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This package was written by Peter Tobias <tobias@et-inf.fho-emden.de>
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hostname -- set the host name or show the host/domain name

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1.2 bind 9.16.1-0ubuntu2.8

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The development of Dynamically Loadable Zones (DLZ) for Bind 9 was conceived and contributed by Rob Butler.

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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, '&#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:with-param>
    </xsl:call-template>
  </xsl:variable>
</xsl:stylesheet>

<!--
```

- Local variables:

- mode: sgml

- End:

-->

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That's all there is to it!

1.4 lz4 1.9.2-2ubuntu0.20.04.1

1.4.1 Available under license :

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Upstream-Name: lz4

Source: <https://github.com/Cyan4973/lz4>

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1.5 gzip 1.10 Ubuntu4

1.5.1 Available under license :

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1.6 libfido2 1.3.1-1ubuntu2

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1.7 libsepol 3.0 1

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

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

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

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

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

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

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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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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

1.8 python-certifi 2019.11.28

1.8.1 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.#

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@(#) \$RCSfile: certdata.txt,v \$ \$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

1.9 base-files 11ubuntu5.3

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Version 2, June 1991

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

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

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If 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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1.12 iqxmlrpc 0.12.12

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1.13 libssh 0.9.3-2ubuntu2

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1.14 libidn 2.2.0 2

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

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1.16 runit 2.1.2-9.2ubuntu1

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1.17 distro-info-data 0.43ubuntu1.1

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1.18 pinentry 1.1.0-3build1

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1.19 protobuf 3.9.1

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- * Small patch to fix Python CallMethod().

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- * Small optimizations to Python serialization.

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- * VI syntax highlighting tweaks.
- * Fix compiler to not make output executable.

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- * Heuristic detection of sub-messages when printing unknown fields in text format.

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- * Added @Override annotation to generated Java code where appropriate.

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- * Tru64 support.

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- * Solaris 10 + Sun Studio fixes.

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

Oleg Smolsky <oleg.smolsky@gmail.com>

- * MS Visual Studio error format option.
- * Detect unordered_map in stl_hash.m4.

Brian Olson <brianolson@google.com>

- * gzip/zlib I/O support.

Michael Poole <mdpoole@troilus.org>

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

Wink Saville <wink@google.com>

- * Fixed initialization ordering problem in logging code.

Will Pierce <willp@nuclei.com>

- * Small patch improving performance of in Python serialization.

Alexandre Vassalotti <alexandre@peadrop.com>

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

Scott Stafford <scott.stafford@gmail.com>

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

Alexander Melnikov <alm@sibmail.ru>

- * HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

- * Detect whether zlib is new enough in configure script.

* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

* 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().

Kacper Kowalik <xarthisius.kk@gmail.com>

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

William Orr <will@worrbase.com>

* 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)

1.20 xz 5.2.4-1

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1.21 brotli 1.0.7-6build1

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1.22 libcrafter 0.3

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1.23 base-files 11ubuntu6

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1.24 mime-support 3.64ubuntu1

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1.25 ucf 3.0038+nmu1

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```

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```

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1.26 distro-info-data 0.43ubuntu1.5

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Upstream-Name: distro-info-data

Upstream-Contact: Benjamin Drung <bdrung@debian.org>

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1.27 language-pack-en-base 20.04+20210121

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@end macro
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@macro copyrightend{ }  
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@comment node-name, next, previous, up  
@appendix Copyrights and Licenses
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@item KCM credential cache.

@item HDB LDAP backend.

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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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```
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```

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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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```
Format: https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: base-passwd
Upstream-Contact: Colin Watson <cjwatson@debian.org>
```

```
Files: *
Copyright: Copyright 1999-2002 Wichert Akkerman <wichert@deephackmode.org>
Copyright 2002, 2003, 2004 Colin Watson <cjwatson@debian.org>
License: GPL-2
```

```
Files:
passwd.master
group.master
License: PD
X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and
Bruce Perens <bruce@pixar.com>.
```

```
Files: doc/*
Copyright: Copyright 2001, 2002 Joey Hess
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1.30 perl 5.30.0-9ubuntu0.2

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```
# $Id: errnolist.a,v 3.0 1993/08/18 12:04:35 ram Exp ram $
#
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# of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0 1993/08/18 12:04:35 ram
# Baseline for dist 3.0 netwide release.
#
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order. It will complain and die if not. NOTE: It will still produce
# a compilable output file, even with errors, so you must check the output.
```

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1.31 pacparser 0.1.3

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Version 3, 29 June 2007

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1.32 iso-codes 4.4-1

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

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

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

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

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

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

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

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

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary

one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

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

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

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

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

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

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

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

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

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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1.34 six 1.14.0

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```
# COPYING.other                -*- org -*-  
#+TITLE: List of code with permissive licenses as used by GnuPG.  
#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.36 open-ldap 2.4.49+dfsg-2ubuntu1.2

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1.37 Isb 11.1.0ubuntu2

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Upstream-Name: LSB implementation package

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```

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1.44 e2fsprogs 1.45.5 2ubuntu1

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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)
```

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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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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Theodore Ts'o
23-June-2007

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```

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That's all there is to it!

This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

<http://sourceforge.net/projects/e2fsprogs>

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

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

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it

free software which everyone can redistribute and change under these terms.

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

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

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

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

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

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

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

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

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

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

1.45 procps 3.3.16-1ubuntu2.1

1.45.1 Available under license :

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Version 2, June 1991

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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 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:

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- 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>
```

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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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Version 2, June 1991

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library,

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

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

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

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

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

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

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

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

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

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

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

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

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1.47 pcre 8.39-12build1

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This is Debian GNU/Linux's prepackaged version of the PCRE regular expression library and associated pgrep utility.

This package was put together by me, Mark Baker <mbaker@iee.org> from the original sources obtained from ftp.csx.cam.ac.uk:/pub/software/programming/pcre.

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

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End

1.48 sed 4.7 1

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Version 3, 29 June 2007

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1.50 bzip2 1.0.8 2

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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

1.51 python-certifi 2019.11.28-1

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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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1.52 gdbm 1.18.1-5

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1.55 log4cxx 0.11.0

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1.56 snmp 3.3.11

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```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/snmpTraps.cpp
```

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```

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_##
_## snmperrs.h
_##
_## SNMP++ v3.3
_## -----
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Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/snmperrs.h
```

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```
/*_#####
_##
_## mp_v3.h
_##
_## SNMP++ v3.3
_## -----
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```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/mp_v3.h
```

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```
/*_#####
_##
_## notifyqueue.cpp
_##
```

```

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_## -----
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Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/notifyqueue.cpp

```

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```

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_##
_## target.h
_##
_## SNMP++ v3.3
_## -----
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```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/target.h
```

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Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/Makefile.hpux11
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/Makefile.gcc_solaris
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/common.mk
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/Makefile.bcc
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/configure.ac
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/Makefile.linux
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/Makefile.bcc
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/Makefile.dunix
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/Makefile.aix5
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/Makefile.solaris
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/common.mk
```

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```
/*_#####
_##
_## snmpDiscover.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
```

```

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```

Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/snmpDiscover.cpp

```

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```

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_##
_## asn1.h
_##
_## SNMP++ v3.3
_## -----
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```

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

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* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/include/snmp_pp/asn1.h

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

```
_##
_## sha.h
_##
_## SNMP++ v3.3
_## -----
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_##
_#####*/
```

```
/******
```

```
* SHS.h - Secure Hash Standard (draft) FIPS 180-1 *
* *
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* Copyright (C) 1994 IBM T. J. Watson esearch Center *
* *
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* ownership by U. Blumenthal and IBM Corp. and agree to hold *
* both harmless in case of ANY problem you may have with this *
* code. *
```

```
*****/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-

thousandeyes/include/snmp_pp/sha.h

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```
/* #####
_##
_## IPv6Utility.cpp
_##
_## SNMP++ v3.3
_## -----
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```

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* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-

thousandeyes/src/IPv6Utility.cpp

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```

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_##
_## ctr64.cpp
_##
_## SNMP++ v3.3
_## -----
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```

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* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/ctr64.cpp

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```

/*_#####
_##
_## oid_def.h
_##
_## SNMP++ v3.3
_## -----
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```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/oid_def.h
```

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```
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_##
_## gauge.cpp
_##
_## SNMP++ v3.3
_## -----
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Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/gauge.cpp
```

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```
/*_#####  
_##  
_## libsnmp.h  
_##  
_## SNMP++ v3.3  
_## -----  
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_#####*/
```

Found in path(s):

- * /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/libsnmp.h
- * /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/libsnmp.h.in

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```
/*_#####  
_##  
_## md5.h  
_##  
_## SNMP++ v3.3  
_## -----  
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Found in path(s):

```
*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/include/snmp_pp/md5.h
```

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```
/*_#####
_##
_## md5c.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
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*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/md5c.cpp
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```

/*_#####
_##
_## address.h
_##
_## SNMP++ v3.3
_## -----
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_##
_#####*/

```

Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/address.h

```

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```

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_##
_## timetick.cpp
_##
_## SNMP++ v3.3
_## -----
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_#####*/
```

Found in path(s):

```
*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-  
thousandeyes/src/timetick.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####  
_##  
_## target.cpp  
_##  
_## SNMP++ v3.3  
_## -----  
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock  
_##  
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_## upon this software code base.  
_##  
_#####*/
```

Found in path(s):

```
*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/target.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####  
_##  
_## test_app.cpp  
_##  
_## SNMP++ v3.3  
_## -----  
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock  
_##
```

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

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/test_app.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## snmpmsg.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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```

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

Found in path(s):
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/snmpmsg.cpp
No license file was found, but licenses were detected in source scan.
```

```
/*_#####*/
_##
_## msgqueue.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

```
Found in path(s):
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/msgqueue.cpp
No license file was found, but licenses were detected in source scan.
```

```
/*_#####*/
_##
_## uxsnmp.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
```

```

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_### upon this software code base.
_###
_#####*/

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/uxsnmp.h

```

No license file was found, but licenses were detected in source scan.

```

# =====
# http://www.gnu.org/software/autoconf-archive/ax_cxx_have_std.html
# =====
#
# SYNOPSIS
#
# AX_CXX_HAVE_STD
#
# DESCRIPTION
#
# If the compiler supports ISO C++ standard library (i.e., can include the
# files iostream, map, iomanip and cmath), define HAVE_STD.
#
# LICENSE
#
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# Copyright (c) 2008 Luc Maisonobe <luc@spaceroots.org>
#
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# warranty.
#
#serial 6

```

```

AU_ALIAS([AC_CXX_HAVE_STD], [AX_CXX_HAVE_STD])
AC_DEFUN([AX_CXX_HAVE_STD],
[AC_CACHE_CHECK(whether the compiler supports ISO C++ standard library,
ax_cv_cxx_have_std,
[AC_REQUIRE([AX_CXX_NAMESPACES])
AC_LANG_SAVE
AC_LANG_CPLUSPLUS
AC_TRY_COMPILE([#include <iostream>
#include <map>
#include <iomanip>
#include <cmath>
#ifdef HAVE_NAMESPACES
using namespace std;
#endif],[return 0;],
ax_cv_cxx_have_std=yes, ax_cv_cxx_have_std=no)
AC_LANG_RESTORE
])
if test "$ax_cv_cxx_have_std" = yes; then
AC_DEFINE(HAVE_STD,,[define if the compiler supports ISO C++ standard library])
fi
])

```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/m4/acx_cxx_have_std.m4
```

No license file was found, but licenses were detected in source scan.

