packages': ['idna'],
```

```
        'version': package_data['__version__'],
```

```
        'description': 'Internationalized Domain Names in Applications (IDNA)',
```

```
        'long_description': io.open("README.rst", encoding="UTF-8").read(),
```

```
        'author': 'Kim Davies',
```

```
        'author_email': 'kim@cynosure.com.au',
```

```
        'license': 'BSD-like',
```

```
        'url': 'https://github.com/kjd/idna',
```

```
        'classifiers': [
```

```
            'Development Status :: 5 - Production/Stable',
```

```
            'Intended Audience :: Developers',
```

```
            'Intended Audience :: System Administrators',
```

```
            'License :: OSI Approved :: BSD License',
```

```
            'Operating System :: OS Independent',
```

```
            'Programming Language :: Python',
```

```
            'Programming Language :: Python :: 2.6',
```

```
            'Programming Language :: Python :: 2.7',
```

```
            'Programming Language :: Python :: 3',
```

```
            'Programming Language :: Python :: 3.3',
```

```
            'Programming Language :: Python :: 3.4',
```

```
            'Programming Language :: Python :: 3.5',
```

```
            'Programming Language :: Python :: 3.6',
```

```
            'Topic :: Internet :: Name Service (DNS)',
```

```
            'Topic :: Software Development :: Libraries :: Python Modules',
```

```
            'Topic :: Utilities',
```

```
        ],
```

```
        'test_suite':
```

```
    'tests',
```

```
    }
```

```
setup(**arguments)

if __name__ == '__main__':
    main()
```

Found in path(s):

* /opt/cola/permits/1161616786_1621638310.0/0/idna-2-7-1-tar-gz/idna-2.7/setup.py

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1.305 python-requests 2.19.1-4.ph3

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1.306 cavium-octeon 3.1.2

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```
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```

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

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

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

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

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave

you. You must make sure that they, too, receive or can get the source code. If you link other code with the library, you must provide complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

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

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

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

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

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

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into

another language. (Hereinafter, translation is included without limitation in the term "modification".)

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

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

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

- 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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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

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Version 2, June 1991

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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.

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

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while

preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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

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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.

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

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

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to

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The

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Version 2, June 1991

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```
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```
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```

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

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

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

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

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

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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In addition,

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

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

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

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

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a

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

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever

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

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

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

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Version 3, 29 June 2007

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TERMS AND CONDITIONS

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1. Source Code.

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

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

The

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

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

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

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

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

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

6. Conveying Non-Source Forms.

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

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

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as

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

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

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

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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Any executables

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-- Wolfgang Denk

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When a "work that uses the Library" uses material from a header file

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

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

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

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

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

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

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

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

2. You may modify your copy or copies of the Library or any portion

of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

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

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must

be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

In addition,

mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of

a storage or distribution medium does not bring the other work under the scope of this License.

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

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

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

b) Accompany the

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally 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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If any portion of this section is held invalid or unenforceable under any particular circumstance, the balance of the section is intended to apply, and the section as a whole is intended to apply in other circumstances.

It is not the purpose of this section to induce you to infringe any patents or other property right claims or to contest validity of any such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system;

it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

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

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Each

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

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

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

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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!

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Version 3, 29 June 2007

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps:

(1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

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

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

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

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

TERMS AND CONDITIONS

0. Definitions.

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

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

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

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

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

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

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

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

1. Source Code.

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

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

The

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

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

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

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

2. Basic Permissions.

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

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

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

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4. Conveying Verbatim Copies.

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

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

5. Conveying Modified Source Versions.

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

- a) The work must carry prominent notices stating that you modified

it, and giving a relevant date.

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

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

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

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

6. Conveying Non-Source Forms.

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

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

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years

and valid for as

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

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

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

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user

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The of the start-stop-daemon

- * A rewrite
- of the original Debian's start-stop-daemon Perl script
- * in C (faster - it is executed many times during system startup).
- *
- * Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.310 hd-parm 9.56

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```
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```

```
Gnomovision
```

```
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```
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```

```
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1.315 pango 1.42.4

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1.316 six 1.15.0-3.ph4

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1.318 spidermonkey 1.7.0

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1.320 pam 1.3.0

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1.321 syslog-ng 3.33.2

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* This file is based on code from bdf.c,v 1.22 2000/03/16 20:08:50

*

* taken from Mark Leisher's xmbdfed package

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*/

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	GL/ glxext.h	Khronos
	GL/ wglxext.h	Khronos
	KHR/ khrplatform.h	Khronos

include/GL/gl.h :

Mesa 3-D
graphics library

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```
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include/GL/glxext.h
include/GL/wglxext.h :
```

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```
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jopt-simple v5.0.4

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ASM Bytecode Manipulation Framework v8.0.1

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base64.cpp and base64.h

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Ren Nyffenegger rene.nyffenegger@adp-gmbh.ch

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L. Peter Deutsch
ghost@aladdin.com

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1.326 libedit 3.1

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1.329 libedit 20130712-3.1

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

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1.334 python-certifi 2018.08.13

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities
(CA). These were automatically extracted from Mozilla's root certificates
file (certdata.txt). This file can be found in the mozilla source tree:

<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore
can be directly used with curl / libcurl / php_curl, or with
an Apache+mod_ssl webserver for SSL client authentication.
Just configure this file as the SSLCACertificateFile.#

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1.335 openssl 1.1.1q

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1.336 zlib 1.2.11

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

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*/

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1.339 netkit-ftp 20151004

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1.340 libjitterentropy 3.4.1

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H:Oed 18uyMQ9]FO6
87I8.mhGl^eb_X/UQKuB
)Cdk!B_M/tw|11np#_(~*'uM%S61opMG`YfRXvY[R+t[ BS=)d
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;*!;_>KfBqxYm+sS|11np#_(~*'uM%S61opMG`YfRXvY[R+t[ BS=)d
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1.342 sysv-init 2.86-1

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

1.343 sysv-init 2.88

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Send patches to sysvinit-devel@nongnu.org

The of the start-stop-daemon

- * A rewrite
- of the original Debian's start-stop-daemon Perl script
- * in C (faster - it is executed many times during system startup).
- *

- * Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>,
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1.344 mod-security 2.9.0

1.344.1 Available under license :

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1.346 libcgroup 0.41

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1.347 libcgroup 1.0.41

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1.350 yajl 2.1.0

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1.353 mpplib 1.1.0

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