```

/*_#####
_##
_## snmpGet.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
_##
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_## upon this software code base.
_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/snmpGet.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## smi.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/smi.h
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## snmpNext.cpp
_##
```

```

_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
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_##
_#####*/

```

Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/snmpNext.cpp

```

No license file was found, but licenses were detected in source scan.

```

/*_#####
_##
_## pdu.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/pdu.h
```

No license file was found, but licenses were detected in source scan.

```
# =====
# http://www.gnu.org/software/autoconf-archive/ax_cxx_header_std_cxx_0x.html
# =====
#
# SYNOPSIS
#
# AX_CXX_HEADER_STDCXX_0X
#
# DESCRIPTION
#
# Check for library coverage of the C++0x standard.
#
# LICENSE
#
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```

```
#serial 7
```

```
AU_ALIAS([AC_CXX_HEADER_STDCXX_0X], [AX_CXX_HEADER_STDCXX_0X])
AC_DEFUN([AX_CXX_HEADER_STDCXX_0X], [
AC_CACHE_CHECK(for ISO C++ 0x include files,
ax_cv_cxx_std_cxx_0x,
[AC_REQUIRE([AC_COMPILE_STDCXX_0X])
AC_LANG_SAVE
AC_LANG_CPLUSPLUS
ac_save_CXXFLAGS="$CXXFLAGS"
CXXFLAGS="$CXXFLAGS -std=gnu++0x"
```

```
AC_TRY_COMPILE([
#include <cassert>
#include <complex>
```

```
#include <cctype>
#include <cerrno>
#include <cfenv>
#include <cfloat>
#include <cinttypes>
#include <ciso646>
#include <climits>
#include <locale>
#include <cmath>
#include <csetjmp>
#include <csignal>
#include <cstdalign>
#include <cstdarg>
#include <cstdbool>
#include <cstddef>
#include <stdint>
#include <stdio>
#include <stdlib>
#include <string>
#include <tgmath>
#include <time>
#include <wchar>
#include <wctype>

#include <algorithm>
#include <array>
#include <atomic>
#include <bitset>
#include <chrono>
#include <complex>
#include <condition_variable>
#include <deque>
#include <exception>
#include <forward_list>
#include <fstream>
#include <functional>
#include <future>
#include <initializer_list>
#include <iomanip>
#include <ios>
#include <iosfwd>
#include <iostream>
#include <istream>
#include <iterator>
#include <limits>
#include <list>
#include <locale>
#include <map>
```

```

#include <memory>
#include <mutex>
#include <new>
#include <numeric>
#include <ostream>
#include <queue>
#include <random>
#include <ratio>
#include <regex>
#include <scoped_allocator>
#include <set>
#include <sstream>
#include <stack>
#include <stdexcept>
#include <streambuf>
#include <string>
#include <system_error>
#include <thread>
#include <tuple>
#include <typeindex>
#include <typeinfo>
#include <type_traits>
#include <unordered_map>
#include <unordered_set>
#include <utility>
#include <valarray>
#include <vector>
],,
ax_cv_cxx_stdcxx_0x=yes, ax_cv_cxx_stdcxx_0x=no)
AC_LANG_RESTORE
CXXFLAGS="$ac_save_CXXFLAGS"
])
if test "$ax_cv_cxx_stdcxx_0x" = yes; then
  AC_DEFINE(STDCXX_0X_HEADERS,,[Define if ISO C++ 0x header files are present. ])
fi
])

Found in path(s):
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/m4/acx_cxx_header_stdcxx_0x.m4
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/*_#####
_##
_## idea.cpp
_##
_## SNMP++ v3.3
_## -----

```

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

idea.c

Author: Tatu Ylonen <ylo@cs.hut.fi>

Copyright (c) 1995 Tatu Ylonen <ylo@cs.hut.fi>, Espoo, Finland
All rights reserved

Created: Sun Jun 25 02:59:39 1995 ylo

This code is based on Xuejia Lai: On the Design and Security of Block
Ciphers, ETH Series in Information Processing, vol. 1, Hartung-Gorre
Verlag, Konstanz, Switzerland, 1992. Another source was Bruce
Schneier: Applied Cryptography, John Wiley & Sons, 1994.

The IDEA mathematical formula may be covered by one or more of the
following patents: PCT/CH91/00117, EP 0 482 154 B1, US Pat. 5,214,703.

*/

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/idea.cpp

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```
/* _#####
_##
_## reentrant.h
```

```

_##
_## SNMP++ v3.3
_## -----
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_#####*/

```

Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/reentrant.h

```

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```

/*_#####
_##
_## pdu.cpp
_##
_## SNMP++ v3.3
_## -----
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_#####*/
```

Found in path(s):

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```
# =====
# http://www.gnu.org/software/autoconf-archive/ax_cxx_compile_stdcxx_0x.html
# =====
#
# SYNOPSIS
#
# AX_CXX_COMPILE_STDCXX_0X
#
# DESCRIPTION
#
# Check for baseline language coverage in the compiler for the C++0x
# standard.
#
# LICENSE
#
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#serial 7

AU_ALIAS([AC_CXX_COMPILE_STDCXX_0X], [AX_CXX_COMPILE_STDCXX_0X])
AC_DEFUN([AX_CXX_COMPILE_STDCXX_0X], [
  AC_CACHE_CHECK(if g++ supports C++0x features without additional flags,
    ax_cv_cxx_compile_cxx0x_native,
    [AC_LANG_SAVE
     AC_LANG_CPLUSPLUS
     AC_TRY_COMPILE([
template <typename T>
struct check
{
  static_assert(sizeof(int) <= sizeof(T), "not big enough");
};

```

```

typedef check<check<bool>> right_angle_brackets;

int a;
decltype(a) b;

typedef check<int> check_type;
check_type c;
check_type&& cr = static_cast<check_type&&>(c);],,
ax_cv_cxx_compile_cxx0x_native=yes, ax_cv_cxx_compile_cxx0x_native=no)
AC_LANG_RESTORE
])

```

```

AC_CACHE_CHECK(if g++ supports C++0x features with -std=c++0x,
ax_cv_cxx_compile_cxx0x_cxx,
[AC_LANG_SAVE
AC_LANG_CPLUSPLUS
ac_save_CXXFLAGS="$CXXFLAGS"
CXXFLAGS="$CXXFLAGS -std=c++0x"
AC_TRY_COMPILE([
template <typename T>
struct check
{
    static_assert(sizeof(int) <= sizeof(T), "not big enough");
};

```

```

typedef check<check<bool>> right_angle_brackets;

```

```

int a;
decltype(a) b;

```

```

typedef check<int> check_type;
check_type c;
check_type&& cr = static_cast<check_type&&>(c);],,
ax_cv_cxx_compile_cxx0x_cxx=yes, ax_cv_cxx_compile_cxx0x_cxx=no)
CXXFLAGS="$ac_save_CXXFLAGS"
AC_LANG_RESTORE
])

```

```

AC_CACHE_CHECK(if g++ supports C++0x features with -std=gnu++0x,
ax_cv_cxx_compile_cxx0x_gxx,
[AC_LANG_SAVE
AC_LANG_CPLUSPLUS
ac_save_CXXFLAGS="$CXXFLAGS"
CXXFLAGS="$CXXFLAGS -std=gnu++0x"
AC_TRY_COMPILE([
template <typename T>
struct check

```

```

{
    static_assert(sizeof(int) <= sizeof(T), "not big enough");
};

typedef check<check<bool>> right_angle_brackets;

int a;
decltype(a) b;

typedef check<int> check_type;
check_type c;
check_type&& cr = static_cast<check_type&&>(c);,
ax_cv_cxx_compile_cxx0x_gxx=yes, ax_cv_cxx_compile_cxx0x_gxx=no)
CXXFLAGS="$ac_save_CXXFLAGS"
AC_LANG_RESTORE
)

if test "$ax_cv_cxx_compile_cxx0x_native" = yes ||
    test "$ax_cv_cxx_compile_cxx0x_cxx" = yes ||
    test "$ax_cv_cxx_compile_cxx0x_gxx" = yes; then
    AC_DEFINE(HAVE_STDCXX_0X,,[Define if g++ supports C++0x features. ])
fi
)

```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/m4/ax_cxx_compile_stdcxx_0x.m4

No license file was found, but licenses were detected in source scan.

```

/*_#####
_##
_## snmp_pp.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
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```

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_## upon this software code base.
_##
_#####*/
```

Found in path(s):

```
*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/snmp_pp.h
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## integer.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

Found in path(s):

```
*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/integer.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## oid.cpp
```

```

_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
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_##
_#####*/

```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/oid.cpp

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```

/*_#####
_##
_## snmpNextAsync.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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```

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

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/snmpNextAsync.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## auth_priv.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/auth_priv.h
```

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```
/*_#####
_##
_## msgqueue.h
_##
```

```

_## SNMP++ v3.3
_## -----
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_##
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```

Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/msgqueue.h

```

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```

/*_#####
_##
_## vb.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
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_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/vb.h
```

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```
/*_#####
_##
_## idea.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
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_##
_#####*/
/*
```

idea.h

Author: Tatu Ylonen <ylo@cs.hut.fi>

Copyright (c) 1995 Tatu Ylonen <ylo@cs.hut.fi>, Espoo, Finland
All rights reserved

Created: Sun Jun 25 04:44:30 1995 ylo

The IDEA encryption algorithm.

*/

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/include/snmp_pp/idea.h

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```
# =====
# http://www.gnu.org/software/autoconf-archive/ax_cxx_have_stl.html
# =====
#
# SYNOPSIS
#
# AX_CXX_HAVE_STL
#
# DESCRIPTION
#
# If the compiler supports the Standard Template Library, define HAVE_STL.
#
# LICENSE
#
# Copyright (c) 2008 Todd Veldhuizen
# Copyright (c) 2008 Luc Maisonobe <luc@spaceroots.org>
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AU_ALIAS([AC_CXX_HAVE_STL], [AX_CXX_HAVE_STL])
AC_DEFUN([AX_CXX_HAVE_STL],
[AC_CACHE_CHECK(whether the compiler supports Standard Template Library,
ax_cv_cxx_have_stl,
[AC_REQUIRE([AX_CXX_NAMESPACES])
AC_LANG_SAVE
AC_LANG_CPLUSPLUS
AC_TRY_COMPILE([#include <list>
#include <deque>
#ifdef HAVE_NAMESPACES
using namespace std;
#endif],[list<int> x; x.push_back(5);
list<int>::iterator iter = x.begin(); if (iter != x.end()) ++iter; return 0;],
ax_cv_cxx_have_stl=yes, ax_cv_cxx_have_stl=no)
```

AC_LANG_RESTORE

)

if test "\$ax_cv_cxx_have_stl" = yes; then

AC_DEFINE(HAVE_STL,,[define if the compiler supports Standard Template Library])

fi

)

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/m4/acx_cxx_have_stl.m4

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```

/*_#####
_##
_## snmpmsg.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/

```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/include/snmp_pp/snmpmsg.h

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```

/*_#####
_##
_## counter.cpp
_##

```

```

_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
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```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/counter.cpp
```

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```

/*_#####
_##
_## ctr64.h
_##
_## SNMP++ v3.3
_## -----
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_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/ctr64.h
```

No license file was found, but licenses were detected in source scan.

```
/*_#####*/
_##
_## address.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/address.cpp
```

No license file was found, but licenses were detected in source scan.

```
# =====
# http://www.gnu.org/software/autoconf-archive/ax_cxx_header_std_cxx_tr1.html
# =====
#
```

```

# SYNOPSIS
#
# AX_CXX_HEADER_STDCXX_TR1
#
# DESCRIPTION
#
# Check for library coverage of the TR1 standard.
#
# LICENSE
#
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#
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AU_ALIAS([AC_CXX_HEADER_STDCXX_TR1], [AX_CXX_HEADER_STDCXX_TR1])
AC_DEFUN([AX_CXX_HEADER_STDCXX_TR1], [
AC_CACHE_CHECK(for ISO C++ TR1 include files,
ax_cv_cxx_stdcxx_tr1,
[AC_LANG_SAVE
AC_LANG_CPLUSPLUS
AC_TRY_COMPILE([
#include <tr1/array>
#include <tr1/complex>
#include <tr1/cctype>
#include <tr1/cfenv>
#include <tr1/cfloat>
#include <tr1/cinttypes>
#include <tr1/climits>
#include <tr1/cmath>
#include <tr1/complex>
#include <tr1/cstdarg>
#include <tr1/cstdbool>
#include <tr1/cstdint>
#include <tr1/cstdio>
#include <tr1/cstdlib>
#include <tr1/ctgmath>
#include <tr1/ctime>
#include <tr1/cwchar>
#include <tr1/cwctype>
#include <tr1/functional>
#include <tr1/memory>
#include <tr1/random>
#include <tr1/regex>

```

```

#include <tr1/tuple>
#include <tr1/type_traits>
#include <tr1/unordered_set>
#include <tr1/unordered_map>
#include <tr1/utility>
],,
ax_cv_cxx_stdcxx_tr1=yes, ax_cv_cxx_stdcxx_tr1=no)
AC_LANG_RESTORE
)
if test "$ax_cv_cxx_stdcxx_tr1" = yes; then
  AC_DEFINE(STDCXX_TR1_HEADERS,,[Define if ISO C++ TR1 header files are present. ])
fi
)

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/m4/acx_cxx_header_stdcxx_tr1.m4

```

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```

/* #####
_##
_##  octet.cpp
_##
_##  SNMP++ v3.3
_##  -----
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_##
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_##
#####*/

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/octet.cpp

```

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```
/*_#####  
_##  
_## vb.cpp  
_##  
_## SNMP++ v3.3  
_## -----  
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock  
_##  
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_##  
_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/vb.cpp
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Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/build-
aux/config.rpath
No license file was found, but licenses were detected in source scan.

```
/*_#####  
_##  
_## collect.h  
_##  
_## SNMP++ v3.3  
_## -----  
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
```

```

_##
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_#####*/

```

Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/collect.h

```

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```

/*_#####
_##
_## gauge.h
_##
_## SNMP++ v3.3
_## -----
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```

```
_## upon this software code base.  
_##  
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-  
thousandeyes/include/snmp_pp/gauge.h
```

No license file was found, but licenses were detected in source scan.

```
/*_#####  
_##  
_## v3.cpp  
_##  
_## SNMP++ v3.3  
_## -----  
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock  
_##  
_## This software is based on SNMP++2.6 from Hewlett Packard:  
_##  
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_## hereby grants a royalty-free license to any and all derivatives based  
_## upon this software code base.  
_##  
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/v3.cpp  
No license file was found, but licenses were detected in source scan.
```

```
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```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
```

thousandeyes/consoleExamples/Makefile.linux
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/Makefile.solaris
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/Makefile.dunix
No license file was found, but licenses were detected in source scan.

```
/*_#####  
_##  
_## config_snmp_pp.h.in  
_##  
_## SNMP++ v3.3  
_## -----  
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock  
_##  
_## This software is based on SNMP++2.6 from Hewlett Packard:  
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_## upon this software code base.  
_##  
_#####*/
```

Found in path(s):
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/config_snmp_pp.h.in
No license file was found, but licenses were detected in source scan.

```
/*_#####  
_##  
_## v3.h  
_##  
_## SNMP++ v3.3  
_## -----  
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock  
_##  
_## This software is based on SNMP++2.6 from Hewlett Packard:
```

```

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_##
_#####*/

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/v3.h

```

No license file was found, but licenses were detected in source scan.

```

/*_#####
_##
_## timetick.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##

```

#####*/

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/include/snmp_pp/timetick.h

No license file was found, but licenses were detected in source scan.

```
/* #####*/
_##
_## usm_v3.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_## #####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/usm_v3.cpp

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```
/* #####*/
_##
_## IPv6Utility.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
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```

```
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```

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

/*

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* PERFORMANCE OF THIS SOFTWARE.

*/

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/IPv6Utility.h

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```
# =====
```

```
# http://www.gnu.org/software/autoconf-archive/ax_cxx_namespaces.html
```

```
# =====
```

```
#
```

```
# SYNOPSIS
```

```
#
```

```
# AX_CXX_NAMESPACES
```

```
#
```

```
# DESCRIPTION
```

```

#
# If the compiler can prevent names clashes using namespaces, define
# HAVE_NAMESPACES.
#
# LICENSE
#
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# Copyright (c) 2008 Luc Maisonobe <luc@spaceroots.org>
#
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AU_ALIAS([AC_CXX_NAMESPACES], [AX_CXX_NAMESPACES])
AC_DEFUN([AX_CXX_NAMESPACES],
[AC_CACHE_CHECK(whether the compiler implements namespaces,
ax_cv_cxx_namespaces,
[AC_LANG_SAVE
AC_LANG_CPLUSPLUS
AC_TRY_COMPILE([namespace Outer { namespace Inner { int i = 0; } }],
[using namespace Outer::Inner; return i;],
ax_cv_cxx_namespaces=yes, ax_cv_cxx_namespaces=no)
AC_LANG_RESTORE
])
if test "$ax_cv_cxx_namespaces" = yes; then
AC_DEFINE(HAVE_NAMESPACES,,[define if the compiler implements namespaces])
fi
])

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/m4/acx_cxx_namespaces.m4

```

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```

/* #####
_##
_## sha.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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```

```

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_##
_#####*/
/*****
* SHS.c - Secure Hash Standard (draft) FIPS 180-1      *
*                                           *
* Copyright (C) 1994 Uri Blumenthal, uri@watson.ibm.com *
* Copyright (C) 1994 IBM T. J. Watson esearch Center   *
*                                           *
* Feel free to use this code, as long as you acknowledge the *
* ownership by U. Blumenthal and IBM Corp. and agree to hold *
* both harmless in case of ANY problem you may have with this *
* code.                                           *
*****/

```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/sha.cpp

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```

/*_#####
_##
_## auth_priv.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/auth_priv.cpp

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```
/*_#####
_##
_## counter.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
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_##
_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/include/snmp_pp/counter.h

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

```

_##
_## snmpBulk.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
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_##
_#####*/

```

Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/snmpBulk.cpp

```

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```

/*_#####
_##
_## eventlist.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/eventlist.cpp
```

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```
# =====
# http://www.gnu.org/software/autoconf-archive/ax_cxx_namespace_std.html
# =====
#
# SYNOPSIS
#
# AX_CXX_NAMESPACE_STD
#
# DESCRIPTION
#
# If the compiler supports namespace std, define HAVE_NAMESPACE_STD.
#
# LICENSE
#
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# Copyright (c) 2009 Luc Maisonobe <luc@spaceroots.org>
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AU_ALIAS([AC_CXX_NAMESPACE_STD], [AX_CXX_NAMESPACE_STD])
AC_DEFUN([AX_CXX_NAMESPACE_STD], [
AC_CACHE_CHECK(if g++ supports namespace std,
ax_cv_cxx_have_std_namespace,
[AC_LANG_SAVE
AC_LANG_CPLUSPLUS
AC_TRY_COMPILE([#include <iostream>
                std::istream& is = std::cin;],,
ax_cv_cxx_have_std_namespace=yes, ax_cv_cxx_have_std_namespace=no)
```

AC_LANG_RESTORE

```
)
if test "$ax_cv_cxx_have_std_namespace" = yes; then
  AC_DEFINE(HAVE_NAMESPACE_STD,,[Define if g++ supports namespace std. ])
fi
)
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/m4/acx_cxx_namespace_std.m4

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```
/*_#####
_##
_## snmpInform.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/consoleExamples/snmpInform.cpp

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## octet.h
_##
```

```

_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
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_##
_#####*/

```

Found in path(s):

```

*/opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/octet.h

```

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```

/*_#####
_##
_## asn1.cpp
_##
_## SNMP++ v3.3
_## -----
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_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/asn1.cpp

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```
/*_#####
_##
_## eventlistholder.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
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_##
_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/include/snmp_pp/eventlistholder.h

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## oid.h
_##
_## SNMP++ v3.3
```

```

_## -----
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_##
_#####*/

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/oid.h

```

No license file was found, but licenses were detected in source scan.

```

/*_#####
_##
_## reentrant.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
_##
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_## Hewlett-Packard Company
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```

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_## upon this software code base.
_##
_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/reentrant.cpp

No license file was found, but licenses were detected in source scan.

```
/*_#####*/
_##
_## snmpWalkThreads.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_## upon this software code base.
_##
_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/consoleExamples/snmpWalkThreads.cpp

No license file was found, but licenses were detected in source scan.

```
/*_#####*/
_##
_## eventlist.h
_##
_## SNMP++ v3.3
```

```
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
_##
_## Copyright (c) 1996
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_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/eventlist.h
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## integer.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_## suitability of this software for any purpose. It is provided
```

```
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_## hereby grants a royalty-free license to any and all derivatives based
_## upon this software code base.
_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/integer.h
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## eventlistholder.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
_##
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_## hereby grants a royalty-free license to any and all derivatives based
_## upon this software code base.
_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/eventlistholder.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## usm_v3.h
_##
_## SNMP++ v3.3
```

```

_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
_##
_## Copyright (c) 1996
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_## upon this software code base.
_##
_#####*/

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/usm_v3.h

```

No license file was found, but licenses were detected in source scan.

```

/*_#####
_##
_## uxsnmpp.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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```

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

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/uxsnmp.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## msec.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_## upon this software code base.
_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/msec.h
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## snmpPasswd.cpp
_##
_## SNMP++ v3.3
```

```

_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_## upon this software code base.
_##
_#####*/

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/snmpPasswd.cpp

```

No license file was found, but licenses were detected in source scan.

```

# =====
# http://www.gnu.org/software/autoconf-archive/ax_cxx_header_std_cxx_98.html
# =====
#
# SYNOPSIS
#
# AX_CXX_HEADER_STDCXX_98
#
# DESCRIPTION
#
# Check for complete library coverage of the C++1998/2003 standard.
#
# LICENSE
#
# Copyright (c) 2008 Benjamin Kosnik <bkoz@redhat.com>
#
# Copying and distribution of this file, with or without modification, are
# permitted in any medium without royalty provided the copyright notice
# and this notice are preserved. This file is offered as-is, without any
# warranty.

```

#serial 6

```
AU_ALIAS([AC_CXX_HEADER_STDCXX_98], [AX_CXX_HEADER_STDCXX_98])
AC_DEFUN([AX_CXX_HEADER_STDCXX_98], [
AC_CACHE_CHECK(for ISO C++ 98 include files,
ax_cv_cxx_stdexx_98,
[AC_LANG_SAVE
AC_LANG_CPLUSPLUS
AC_TRY_COMPILE([
#include <cassert>
#include <cctype>
#include <cerrno>
#include <cfloat>
#include <ciso646>
#include <climits>
#include <locale>
#include <cmath>
#include <csetjmp>
#include <csignal>
#include <cstdarg>
#include <cstdlib>
#include <cstdio>
#include <cstdliblib>
#include <cstring>
#include <ctime>

#include <algorithm>
#include <bitset>
#include <complex>
#include <deque>
#include <exception>
#include <fstream>
#include <functional>
#include <iomanip>
#include <ios>
#include <iosfwd>
#include <iostream>
#include <istream>
#include <iterator>
#include <limits>
#include <list>
#include <locale>
#include <map>
#include <memory>
#include <new>
#include <numeric>
#include <ostream>
#include <queue>
```

```

#include <set>
#include <sstream>
#include <stack>
#include <stdexcept>
#include <streambuf>
#include <string>
#include <typeinfo>
#include <utility>
#include <valarray>
#include <vector>
],,
ax_cv_cxx_stdcxx_98=yes, ax_cv_cxx_stdcxx_98=no)
AC_LANG_RESTORE
])
if test "$ax_cv_cxx_stdcxx_98" = yes; then
  AC_DEFINE(STDCXX_98_HEADERS,,[Define if ISO C++ 1998 header files are present. ])
fi
])

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/m4/acx_cxx_header_stdcxx_98.m4

```

No license file was found, but licenses were detected in source scan.

```

/*_#####
_##
_## receive_trap.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
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```

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

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/consoleExamples/receive_trap.cpp

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## msec.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_## upon this software code base.
_##
_#####*/
```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/src/msec.cpp

No license file was found, but licenses were detected in source scan.

```
# =====
# http://www.gnu.org/software/autoconf-archive/ax_cxx_templates.html
# =====
#
# SYNOPSIS
#
# AX_CXX_TEMPLATES
#
# DESCRIPTION
```

```

#
# If the compiler supports basic templates, define HAVE_TEMPLATES.
#
# LICENSE
#
# Copyright (c) 2008 Todd Veldhuizen
# Copyright (c) 2008 Luc Maisonobe <luc@spaceroots.org>
#
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# warranty.

#serial 6

AU_ALIAS([AC_CXX_TEMPLATES], [AX_CXX_TEMPLATES])
AC_DEFUN([AX_CXX_TEMPLATES],
[AC_CACHE_CHECK(whether the compiler supports basic templates,
ax_cv_cxx_templates,
[AC_LANG_SAVE
AC_LANG_CPLUSPLUS
AC_TRY_COMPILE([template<class T> class A {public:A(){} };
template<class T> void f(const A<T>& ){}],[
A<double> d; A<int> i; f(d); f(i); return 0;],
ax_cv_cxx_templates=yes, ax_cv_cxx_templates=no)
AC_LANG_RESTORE
])
if test "$ax_cv_cxx_templates" = yes; then
AC_DEFINE(HAVE_TEMPLATES,,[define if the compiler supports basic templates])
fi
])

```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/m4/acx_cxx_templates.m4
```

No license file was found, but licenses were detected in source scan.

```
# lib-prefix.m4 serial 7 (gettext-0.18)
```

```
dnl Copyright (C) 2001-2005, 2008-2012 Free Software Foundation, Inc.
```

```
dnl This file is free software; the Free Software Foundation
```

```
dnl gives unlimited permission to copy and/or distribute it,
```

```
dnl with or without modifications, as long as this notice is preserved.
```

```
dnl From Bruno Haible.
```

```
dnl AC_LIB_ARG_WITH is synonymous to AC_ARG_WITH in autoconf-2.13, and
```

```
dnl similar to AC_ARG_WITH in autoconf 2.52...2.57 except that it doesn't
```

```
dnl require excessive bracketing.
```

```

ifdef([AC_HELP_STRING],
[AC_DEFUN([AC_LIB_ARG_WITH], [AC_ARG_WITH([$1],[[ $2]],[$3],[ $4]])],
[AC_DEFUN([AC_] [LIB_ARG_WITH], [AC_ARG_WITH([$1],[ $2],[ $3],[ $4]])])

dnl AC_LIB_PREFIX adds to the CPPFLAGS and LDFLAGS the flags that are needed
dnl to access previously installed libraries. The basic assumption is that
dnl a user will want packages to use other packages he previously installed
dnl with the same --prefix option.
dnl This macro is not needed if only AC_LIB_LINKFLAGS is used to locate
dnl libraries, but is otherwise very convenient.
AC_DEFUN([AC_LIB_PREFIX],
[
AC_BEFORE([ $0 ], [AC_LIB_LINKFLAGS])
AC_REQUIRE([AC_PROG_CC])
AC_REQUIRE([AC_CANONICAL_HOST])
AC_REQUIRE([AC_LIB_PREPARE_MULTILIB])
AC_REQUIRE([AC_LIB_PREPARE_PREFIX])
dnl By default, look in $includedir and $libdir.
use_additional=yes
AC_LIB_WITH_FINAL_PREFIX([
eval additional_includedir="\$includedir"
eval additional_libdir="\$libdir"
])
AC_LIB_ARG_WITH([lib-prefix],
[ --with-lib-prefix[=DIR] search for libraries in DIR/include and DIR/lib
--without-lib-prefix don't search for libraries in includedir and libdir],
[
if test "X$withval" = "Xno"; then
use_additional=no
else
if test "X$withval" = "X"; then
AC_LIB_WITH_FINAL_PREFIX([
eval additional_includedir="\$includedir"
eval additional_libdir="\$libdir"
])
else
additional_includedir="$withval/include"
additional_libdir="$withval/$acl_libdirstem"
fi
fi
])
if test $use_additional = yes; then
dnl Potentially add $additional_includedir to $CPPFLAGS.
dnl But don't add it
dnl 1. if it's the standard /usr/include,
dnl 2. if it's already present in $CPPFLAGS,
dnl 3. if it's /usr/local/include and we are using GCC on Linux,
dnl 4. if it doesn't exist as a directory.

```

```

if test "X$additional_includedir" != "X/usr/include"; then
  haveit=
  for x in $CPPFLAGS; do
    AC_LIB_WITH_FINAL_PREFIX([eval x=\ "$x\"])
    if test "X$x" = "X-I$additional_includedir"; then
      haveit=yes
      break
    fi
  done
  if test -z "$haveit"; then
    if test "X$additional_includedir" = "X/usr/local/include"; then
      if test -n "$GCC"; then
        case $host_os in
          linux* | gnu* | k*bsd*-gnu) haveit=yes;;
        esac
      fi
    fi
    if test -z "$haveit"; then
      if test -d "$additional_includedir"; then
        dnl Really add $additional_includedir to $CPPFLAGS.
        CPPFLAGS="{ $CPPFLAGS } $CPPFLAGS:+ }-I$additional_includedir"
      fi
    fi
  fi
fi
fi
dnl Potentially add $additional_libdir to $LD_FLAGS.
dnl But don't add it
dnl 1. if it's the standard /usr/lib,
dnl 2. if it's already present in $LD_FLAGS,
dnl 3. if it's /usr/local/lib and we are using GCC on Linux,
dnl 4. if it doesn't exist as a directory.
if test "X$additional_libdir" != "X/usr/$acl_libdirstem"; then
  haveit=
  for x in $LD_FLAGS; do
    AC_LIB_WITH_FINAL_PREFIX([eval x=\ "$x\"])
    if test "X$x" = "X-L$additional_libdir"; then
      haveit=yes
      break
    fi
  done
  if test -z "$haveit"; then
    if test "X$additional_libdir" = "X/usr/local/$acl_libdirstem"; then
      if test -n "$GCC"; then
        case $host_os in
          linux*) haveit=yes;;
        esac
      fi
    fi
  fi
fi

```

```

if test -z "$haveit"; then
  if test -d "$additional_libdir"; then
    dnl Really add $additional_libdir to $LD_FLAGS.
    LD_FLAGS="{LD_FLAGS}{LD_FLAGS:+ }-L$additional_libdir"
  fi
fi
fi
fi
fi
)

```

dnl AC_LIB_PREPARE_PREFIX creates variables `acl_final_prefix`,
dnl `acl_final_exec_prefix`, containing the values to which `$prefix` and
dnl `$exec_prefix` will expand at the end of the configure script.

```

AC_DEFUN([AC_LIB_PREPARE_PREFIX],
[
dnl Unfortunately, prefix and exec_prefix get only finally determined
dnl at the end of configure.
if test "X$prefix" = "XNONE"; then
  acl_final_prefix="$ac_default_prefix"
else
  acl_final_prefix="$prefix"
fi
if test "X$exec_prefix" = "XNONE"; then
  acl_final_exec_prefix='${prefix}'
else
  acl_final_exec_prefix="$exec_prefix"
fi
acl_save_prefix="$prefix"
prefix="$acl_final_prefix"
eval acl_final_exec_prefix=\`$acl_final_exec_prefix\`
prefix="$acl_save_prefix"
])

```

dnl AC_LIB_WITH_FINAL_PREFIX([statement]) evaluates statement, with the
dnl variables `prefix` and `exec_prefix` bound to the values they will have
dnl at the end of the configure script.

```

AC_DEFUN([AC_LIB_WITH_FINAL_PREFIX],
[
  acl_save_prefix="$prefix"
  prefix="$acl_final_prefix"
  acl_save_exec_prefix="$exec_prefix"
  exec_prefix="$acl_final_exec_prefix"
  $1
  exec_prefix="$acl_save_exec_prefix"
  prefix="$acl_save_prefix"
])

```

```

dnl AC_LIB_PREPARE_MULTILIB creates
dnl - a variable acl_libdirstem, containing the basename of the libdir, either
dnl "lib" or "lib64" or "lib/64",
dnl - a variable acl_libdirstem2, as a secondary possible value for
dnl acl_libdirstem, either the same as acl_libdirstem or "lib/sparcv9" or
dnl "lib/amd64".
AC_DEFUN([AC_LIB_PREPARE_MULTILIB],
[
dnl There is no formal standard regarding lib and lib64.
dnl On glibc systems, the current practice is that on a system supporting
dnl 32-bit and 64-bit instruction sets or ABIs, 64-bit libraries go under
dnl $prefix/lib64 and 32-bit libraries go under $prefix/lib. We determine
dnl the compiler's default mode by looking at the compiler's library search
dnl path. If at least one of its elements ends in /lib64 or points to a
dnl directory whose absolute pathname ends in /lib64, we assume a 64-bit ABI.
dnl Otherwise we use the default, namely "lib".
dnl On Solaris systems, the current practice is that on a system supporting
dnl 32-bit and 64-bit instruction sets or ABIs, 64-bit libraries go under
dnl $prefix/lib/64 (which is a symlink to either $prefix/lib/sparcv9 or
dnl $prefix/lib/amd64) and 32-bit libraries go under $prefix/lib.
AC_REQUIRE([AC_CANONICAL_HOST])
acl_libdirstem=lib
acl_libdirstem2=
case "$host_os" in
solaris*)
dnl See Solaris 10 Software Developer Collection > Solaris 64-bit Developer's Guide > The Development
Environment
dnl <http://docs.sun.com/app/docs/doc/816-5138/dev-env?l=en&a=view>.
dnl "Portable Makefiles should refer to any library directories using the 64 symbolic link."
dnl But we want to recognize the sparcv9 or amd64 subdirectory also if the
dnl symlink is missing, so we set acl_libdirstem2 too.
AC_CACHE_CHECK([for 64-bit host], [gl_cv_solaris_64bit],
[AC_EGREP_CPP([sixtyfour bits], [
#ifdef _LP64
sixtyfour bits
#endif
], [gl_cv_solaris_64bit=yes], [gl_cv_solaris_64bit=no])
])
if test $gl_cv_solaris_64bit = yes; then
acl_libdirstem=lib/64
case "$host_cpu" in
sparc*) acl_libdirstem2=lib/sparcv9 ;;
i*86 | x86_64) acl_libdirstem2=lib/amd64 ;;
esac
fi
;;
*)
searchpath=`(LC_ALL=C $CC -print-search-dirs) 2>/dev/null | sed -n -e 's,^libraries: ,,p' | sed -e 's,^=,,'`

```

```

if test -n "$searchpath"; then
  acl_save_IFS="{IFS= }"; IFS=":"
  for searchdir in $searchpath; do
    if test -d "$searchdir"; then
      case "$searchdir" in
        */lib64/ | */lib64 ) acl_libdirstem=lib64 ;;
        */./ | */..)
          # Better ignore directories of this form. They are misleading.
          ;;
        *) searchdir=`cd "$searchdir" && pwd`
          case "$searchdir" in
            */lib64 ) acl_libdirstem=lib64 ;;
            esac ;;
          esac
        fi
      done
      IFS="$acl_save_IFS"
    fi
  ;;
esac
test -n "$acl_libdirstem2" || acl_libdirstem2="$acl_libdirstem"
)

```

Found in path(s):

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-thousandeyes/m4/lib-prefix.m4

No license file was found, but licenses were detected in source scan.

```

/*_#####
_##
_## mp_v3.cpp
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
_##
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_## hereby grants a royalty-free license to any and all derivatives based
_## upon this software code base.
_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/src/mp_v3.cpp
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## log.h
_##
_## SNMP++ v3.3
_## -----
_## Copyright (c) 2001-2013 Jochen Katz, Frank Fock
_##
_## This software is based on SNMP++2.6 from Hewlett Packard:
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_##
_#####*/
```

Found in path(s):

```
* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/include/snmp_pp/log.h
```

No license file was found, but licenses were detected in source scan.

```
/*_#####
_##
_## snmpSet.cpp
_##
```

```

_## SNMP++ v3.3
_## -----
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_##
_#####*/

```

Found in path(s):

```

* /opt/cola/permits/1092443240_1602702969.27/0/snmp-pp-thousandeyes-zip/snmp_pp-
thousandeyes/consoleExamples/snmpSet.cpp

```

1.57 attr 2.4.48-5

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Version 2.1, February 1999

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```
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```

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1.60 zstd 1.4.4+dfsg-3ubuntu0.1

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*/

```
/* checkTag : validation tool for libzstd
* command :
* $ ./checkTag tag
* checkTag validates tags of following format : v[0-9].[0-9].[0-9]{any}
* The tag is then compared to zstd version number.
* They are compatible if first 3 digits are identical.
* Anything beyond that is free, and doesn't impact validation.
* Example : tag v1.8.1.2 is compatible with version 1.8.1
* When tag and version are not compatible, program exits with error code 1.
* When they are compatible, it exists with a code 0.
* checkTag is intended to be used in automated testing environment.
*/
```

1.61 osip 4.1.0-2.1

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

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

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

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- 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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Common Install process for linux/UNIX.

```
$> tar -xvzf libosip-x.x.x.tar.gz
$> mkdir bld-linux
$> CFLAGS="-I/usr/local/include/" ../configure
$> make
$> make install    (as root...)
/*
```

The oSIP library implements the Session Initiation Protocol (SIP -rfc3261-)
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*/

1.62 nghttp2 1.41.0

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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1.63 tcp-wrappers 7.6.q-30

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1.64 iconv 2.31

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1.65 apt 2.0.2ubuntu0.1

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[applies only to hppa*-*-pro* targets]

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DRuntime: Runtime Library for the D Programming Language

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@item

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

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1.71 mawk 1.3.4.20200120 2

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1.74 cpp 10-20200411-0ubuntu1

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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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1.80 grpc 1.25.0

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#
```

1.81 language-pack-en 20.04+20210121

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1.82 debconf 1.5.73

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SHA224, SHA256, SHA384, and SHA512

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1.92 python 3.8.2-1ubuntu1.1

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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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Release	Derived	Year	Owner	GPL-
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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
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
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1.93 sqlite 3.31.1-4ubuntu0.2

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<dd><p>The psow query parameter works with the default windows and unix VFSes but might be a no-op for other proprietary or non-standard VFSes.

<dd><p>One might, for example, want to query all objects that overlap with the 35th parallel: SELECT id FROM demo_index WHERE maxY>=35.0 AND minY<=35.0; But, generally speaking, the more constraints that the R*Tree module has to work with, and the smaller the bounding box, the faster the results will come back. 3.4. Roundoff Error By default, coordinates are stored in an R*Tree using 32-bit floating point values. When a coordinate cannot be exactly represented by a 32-bit floating point number, the lower-bound coordinates are rounded down and the upper-bound coordinates are rounded up. Thus, bounding boxes might be slightly larger than specified, but will never be any smaller. This is exactly what is desired for doing the more common "overlapping" queries where the application wants to find every entry in the R*Tree that overlaps a query bounding box. Rounding

the entry bounding boxes outward might cause a few extra entries to appear in an overlapping query if the edge of the entry bounding box corresponds to an edge of the query bounding box. But the overlapping query will never miss a valid table entry. However, for a "contained-within" style query, rounding the bounding boxes outward might cause some entries to be excluded from the result set if the edge of the entry bounding box corresponds to the edge of the query bounding box. To guard against this, applications should expand their contained-within query boxes slightly (by 0.000012%) by rounding down the lower coordinates and rounding up the top coordinates, in each dimension.

3.5. Reading And Writing At The Same Time

It is the nature of the Guttman R-Tree algorithm that any write might radically restructure the tree, and in the process change the scan order of the nodes. For this reason, it is not generally possible to modify the R-Tree in the middle of a query of the R-Tree. Attempts to do so will fail with a `SQLITE_LOCKED` "database table is locked" error. So, for example, suppose an application runs one query against an R-Tree like this: `SELECT id FROM demo_index WHERE maxY >= 35.0 AND minY <= 35.0`; Then for each "id" value returned, suppose the application creates an `UPDATE` statement like the following and binds the "id" value returned against the "?1" parameter: `UPDATE demo_index SET maxY = maxY + 0.5 WHERE id = ?1`; Then the `UPDATE` might fail with an `SQLITE_LOCKED` error. The reason is that the initial query has not run to completion. It is remembering its place in the middle of a scan of the R-Tree. So an update to the R-Tree cannot be tolerated as this would disrupt the scan. It is also possible to express this kind of simultaneous read and write on an R-Tree within a single query, for example if an `UPDATE` statement tries to change the value of one row of the R-Tree based on a complicated query from another row of the same R-Tree, perhaps something like this: `UPDATE demo_index SET maxY = (SELECT max(maxX) FROM demo_index AS x2 WHERE x2.maxY > demo_index.x2) WHERE maxY >= 35.0 AND minY <= 35.0`; This is a limitation of the R-Tree extension only. Ordinary tables in SQLite are able to read and write at the same time. Other virtual tables might (or might not) also that capability. And R-Tree can appear to read and write at the same time in some circumstances, if it can figure out how to reliably run the query to completion before starting the update. But you shouldn't count on that for every query. Generally speaking, it is best to avoid running queries and updates to the same R-Tree at the same time. If you really need to update an R-Tree based on complex queries against the same R-Tree, it is best to run the complex queries first and store the results in a temporary table, then update the R-Tree based on the values stored in the temporary table.

4. Using R*Trees Effectively

For SQLite versions prior to 3.24.0 (2018-06-04), the only information that an R*Tree index stores about an object is its integer ID and its bounding box. Additional information needs to be stored in separate tables and related to the R*Tree index using the primary key. For the example above, one might create an auxiliary table as follows: `CREATE TABLE demo_data(id INTEGER PRIMARY KEY, -- primary key objname TEXT, -- name of the object objtype TEXT, -- object type boundary BLOB -- detailed boundary of object);` In this example, the `demo_data.boundary` field is intended to hold some kind of binary representation of the precise boundaries of the object. The R*Tree index only holds an axis-aligned rectangular boundary for the object. The R*Tree boundary is just an approximation of the true object boundary. So what typically happens is that the R*Tree index is used to narrow a search down to a list of candidate objects and then more detailed and expensive computations are done on each candidate to find if the candidate truly meets the search criteria. Key Point: An R*Tree index does not normally provide the exact answer but merely reduces the set of potential answers from millions to dozens. Suppose the `demo_data.boundary` field holds some proprietary data description of a complex two-dimensional boundary for an object and suppose that the application has used the `sqlite3_create_function()` interface to create application-defined functions "contained_in" and "overlaps" accepting two `demo_data.boundary` objects and return true or false. One may assume that "contained_in" and "overlaps" are relatively slow functions that we do not want to invoke too frequently. Then an efficient way to find the name of all objects located within the North Carolina 12th District, one may be to run a query like this: `SELECT objname FROM demo_data, demo_index WHERE demo_data.id = demo_index.id AND contained_in(demo_data.boundary, :boundary) AND minX >= -81.0 AND maxX <= -79.6 AND minY >= 35.0 AND maxY >= 36.2`; In the query above, one would presumably bind the binary BLOB description of the precise boundary of the 12th district to the ":boundary" parameter. Notice how the query above works: The R*Tree index runs in the outer loop to find entries that are contained within the bounding box of longitude -81..-79.6 and latitude 35.0..36.2. For each object identifier found, SQLite looks up the corresponding

entry in the demo_data table. It then uses the boundary field from the demo_data table as a parameter to the contained_in() function and if that function returns true, the objname field from the demo_data table is returned as the next row of query result. One would get the same answer without the use of the R*Tree index using the following simpler query: SELECT objname FROM demo_data WHERE contained_in(demo_data.boundary, :boundary); The problem with this latter query is that it must apply the contained_in() function to millions of entries in the demo_data table. The use of the R*Tree in the penultimate query reduces the number of calls to contained_in() function to a small subset of the entire table. The R*Tree index did not find the exact answer itself, it merely limited the search space.

4.1. Auxiliary Columns Beginning with SQLite version 3.24.0 (2018-06-04), r-tree tables can have auxiliary columns that store arbitrary data. Auxiliary columns can be used in place of secondary tables such as "demo_data". Auxiliary columns are marked with a "+" symbol before the column name. Auxiliary columns must come after all of the coordinate boundary columns. There is a limit of no more than 100 auxiliary columns. The following example shows an r-tree table with auxiliary columns that is equivalent to the two tables "demo_index" and "demo_data" above: CREATE VIRTUAL TABLE demo_index2 USING rtree(id, -- Integer primary key minX, maxX, -- Minimum and maximum X coordinate minY, maxY, -- Minimum and maximum Y coordinate +objname TEXT, -- name of the object +objtype TEXT, -- object type +boundary BLOB -- detailed boundary of object);

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SQLite Consortium Agreement

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<p>This SQLite Consortium Agreement ("Agreement") is made and entered into as of the ____ day of _____, 2007 ("Effective Date") by and between _____ (the "Company"), and Hipp, Wyrick & Company, Inc., a Georgia Corporation with headquarters at 6200 Maple Cove Lane, Charlotte, NC ("Hwaci").</p>

<p>WHEREAS, Hwaci is the developer of a serverless, embeddable, public domain SQL database engine available at http://www.sqlite.org/ ("SQLite"); and</p>

<p>WHEREAS, Company wishes to support the independent development of the SQLite database engine to insure the continuing reliability, vitality, and independence of SQLite, and in connection therewith, Company wishes to provide funds for ongoing research, development, and maintenance of the SQLite code base, operation of the SQLite website, protection and maintenance of the SQLite trademark, as well as for promotion of SQLite at conferences and

trade shows; and

WHEREAS, Company wishes to receive benefits in the form of services from Hwaci in consideration for their support of SQLite; and

WHEREAS, Company and Hwaci each wish SQLite to be supported and maintained as an independent, community-driven project, and to ensure the SQLite development team remains independent.

NOW, THEREFORE, in consideration of the mutual promises contained herein, the parties agree as follows:

1.0 Definitions

1.1 SQLite Developers

The "SQLite Developers" are the employees or contractors of Hwaci engaged in the development of SQLite, including without limitation the SQLite Architect.

1.2 SQLite Architect

The "SQLite Architect" is the SQLite Developer with ultimate responsibility and authority over changes and maintenance of the SQLite code. The current SQLite Architect is the original designer and developer of SQLite, D. Richard Hipp. Hwaci may change the SQLite Architect from time to time upon approval by Company.

1.3 Consortium Member

A "Consortium Member" is a company or organization, including but not limited to Company, which has entered into an agreement with Hwaci which is substantially similar to this Agreement.

2.0 Agreement

2.1 Responsibilities And Obligations Of SQLite Developers

2.1.1 General Support

The SQLite Developers shall provide, without limit, timely and accurate answers, advice, and instruction in response to questions and comments from Company about SQLite submitted by email or by telephone at any time day or night.

2.1.2 Debugging Support

The SQLite Developers shall at Company's request provide Company with direct assistance in debugging applications that are built upon or use SQLite. The combined time for Debugging Support and Custom

Development for Company is limited to 330 hours per year.

</p>

<h4>2.1.3 Custom Development</h4>

<p>The SQLite Developers shall at the request of Company write new extensions or enhancements to SQLite according to Company's specifications. These extensions and enhancements may be proprietary to Company or open source or with the consent of both Company and the SQLite Architect may be folded into the public domain SQLite source tree. The time devoted to Custom Development for Company is limited 220 hours per year.

</p>

<h4>2.1.4 Custom Builds</h4>

The SQLite Developers shall at Company's request provide Company with specialized builds of SQLite according to Company's specifications.

</p>

<h4>2.1.5 Legacy Support</h4>

<p>The SQLite Developers shall at Company's request provide support and bug-fix patches for any historical version of SQLite.

</p>

<h4>2.1.6 Custom Testing</h4>

<p>The SQLite Developers shall at Company's request set up and run acceptance tests according Company's specifications that are specifically designed to exercise SQLite as configured and used by Company. These acceptance tests shall be run and shall pass prior to any release of SQLite.

</p>

<h4>2.1.7 Priority Bug Fixes</h4>

<p>The SQLite Developers shall assign highest priority to fixing bugs in SQLite that are reported by Company or in which Company has expressed a specific interest.

</p>

<h4>2.1.8 Code Quality</h4>

<p>The SQLite Developers shall at all times keep the SQLite source code well commented and documented and clearly structured and organized so that an experienced and competent programmer can understand it and support it after no more than a few months of study.

</p>

<h4>2.1.9 Backwards Compatibility</h4>

<p>The SQLite Developers recognize that Company uses SQLite in mission-critical applications and therefore shall work diligently

to ensure continuing bug-free correct operation and backwards compatibility with prior releases.

</p>

<h4>2.1.10 Test Coverage</h4>

<p>The SQLite Developers shall maintain the SQLite test suite such that no less than 95% source code coverage is provided.

</p>

<h4>2.1.11 Website</h4>

<p>The SQLite Developers shall maintain the SQLite website at http://www.sqlite.org in good working order and all SQLite source code shall be made freely available at such website.

</p>

<h3>2.2 Responsibilities And Obligations Of The SQLite Architect</h3>

<h4>2.2.1 Private Briefings</h4>

<p>The SQLite Architect shall, at the request of Company, provide Company with private notification and briefings of any new bugs or new features in SQLite that might effect Company's products.

</p>

<h4>2.2.2 Direction</h4>

<p>The SQLite Architect shall coordinate the activities of SQLite Developers and shall publish from time to time a roadmap of proposed future changes and enhancements to SQLite.

</p>

<h4>2.2.3 Oversight</h4>

<p>The SQLite Architect shall personally review all changes to the SQLite Source Code and take responsibility for the quality and correctness of those changes.

</p>

<h4>2.2.4 Continuity</h4>

<p>The initial SQLite Architect shall be the original developer of SQLite, D. Richard Hipp. The role of SQLite Architect shall not be assigned to another during the term of this Agreement except due to the disability of Dr. Hipp and with approval of Company.

</p>

<h3>2.3 Responsibilities And Obligations Of Hwaci</h3>

<h4>2.3.1 Employer</h4>

<p>Hwaci shall act as the employer of the SQLite Developers and SQLite Architect and shall make all tax and legal filings and tax withholding required by employers. Hwaci shall provide Company with W-9 information upon request.
</p>

<h4>2.3.2 Responsible Party</h4>

<p>All obligations of the SQLite Developers set forth in this agreement are deemed obligations of Hwaci. Hwaci shall recruit, employ, and supervise SQLite Developers in such a way that the responsibilities and obligations of the SQLite Developers set forth in this agreement are upheld.</p>

<h4>2.3.3 Multiple Developers</h4>

<p>Hwaci shall recruit and employ as many SQLite Developers for as many hours as can be reasonably achieved using the funds received from Consortium Members under this agreement. So that support for SQLite will not be interrupted by the disability or withdrawal of any one SQLite Developer, Hwaci will keep at least two knowledgeable and competent SQLite Developers on staff.</p>

<h4>2.3.4 Mentorship</h4>

<p>Hwaci shall work to encourage independent programmers from around the world to become familiar with SQLite internals so that there will be a pool of talent able to support SQLite in the future.
</p>

<h4>2.3.5 Audits</h4>

<p>Hwaci shall keep and maintain complete and accurate records of the use of development funds provided by Company and shall allow Company, or its representative, a certified public accountant mutually acceptable to Hwaci and Company, during office hours and at reasonable intervals, no more than once every 12 months, to inspect and make extracts or copies of such records solely for the purpose of ascertaining Hwaci's compliance with the objectives and requirements of this agreement.
</p>

<h4>2.3.6 Disaster Planning</h4>

<p>Hwaci shall maintain backup copies of all SQLite source files and documentation, current and historical, at at least two separate locations separated from each other and from the primary on-line SQLite repository by at least 400 kilometers.
</p>

<h4>2.3.7 Trademark</h4>

<p>Hwaci shall maintain ownership of the SQLite trademark and the sqlite.org domain name and shall purchase bandwidth and server space for the http://www.sqlite.org/ website.</p>

<h4>2.3.8 No Take-overs or Buy-outs</h4>

<p>Neither Hwaci nor the SQLite Architect shall relinquish development control of SQLite during the term of this Agreement, by acquisition or merger or by any other means, except with the consent of Company.</p>

<h4>2.3.9 New Consortium Members</h4>

<p>New Consortium Members may be accepted into the consortium from time to time under identical terms as this agreement, or under substantially similar terms that have been approved by existing Consortium Members.</p>

<h4>2.3.10 Adequate Staff</h4>

Hwaci shall recruit and employ a sufficient number of qualified SQLite Developers to easily cover all custom development, debugging, and general support service obligations for all Consortium Members while still providing ample time for the SQLite Developers to engage in general maintenance and extension of SQLite.</p>

<h4>2.3.11 Use Of Funds</h4>

<p>Hwaci shall use the funds provided hereunder solely for the development and maintenance of SQLite as set forth in this Agreement. Interest on funds received in advance and held in trust will be reinvested and used for the same purposes as the principal.</p>

<h3>2.4 Responsibilities And Obligations Of Company</h3>

<h4>2.4.1 Funding</h4>

<p>Company shall provide funding for the ongoing support and maintenance of SQLite as set forth in section 3.0 "Fees".</p>

<h4>2.4.2 Copyright Disclaimer</h4>

<p>Company acknowledges that SQLite source code and documentation published on the SQLite website is in the public domain and that nothing in this agreement shall change

that fact.

</p>

<h2>3.0 Fees</h2>

<p>In consideration of the performance by Hwaci, the SQLite Developers, and the SQLite Architect of the obligations described herein, Company shall pay Hwaci at least US \$75,000 per year in advance either annually, quarterly, or monthly, at Company's discretion.</p>

<h2>4.0 Confidentiality</h2>

<h3>4.1 Definition of Confidential Information</h3>

<p>"Confidential Information" means any Company proprietary information, technical data, trade secrets or know-how, including, but not limited to, research, product plans, products, services, customers, customer lists, markets, software, developments, inventions, processes, formulas, technology, designs, drawings, engineering, hardware configuration information, marketing, finances or other business information disclosed by Company either directly or indirectly in writing, orally or by drawings or inspection of parts or equipment.</p>

<h3>4.2 Non-Use and Non-Disclosure.</h3>

<p>Hwaci shall not, during or subsequent to the term of this Agreement, use Company's Confidential Information for any purpose whatsoever other than the performance of the Services or disclose Company's Confidential Information to any third party. The parties acknowledge that Confidential Information will remain the sole property of Company. Hwaci shall take all reasonable precautions to prevent any unauthorized disclosure of Confidential Information including, but not limited to, having each employee or consultant of Hwaci, if any, with access to any Confidential Information, execute a nondisclosure agreement containing provisions in Company's favor substantially similar to this Agreement. Confidential Information does not include information that: (i) is known to Hwaci at the time of disclosure to Hwaci by Company as evidenced by written records of Hwaci; (ii) has become publicly known and made generally available through no wrongful act of Hwaci; or (iii) has been received by Hwaci from a third party who is authorized to make such disclosure.</p>

<h4>4.2.1 Disclosure Required by Law</h4>

In the event any Confidential Information is required to be disclosed by Hwaci under the terms of a valid and effective subpoena or order

issued by a court of competent jurisdiction, or by a demand or information request from an executive or administrative agency or other governmental authority, Hwaci shall, unless prohibited by the terms of a subpoena, order, or demand, promptly notify Company of the existence, terms and circumstances surrounding such demand or request, shall consult with Company on the advisability of taking legally available steps to resist or narrow such demand or request, and, if disclosure of such Confidential Information is required, shall exercise its reasonable best efforts to narrow the scope of disclosure and obtain an order or other reliable assurance that confidential treatment will be accorded to such Confidential Information. To the extent that Hwaci is prohibited from notifying Company of a subpoena, order or demand, by the terms of same, Hwaci shall exercise its reasonable efforts to narrow the scope of disclosure.</p>

<h3>4.3 Return of Materials.</h3>

<p>Upon the termination of this Agreement, or upon Company's earlier request, Hwaci shall deliver to Company all of Company's property or Confidential Information that Hwaci may have in Hwaci's possession or control.</p>

<h2>5.0 Intellectual Property</h2>

<h3>5.1 No Assignment</h3>

<p>Company acknowledges that all copyrightable material, notes, records, drawings, designs, inventions, improvements, developments, discoveries and trade secrets made, generated, conceived, or reduced to practice by Hwaci related to SQLite will remain the property of Hwaci. Nothing in this Agreement will be construed to transfer any intellectual property right of Hwaci to Company.</p>

<h3>5.2 Availability and Public Domain Dedication</h3>

<p>The SQLite Developers and Hwaci shall, subject to their discretion as to the quality and suitability of the SQLite source code and documentation for public release, make the SQLite source code and documentation publicly available as downloadable files and make a public statement ceding all intellectual property rights, including but not limited to copyright and patent rights, in the SQLite source code and documentation to the public domain.

To the extent that the SQLite Developers and Hwaci elect not to release the SQLite source code and documentation publicly, they shall provide copies thereof to Company and hereby grants to Company, under all of the SQLite Developers' and Hwaci's rights including but not limited to copyright and patent rights, in and to the SQLite source code and documentation, perpetual, irrevocable, worldwide, non-exclusive, sublicenseable license to use, copy, prepare derivative works of, publicly perform and display the SQLite source code and documentation and derivative works thereof.</p>

<h3>5.3 Trademark</h3>

<p>Hwaci shall use the name "SQLite" only to apply to the publicly available project known by such name as of the Effective Date. Hwaci may in its discretion file such trademark applications or registrations as it deems appropriate to protect or record its rights therein, and may set such policies as it deems appropriate for licensing the use of the trademark.</p>

<h2>6.0 Representations And Warranties</h2>

<h3>6.1 Intellectual Property Clearances.</h3>

<p>Hwaci hereby represents and warrants that Hwaci shall enter into agreements with the SQLite Developers sufficient to enable Hwaci to undertake the obligations of Section 5.</p>

<h3>6.2 Disclaimer.</h3>

<p>THE WORK PRODUCT AND ALL MATERIAL PROVIDED BY HWACI AND COMPANY ARE PROVIDED "AS IS." NEITHER PARTY MAKES ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND, WHETHER ORAL OR WRITTEN, WHETHER EXPRESS, IMPLIED, OR ARISING BY STATUTE, CUSTOM, COURSE OF DEALING OR TRADE USAGE, WITH RESPECT TO THE SUBJECT MATTER HEREOF, IN CONNECTION WITH THIS AGREEMENT. EACH PARTY SPECIFICALLY DISCLAIMS ANY AND ALL IMPLIED WARRANTIES OR CONDITIONS OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT.</p>

<h2>7.0 Term And Termination</h2>

<h3>7.1 Term.</h3>

<p>This Agreement will commence on the Effective Date and will continue until 12 months after the Effective Date. Thereafter, the parties may by mutual consent renew this Agreement subject to agreement on fees to be paid by Company for sponsorship for additional periods.</p>

<h3>7.2 Termination.</h3>

<p>If either party materially defaults in the performance of any of its material obligations hereunder and if any such default is not corrected within 30 days after notice in writing, then the non-defaulting party, at its option, may, in addition to any other remedies it may have, thereupon terminate this Agreement by giving written notice of termination to the defaulting party.</p>

<h3>7.3 Survival.</h3>

<p>Upon such termination all rights and duties of the parties toward each other will cease except: Sections 4 (Confidentiality), 5 (Intellectual Property), and 8 (Miscellaneous) will survive termination of this Agreement.</p>

<h2>8. Miscellaneous</h2>

<h3>8.1 Nonassignment/Binding Agreement.</h3>

<p>The parties acknowledge that the unique nature of Hwaci's services are substantial consideration for the parties' entering into this Agreement. Neither this Agreement nor any rights under this Agreement may be assigned or otherwise transferred by Hwaci, in whole or in part, whether voluntarily or by operation of law, without the prior written consent of Company, which consent will not be unreasonably withheld. Subject to the foregoing, this Agreement will be binding upon and will inure to the benefit of the parties and their respective successors and assigns. Any assignment in violation of the foregoing will be null and void.</p>

<h3>8.2 Notices.</h3>

<p>Any notice required or permitted under the terms of this Agreement or required by law must be in writing and must be: (a) delivered in person; (b) sent by first class registered mail, or air mail, as appropriate; or (c) sent by overnight air courier, in each case properly

posted and fully prepaid to the appropriate address set forth in the preamble to this Agreement. Either party may change its address for notice by notice to the other party given in accordance with this Section. Notices will be considered to have been given at the time of actual delivery in person, three business days after deposit in the mail as set forth above, or one day after delivery to an overnight air courier service.</p>

<h3>8.3 Waiver.</h3>

<p>Any waiver of the provisions of this Agreement or of a party's rights or remedies under this Agreement must be in writing to be effective. Failure, neglect, or delay by a party to enforce the provisions of this Agreement or its rights or remedies at any time, will not be construed as a waiver of such party's rights under this Agreement and will not in any way affect the validity of the whole or any part of this Agreement or prejudice such party's right to take subsequent action. No exercise or enforcement by either party of any right or remedy under this Agreement will preclude the enforcement by such party of any other right or remedy under this Agreement or that such party is entitled by law to enforce.</p>

<h3>8.4 Severability.</h3>

<p>If any term, condition, or provision in this Agreement is found to be invalid, unlawful or unenforceable to any extent, the parties shall endeavor in good faith to agree to such amendments that will preserve, as far as possible, the intentions expressed in this Agreement. If the parties fail to agree on such an amendment, such invalid term, condition or provision will be severed from the remaining terms, conditions and provisions, which will continue to be valid and enforceable to the fullest extent permitted by law.</p>

<h3>8.5 Integration.</h3>

<p>This Agreement contains the entire agreement of the parties with respect to the subject matter of this Agreement and supersedes all previous communications, representations, understandings and agreements, either oral or written, between the parties with respect to said subject matter. This Agreement may not be amended, except by a writing signed by both parties.</p>

8.6 Counterparts.

This Agreement may be executed in counterparts, each of which so executed will be deemed to be an original and such counterparts together will constitute one and the same agreement.

8.7 Governing Law.

This Agreement will be interpreted and construed in accordance with the laws of the State of North Carolina and the United States of America, without regard to conflict of law principles. All disputes arising out of this Agreement will be subject to the exclusive jurisdiction of the state and federal courts located in North Carolina, and each party hereby consents to the personal jurisdiction thereof.

8.8 Independent Contractors.

It is the intention of the parties that Hwaci is an independent contractor. Nothing in this Agreement will in any way be construed to constitute Hwaci or any of its employees as an agent, employee or representative of Company.

9.0 Signatures

The parties have executed this Agreement below to indicate their acceptance of its terms.

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No license file was found, but licenses were detected in source scan.

SQLite is high-quality, public domain software. The goal of members can also request their own private, proprietary extensions

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No license file was found, but licenses were detected in source scan.

<p>SQLite itself is in the public domain and can be used for any purpose. But TH3 is proprietary and requires a license.

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No license file was found, but licenses were detected in source scan.

SQLite core and like the SQLite core are in the public domain. The The TH3 test harness is a set of proprietary tests, written in <p>Beginning in late 2018, SQLite has been fuzzed using a new proprietary

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If N>0 then the connection is free to use more of the WAL file beyond

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application code is free to use these routines as well, if desired.

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No license file was found, but licenses were detected in source scan.

<p>Public domain</p>

The source code for SQLite is in the public domain. No claim of copyright

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other proprietary or non-standard VFSes.

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public domain. No claim of ownership is made

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<h2>Proprietary SQLite Extensions</h2>

public domain. But there also exist proprietary, licensed extensions to SQLite.</p>

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application is free to use the same database connection or the

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Suppose the demo_data.boundary field holds some proprietary data description

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<p>FOR IMMEDIATE RELEASE:</p>

<h2 align="center">SQLite Consortium Launches With Mozilla And Symbian As Charter Members</h2>

<h3 align="center">Ensures independent technical direction for world's most deployed SQL database engine</h3>

<p>Charlotte, North Carolina - December 12, 2007 - The SQLite Consortium, a new membership association dedicated to maintaining SQLite as a fully open and independent product, was formally announced today. Mozilla and Symbian Ltd.

have joined the SQLite Consortium as charter members.<p>

<p>SQLite is a compact, high efficiency, high reliability, embeddable SQL database engine. The source code to SQLite is in the public domain and is available with no associated fees. SQLite is the most deployed SQL database engine in the world and is currently used in a wide range of commercial software products and electronic devices from leading manufacturers. SQLite is found today in many mobile phones, MP3 players, set-top boxes, and PCs.</p>

<p>The mission of the SQLite Consortium is to continue developing and enhancing SQLite as a product that anyone may use without paying royalties or licensing fees. Members of the SQLite Consortium provide funding to enable this mission and in return receive enterprise-level technical support. Technical control and direction of SQLite remains entirely with the SQLite developers.</p>

<p>Mozilla, developer of the popular open-source Firefox web browser, and Symbian, the market-leading open operating system for advanced data-enabled smartphones, both deploy the SQLite database engine in their products. As charter members of the Consortium, Mozilla and Symbian are ensuring the development and support of SQLite as a freely accessible and public domain software asset.</p>

<p>"SQLite has become a popular embedded database because it is lightweight, fast, and open source," said Michael Schroepfer, Vice President of Engineering, Mozilla. "As a charter member of the SQLite Consortium, Mozilla is excited to help ensure SQLite remains a vibrant and open technology, in line with our mission to promote choice and innovation on the Internet."</p>

<p>"The SQLite Consortium will help set the standards for database management which are essential in smartphone functionality and will also help create a pool of developers, highly-skilled in SQLite for future mobile phone development, " said Bruce Carney, Director, Developer Programmes & Services, Symbian. "Our involvement with the SQL Consortium not only demonstrates Symbian's commitment to open standards in the industry, but as mobile phones become increasingly powerful and smartphones become increasingly popular, we are focused on ensuring that desktop developers, who move to the mobile space, have the easiest and most productive experience possible."</p>

<p>SQLite is a winner of the 2005 Google/O'Reilly Open Source Award. Additional information regarding the SQLite Consortium is available at the SQLite website, <http://www.sqlite.org/>.</p>

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<p>About SQLite</p>

<p>SQLite is a software library that implements a self-contained, embeddable,

serverless, zero-configuration, transactional SQL database engine. The code for SQLite is in the public domain and is free for any use, commercial or private. SQLite is currently found in countless software titles and electronic devices.</p>

<p>SQLite was originally developed and released 2000 by Dr. D. Richard Hipp. The code continues to be maintained and enhanced by an international team of developers under Hipp's direction.</p>

<p>
CONTACT INFORMATION:

SQLite Consortium

Dr. D. Richard Hipp

6200 Maple Cove Lane

Charlotte, NC 28269

Email: drh@sqlite.org

<http://www.sqlite.org/>

Tel: +1.704.948.4565
</p>

<p>About Mozilla</p>

<p>Mozilla is a global community dedicated to building free, open source products and technologies that improve the online experience for people everywhere. Mozilla works in the open with a highly disciplined, transparent and cooperative development process, under the umbrella of the non-profit Mozilla Foundation. As a wholly owned subsidiary, the Mozilla Corporation organizes the development and marketing of Mozilla products. This unique structure has enabled Mozilla to financially support and cultivate competitive, viable community innovation. For more information, visit www.mozilla.com.</p>

<p>CONTACT INFORMATION:

Mozilla Corporation

Jessica Waight

Tel: +1.415.345.4754

Email: jwaight@outcastpr.com
</p>

<p>About Symbian Limited</p>

<p>Symbian is a software licensing company that develops and licenses Symbian OS, the market-leading open operating system for advanced, data-enabled mobile phones known as smartphones.</p>

<p>Symbian licenses Symbian OS to the world's leading handset manufacturers and has built close co-operative business relationships with leading companies across the mobile industry. During Q3 2007, 20.4 million Symbian smartphones

were sold worldwide to over 250 major network operators, bringing the total number of Symbian smartphones shipped up to 30 September 2007 to 165 million.</p>

<p>Symbian has its headquarters in London, United Kingdom, with offices in the United States, United Kingdom, Asia (India, P.R. China, and Korea) and Japan. For more information, please visit www.symbian.com.</p>

<p>CONTACT INFORMATION:

Symbian Global Press Office

Karen Hamblen

+44 207 154 1707

press@symbian.com

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access to all proprietary extensions and test suites.

access to all proprietary extensions and test suites.

public domain,</p>

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 Public domain source code

public domain and is thus free for

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No license file was found, but licenses were detected in source scan.

```
#!/usr/bin/tclsh.docsrc
```

```
#### Import of wapp.tcl
```

```
# Copyright (c) 2017 D. Richard Hipp
```

```
#
```

```
# This program is free software; you can redistribute it and/or
```

```
# modify it under the terms of the Simplified BSD License (also
```

```
# known as the "2-Clause License" or "FreeBSD License".)
```

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#
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```
# This program is distributed in the hope that it will be useful,
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# but without any warranty; without even the implied warranty of
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# merchantability or fitness for a particular purpose.
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#
# Design rules:
#
# (1) All identifiers in the global namespace begin with "wapp"
#
# (2) Identifiers intended for internal use only begin with "wappInt"
#

# Add text to the end of the HTTP reply. No interpretation or transformation
# of the text is performed. The argument should be enclosed within {...}
#
proc wapp {txt} {
    global wapp
    dict append wapp .reply $txt
}

# Add text to the page under construction. Do no escaping on the text.
#
# Though "unsafe" in general, there are uses for this kind of thing.
# For example, if you want to return the complete, unmodified content of
# a file:
#
#     set fd [open content.html rb]
#     wapp-unsafe [read $fd]
#     close $fd
#
# You could do the same thing using ordinary "wapp" instead of "wapp-unsafe".
# The difference is that wapp-safety-check will complain about the misuse
# of "wapp", but it assumes that the person who writes "wapp-unsafe" understands
# the risks.
#
# Though occasionally necessary, the use of this interface should be minimized.
#
proc wapp-unsafe {txt} {
    global wapp
    dict append wapp .reply $txt
}

# Add text to the end of the reply under construction. The following
# substitutions are made:
#
# %html(...)    Escape text for inclusion in HTML
# %url(...)     Escape text for use as a URL
# %qp(...)      Escape text for use as a URI query parameter
# %string(...)  Escape text for use within a JSON string
# %unsafe(...)  No transformations of the text
#
# The substitutions above terminate at the first ")" character. If the

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# text of the TCL string in ... contains ")" characters itself, use instead:
#
# %html%(...)%
# %url%(...)%
# %qp%(...)%
# %string%(...)%
# %unsafe%(...)%
#
# In other words, use "%(...)" instead of "(...)" to include the TCL string
# to substitute.
#
# The %unsafe substitution should be avoided whenever possible, obviously.
# In addition to the substitutions above, the text also does backslash
# escapes.
#
proc wapp-subst {txt} {
    global wapp
    regsub -all {% (html|url|qp|string|unsafe){1,1} ?(|%)\((.+)\)\2} $txt \
        {[wappInt-enc-\1 "\3"]} txt
    dict append wapp .reply [uplevel 1 [list subst -novariables $txt]]
}

# Works like wapp-subst, but also removes whitespace from the beginning
# of lines.
#
proc wapp-trim {txt} {
    global wapp
    regsub -all {\n\s+} [string trim $txt] \n txt
    regsub -all {% (html|url|qp|string|unsafe){1,1} ?(|%)\((.+)\)\2} $txt \
        {[wappInt-enc-\1 "\3"]} txt
    dict append wapp .reply [uplevel 1 [list subst -novariables $txt]]
}

# There must be a wappInt-enc-NAME routine for each possible substitution
# in wapp-subst. Thus there are routines for "html", "url", "qp", and "unsafe".
#
# wappInt-enc-html      Escape text so that it is safe to use in the
#                        body of an HTML document.
#
# wappInt-enc-url       Escape text so that it is safe to pass as an
#                        argument to href= and src= attributes in HTML.
#
# wappInt-enc-qp        Escape text so that it is safe to use as the
#                        value of a query parameter in a URL or in
#                        post data or in a cookie.
#
# wappInt-enc-string    Escape ", ', \, and < for using inside of a
#                        javascript string literal. The < character

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global wapp
dict lappend wapp .reply-extra $name $value
}

# Specifies how the web-page under construction should be cached.
# The argument should be one of:
#
# no-cache
# max-age=N      (for some integer number of seconds, N)
# private,max-age=N
#
proc wapp-cache-control {x} {
    wapp-reply-extra Cache-Control $x
}

# Redirect to a different web page
#
proc wapp-redirect {uri} {
    wapp-reply-code {307 Redirect}
    wapp-reply-extra Location $uri
}

# Return the value of a wapp parameter
#
proc wapp-param {name {dflt {}}} {
    global wapp
    if {![dict exists $wapp $name]} {return $dflt}
    return [dict get $wapp $name]
}

# Return true if a and only if the wapp parameter $name exists
#
proc wapp-param-exists {name} {
    global wapp
    return [dict exists $wapp $name]
}

# Set the value of a wapp parameter
#
proc wapp-set-param {name value} {
    global wapp
    dict set wapp $name $value
}

# Return all parameter names that match the GLOB pattern, or all
# names if the GLOB pattern is omitted.
#
proc wapp-param-list {{glob {*}}} {

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global wapp
return [dict keys $wapp $glob]
}

# By default, Wapp does not decode query parameters and POST parameters
# for cross-origin requests. This is a security restriction, designed to
# help prevent cross-site request forgery (CSRF) attacks.
#
# As a consequence of this restriction, URLs for sites generated by Wapp
# that contain query parameters will not work as URLs found in other
# websites. You cannot create a link from a second website into a Wapp
# website if the link contains query planner, by default.
#
# Of course, it is sometimes desirable to allow query parameters on external
# links. For URLs for which this is safe, the application should invoke
# wapp-allow-xorigin-params. This procedure tells Wapp that it is safe to
# go ahead and decode the query parameters even for cross-site requests.
#
# In other words, for Wapp security is the default setting. Individual pages
# need to actively disable the cross-site request security if those pages
# are safe for cross-site access.
#
proc wapp-allow-xorigin-params { } {
    global wapp
    if {![dict exists $wapp .qp] && ![dict get $wapp SAME_ORIGIN]} {
        wappInt-decode-query-params
    }
}

# Set the content-security-policy.
#
# The default content-security-policy is very strict: "default-src 'self'"
# The default policy prohibits the use of in-line javascript or CSS.
#
# Provide an alternative CSP as the argument. Or use "off" to disable
# the CSP completely.
#
proc wapp-content-security-policy {val} {
    global wapp
    if {$val=="off"} {
        dict unset wapp .csp
    } else {
        dict set wapp .csp $val
    }
}

# Examine the bodys of all procedures in this program looking for
# unsafe calls to various Wapp interfaces. Return a text string

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# containing warnings. Return an empty string if all is ok.
#
# This routine is advisory only. It misses some constructs that are
# dangerous and flags others that are safe.
#
proc wapp-safety-check {} {
  set res {}
  foreach p [info procs] {
    set ln 0
    foreach x [split [info body $p] \n] {
      incr ln
      if {[regexp {^[ \t]*wapp[ \t]+([\n]+)} $x all tail]
        && [string index $tail 0]!="\173"
        && [regexp {{{}} $tail]
      } {
        append res "$p:$ln: unsafe \"wapp\" call: \"[string trim $x]\"\n"
      }
      if {[regexp {^[ \t]*wapp-(subst|trim)[ \t]+([\n]+)} $x all cx]} {
        append res "$p:$ln: unsafe \"wapp-$cx\" call: \"[string trim $x]\"\n"
      }
    }
  }
  return $res
}

# Return a string that describes the current environment. Applications
# might find this useful for debugging.
#
proc wapp-debug-env {} {
  global wapp
  set out {}
  foreach var [lsort [dict keys $wapp]] {
    if {[string index $var 0]=="."} continue
    append out "$var = [list [dict get $wapp $var]]\n"
  }
  append out "\[pwd\] = [list [pwd]]\n"
  return $out
}

# Tracing function for each HTTP request. This is overridden by wapp-start
# if tracing is enabled.
#
proc wappInt-trace {} {}

# Start up a listening socket. Arrange to invoke wappInt-new-connection
# for each inbound HTTP connection.
#
# port      Listen on this TCP port. 0 means to select a port

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#         that is not currently in use
#
#  wappmode    One of "scgi", "server", or "local".
#
proc wappInt-start-listener {port wappmode} {
  if {$wappmode=="scgi"} {
    set type SCGI
    set server [list wappInt-new-connection wappInt-scgi-readable $wappmode]
  } else {
    set type HTTP
    set server [list wappInt-new-connection wappInt-http-readable $wappmode]
  }
  if {$wappmode=="local"} {
    set x [socket -server $server -myaddr 127.0.0.1 $port]
  } else {
    set x [socket -server $server $port]
  }
  set coninfo [chan configure $x -sockname]
  set port [lindex $coninfo 2]
  if {$wappmode=="local"} {
    wappInt-start-browser http://127.0.0.1:$port/
  } else {
    puts "Listening for $type requests on TCP port $port"
  }
}

# Start a web-browser and point it at $URL
#
proc wappInt-start-browser {url} {
  global tcl_platform
  if {$tcl_platform(platform)=="windows"} {
    exec cmd /c start $url &
  } elseif {$tcl_platform(os)=="Darwin"} {
    exec open $url &
  } elseif {[catch {exec xdg-open $url}]} {
    exec firefox $url &
  }
}

# This routine is a "socket -server" callback.  The $chan, $ip, and $port
# arguments are added by the socket command.
#
# Arrange to invoke $callback when content is available on the new socket.
# The $callback will process inbound HTTP or SCGI content.
#
proc wappInt-new-connection {callback wappmode chan ip port} {
  upvar #0 wappInt-$chan W
  set W [dict create REMOTE_ADDR $ip REMOTE_PORT $port WAPP_MODE $wappmode \

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        .header {}
fconfigure $chan -blocking 0 -translation binary
fileevent $chan readable [list $callback $chan]
}

# Close an input channel
#
proc wappInt-close-channel {chan} {
    if {$chan=="stdout"} {
        # This happens after completing a CGI request
        exit 0
    } else {
        unset ::wappInt-$chan
        close $chan
    }
}

# Process new text received on an inbound HTTP request
#
proc wappInt-http-readable {chan} {
    if {[catch [list wappInt-http-readable-unsafe $chan] msg]} {
        puts stderr "$msg\n$::errorInfo"
        wappInt-close-channel $chan
    }
}

proc wappInt-http-readable-unsafe {chan} {
    upvar #0 wappInt-$chan W wapp wapp
    if {![dict exists $W .toread]} {
        # If the .toread key is not set, that means we are still reading
        # the header
        set line [string trimright [gets $chan]]
        set n [string length $line]
        if {$n>0} {
            if {[dict get $W .header]=="" || [regexp {^\s+} $line]} {
                dict append W .header $line
            } else {
                dict append W .header \n$line
            }
        }
        if {[string length [dict get $W .header]]>100000} {
            error "HTTP request header too big - possible DOS attack"
        }
    } elseif {$n==0} {
        # We have reached the blank line that terminates the header.
        global argv0
        set a0 [file normalize $argv0]
        dict set W SCRIPT_FILENAME $a0
        dict set W DOCUMENT_ROOT [file dir $a0]
        if {[wappInt-parse-header $chan]} {

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    catch {close $chan}
    return
}
set len 0
if {[dict exists $W CONTENT_LENGTH]} {
    set len [dict get $W CONTENT_LENGTH]
}
if {$len>0} {
    # Still need to read the query content
    dict set W .toread $len
} else {
    # There is no query content, so handle the request immediately
    set wapp $W
    wappInt-handle-request $chan 0
}
}
} else {
    # If .toread is set, that means we are reading the query content.
    # Continue reading until .toread reaches zero.
    set got [read $chan [dict get $W .toread]]
    dict append W CONTENT $got
    dict set W .toread [expr {[dict get $W .toread]-[string length $got]}]
    if {[dict get $W .toread]<=0} {
        # Handle the request as soon as all the query content is received
        set wapp $W
        wappInt-handle-request $chan 0
    }
}
}

# Decode the HTTP request header.
#
# This routine is always running inside of a [catch], so if
# any problems arise, simply raise an error.
#
proc wappInt-parse-header {chan} {
    upvar #0 wappInt-$chan W
    set hdr [split [dict get $W .header] \n]
    if {$hdr==""} {return 1}
    set req [lindex $hdr 0]
    dict set W REQUEST_METHOD [set method [lindex $req 0]]
    if {[lsearch {GET HEAD POST} $method]<0} {
        error "unsupported request method: \"[dict get $W REQUEST_METHOD]\""
    }
    set uri [lindex $req 1]
    set split_uri [split $uri ?]
    set uri0 [lindex $split_uri 0]
    if {![regexp {^[-.a-z0-9_/*$} $uri0]} {

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    error "invalid request uri: \"${uri0}\""
}
dict set W REQUEST_URI $uri0
dict set W PATH_INFO $uri0
set uri1 [lindex $split_uri 1]
dict set W QUERY_STRING $uri1
set n [length $hdr]
for {set i 1} {$i<$n} {incr i} {
    set x [lindex $hdr $i]
    if {[regexp {^(.+):+(.*)$} $x all name value]} {
        error "invalid header line: \"$x\""
    }
    set name [string toupper $name]
    switch -- $name {
        REFERER {set name HTTP_REFERER}
        USER-AGENT {set name HTTP_USER_AGENT}
        CONTENT-LENGTH {set name CONTENT_LENGTH}
        CONTENT-TYPE {set name CONTENT_TYPE}
        HOST {set name HTTP_HOST}
        COOKIE {set name HTTP_COOKIE}
        ACCEPT-ENCODING {set name HTTP_ACCEPT_ENCODING}
        default {set name .hdr:$name}
    }
    dict set W $name $value
}
return 0
}

# Decode the QUERY_STRING parameters from a GET request or the
# application/x-www-form-urlencoded CONTENT from a POST request.
#
# This routine sets the ".qp" element of the ::wapp dict as a signal
# that query parameters have already been decoded.
#
proc wappInt-decode-query-params {} {
    global wapp
    dict set wapp .qp 1
    if {[dict exists $wapp QUERY_STRING]} {
        foreach qterm [split [dict get $wapp QUERY_STRING] &] {
            set qsplit [split $qterm =]
            set nm [lindex $qsplit 0]
            if {[regexp {[a-z][a-z0-9]*$} $nm]} {
                dict set wapp $nm [wappInt-decode-url [lindex $qsplit 1]]
            }
        }
    }
}

if {[dict exists $wapp CONTENT_TYPE] && [dict exists $wapp CONTENT]} {
    set ctype [dict get $wapp CONTENT_TYPE]
}

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} else {
    dict set wapp BASE_URL http://[dict get $wapp HTTP_HOST]
}
if {[dict exists $wapp REQUEST_URI]} {
    dict set wapp REQUEST_URI /
} elseif {[regsub {\?.*} [dict get $wapp REQUEST_URI] {} newR]} {
    # Some servers (ex: nginx) append the query parameters to REQUEST_URI.
    # These need to be stripped off
    dict set wapp REQUEST_URI $newR
}
if {[dict exists $wapp SCRIPT_NAME]} {
    dict append wapp BASE_URL [dict get $wapp SCRIPT_NAME]
} else {
    dict set wapp SCRIPT_NAME {}
}
if {[dict exists $wapp PATH_INFO]} {
    # If PATH_INFO is missing (ex: nginx) the construct it
    set URI [dict get $wapp REQUEST_URI]
    set skip [string length [dict get $wapp SCRIPT_NAME]]
    dict set wapp PATH_INFO [string range $URI $skip end]
}
if {[regexp {^(/[^\+](.*)$} [dict get $wapp PATH_INFO] all head tail]} {
    dict set wapp PATH_HEAD $head
    dict set wapp PATH_TAIL [string trimleft $tail /]
} else {
    dict set wapp PATH_INFO {}
    dict set wapp PATH_HEAD {}
    dict set wapp PATH_TAIL {}
}
dict set wapp SELF_URL [dict get $wapp BASE_URL]/[dict get $wapp PATH_HEAD]

# Parse query parameters from the query string, the cookies, and
# POST data
#
if {[dict exists $wapp HTTP_COOKIE]} {
    foreach qterm [split [dict get $wapp HTTP_COOKIE] {;}] {
        set qsplit [split [string trim $qterm] =]
        set nm [lindex $qsplit 0]
        if {[regexp {^[a-z][-a-z0-9]*$} $nm]} {
            dict set wapp $nm [wappInt-decode-url [lindex $qsplit 1]]
        }
    }
}
set same_origin 0
if {[dict exists $wapp HTTP_REFERER]} {
    set referer [dict get $wapp HTTP_REFERER]
    set base [dict get $wapp BASE_URL]
    if {$referer==$base || [string match $base/* $referer]} {

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    set same_origin 1
  }
}
dict set wapp SAME_ORIGIN $same_origin
if {$same_origin} {
  wappInt-decode-query-params
}

# Invoke the application-defined handler procedure for this page
# request. If an error occurs while running that procedure, generate
# an HTTP reply that contains the error message.
#
wapp-before-dispatch-hook
wappInt-trace
set mname [dict get $wapp PATH_HEAD]
if {[catch {
  if {$mname!=" " && [length [info proc wapp-page-$mname]]>0} {
    wapp-page-$mname
  } else {
    wapp-default
  }
} msg]} {
  if {[wapp-param WAPP_MODE]=="local" || [wapp-param WAPP_MODE]=="server"} {
    puts "ERROR: $::errorInfo"
  }
  wapp-reset
  wapp-reply-code "500 Internal Server Error"
  wapp-mimetype text/html
  wapp-trim {
    <h1>Wapp Application Error</h1>
    <pre>%html($::errorInfo)</pre>
  }
  dict unset wapp .new-cookies
}

# Transmit the HTTP reply
#
if {$chan=="stdout"} {
  puts $chan "Status: [dict get $wapp .reply-code]\r"
} else {
  puts $chan "HTTP/1.1 [dict get $wapp .reply-code]\r"
  puts $chan "Server: wapp\r"
  puts $chan "Connection: close\r"
}
if {[dict exists $wapp .reply-extra]} {
  foreach {name value} [dict get $wapp .reply-extra] {
    puts $chan "$name: $value\r"
  }
}

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}
if {[dict exists $wapp .csp]} {
  puts $chan "Content-Security-Policy: [dict get $wapp .csp]\r"
}
set mimetype [dict get $wapp .mimetype]
puts $chan "Content-Type: $mimetype\r"
if {[dict exists $wapp .new-cookies]} {
  foreach {nm val} [dict get $wapp .new-cookies] {
    if {[regexp {[a-z][-a-z0-9_]*$} $nm]} {
      if {$val==""} {
        puts $chan "Set-Cookie: $nm=; HttpOnly; Path=/; Max-Age=1\r"
      } else {
        set val [wappInt-enc-url $val]
        puts $chan "Set-Cookie: $nm=$val; HttpOnly; Path=^\r"
      }
    }
  }
}
if {[string match text/* $mimetype]} {
  set reply [encoding convertto utf-8 [dict get $wapp .reply]]
  if {[regexp {\ygzip\y} [wapp-param HTTP_ACCEPT_ENCODING]]} {
    catch {
      set x [zlib gzip $reply]
      set reply $x
      puts $chan "Content-Encoding: gzip\r"
    }
  }
} else {
  set reply [dict get $wapp .reply]
}
puts $chan "Content-Length: [string length $reply]\r"
puts $chan \r
puts $chan $reply
flush $chan
wappInt-close-channel $chan
}

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# This routine runs just prior to request-handler dispatch. The
# default implementation is a no-op, but applications can override
# to do additional transformations or checks.
#

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proc wapp-before-dispatch-hook {} {return}

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# Process a single CGI request
#

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proc wappInt-handle-cgi-request {} {

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  global wapp env

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  foreach key {

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CONTENT_LENGTH
CONTENT_TYPE
DOCUMENT_ROOT
HTTP_ACCEPT_ENCODING
HTTP_COOKIE
HTTP_HOST
HTTP_REFERER
HTTP_USER_AGENT
HTTPS
PATH_INFO
QUERY_STRING
REMOTE_ADDR
REQUEST_METHOD
REQUEST_URI
REMOTE_USER
SCRIPT_FILENAME
SCRIPT_NAME
SERVER_NAME
SERVER_PORT
SERVER_PROTOCOL
} {
  if {[info exists env($key)]} {
    dict set wapp $key $env($key)
  }
}
set len 0
if {[dict exists $wapp CONTENT_LENGTH]} {
  set len [dict get $wapp CONTENT_LENGTH]
}
if {$len>0} {
  fconfigure stdin -translation binary
  dict set wapp CONTENT [read stdin $len]
}
dict set wapp WAPP_MODE cgi
fconfigure stdout -translation binary
wappInt-handle-request stdout 1
}

# Process new text received on an inbound SCGI request
#
proc wappInt-scgi-readable {chan} {
  if {[catch [list wappInt-scgi-readable-unsafe $chan] msg]} {
    puts stderr "$msg\n$::errorInfo"
    wappInt-close-channel $chan
  }
}
proc wappInt-scgi-readable-unsafe {chan} {
  upvar #0 wappInt-$chan W wapp wapp

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if {[dict exists $W .toread]} {
  # If the .toread key is not set, that means we are still reading
  # the header.
  #
  # An SGI header is short. This implementation assumes the entire
  # header is available all at once.
  #
  set req [read $chan 15]
  set n [string length $req]
  scan $req %d:%s len hdr
  incr len [string length "$len:,"]
  append hdr [read $chan [expr {$len-15}]]
  foreach {nm val} [split $hdr \000] {
    if {$nm==","} break
    dict set W $nm $val
  }
  set len 0
  if {[dict exists $W CONTENT_LENGTH]} {
    set len [dict get $W CONTENT_LENGTH]
  }
  if {$len>0} {
    # Still need to read the query content
    dict set W .toread $len
  } else {
    # There is no query content, so handle the request immediately
    set wapp $W
    wappInt-handle-request $chan 0
  }
} else {
  # If .toread is set, that means we are reading the query content.
  # Continue reading until .toread reaches zero.
  set got [read $chan [dict get $W .toread]]
  dict append W CONTENT $got
  dict set W .toread [expr {[dict get $W .toread]-[string length $got]}]
  if {[dict get $W .toread]<=0} {
    # Handle the request as soon as all the query content is received
    set wapp $W
    wappInt-handle-request $chan 0
  }
}
}

# Start up the wapp framework. Parameters are a list passed as the
# single argument.
#
# -server $PORT Listen for HTTP requests on this TCP port $PORT
#
# -local $PORT Listen for HTTP requests on 127.0.0.1:$PORT

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#
# -scgi $PORT      Listen for SCGI requests on TCP port $PORT
#
# -cgi            Handle a single CGI request
#
# With no arguments, the behavior is called "auto". In "auto" mode,
# if the GATEWAY_INTERFACE environment variable indicates CGI, then run
# as CGI. Otherwise, start an HTTP server bound to the loopback address
# only, on an arbitrary TCP port, and automatically launch a web browser
# on that TCP port.
#
# Additional options:
#
# -trace          "puts" each request URL as it is handled, for
#                 debugging
#
# -lint           Run wapp-safety-check on the application instead
#                 of running the application itself
#
# -Dvar=value     Set TCL global variable "var" to "value"
#
#
proc wapp-start {arglist} {
    global env
    set mode auto
    set port 0
    set n [llength $arglist]
    for {set i 0} {$i<$n} {incr i} {
        set term [lindex $arglist $i]
        if {[string match -* $term]} {set term [string range $term 1 end]}
        switch -glob -- $term {
            -server {
                incr i;
                set mode "server"
                set port [lindex $arglist $i]
            }
            -local {
                incr i;
                set mode "local"
                set port [lindex $arglist $i]
            }
            -scgi {
                incr i;
                set mode "scgi"
                set port [lindex $arglist $i]
            }
            -cgi {
                set mode "cgi"
            }
        }
    }
}

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}
-trace {
  proc wappInt-trace {} {
    set q [wapp-param QUERY_STRING]
    set uri [wapp-param BASE_URL][wapp-param PATH_INFO]
    if {$q!=""} {append uri ?$q}
    puts $uri
  }
}
-lint {
  set res [wapp-safety-check]
  if {$res!=""} {
    puts "Potential problems in this code:"
    puts $res
    exit 1
  } else {
    exit
  }
}
-D*==* {
  if {[regexp {^D([^\=]+)=(.*)$} $term all var val]} {
    set ::$var $val
  }
}
default {
  error "unknown option: $term"
}
}
if {($mode=="auto"
  && [info exists env(GATEWAY_INTERFACE)]
  && [string match CGI/1.* $env(GATEWAY_INTERFACE)])
  || $mode=="cgi"
} {
  wappInt-handle-cgi-request
  return
}
if {$mode=="scgi"} {
  wappInt-start-listener $port scgi
} elseif {$mode=="server"} {
  wappInt-start-listener $port server
} else {
  wappInt-start-listener $port local
}
vwait ::forever
}

```

```
# Call this version 1.0
```

package provide wapp 1.0

End of wapp.tcl

Generate all header content for the output document

#

proc search_header { } {

 wapp-trim {

 <!DOCTYPE html>

 <html><head>

 <meta name="viewport" content="width=device-width, initial-scale=1.0">

 <meta http-equiv="content-type" content="text/html; charset=UTF-8">

 <link href="../sqlite.css" rel="stylesheet">

 <title>Search SQLite Stats</title>

 <!-- path=../ -->

 </head>

 <body>

 <div class=nosearch>

 <div><!-- IE hack to prevent disappearing logo --></div>

 <div class="tagline desktoponly">

 Small. Fast. Reliable.
Choose any three.

 </div>

 <div class="menu mainmenu">

 Home

 <li class='mobileonly'>Menu

 <li class='wideonly'>About

 <li class='desktoponly'>Documentation

 <li class='desktoponly'>Download

 <li class='wideonly'>License

 <li class='desktoponly'>Support

 <li class='desktoponly'>Purchase

 <li class='search' id='search_menubutton'>

 Search

 <div class="menu submenu" id="submenu">

 About

 Documentation

 Download

 Support

 Purchase

 </div>

```

<div class="searchmenu" id="searchmenu">
<form method="GET" action=" ../search">
<select name="s" id="searchtype">
<option value="d">Search Documentation</option>
<option value="c">Search Changelog</option>
</select>
<input type="text" name="q" id="searchbox" value="">
<input type="submit" value="Go">
</form>
</div>
</div>
<script>
function toggle_div(nm) {
var w = document.getElementById(nm);
if( w.style.display=="block" ){
w.style.display = "none";
}else{
w.style.display = "block";
}
}
function toggle_search() {
var w = document.getElementById("searchmenu");
if( w.style.display=="block" ){
w.style.display = "none";
} else {
w.style.display = "block";
setTimeout(function(){
document.getElementById("searchbox").focus()
}, 30);
}
}
function div_off(nm){ document.getElementById(nm).style.display="none";}
window.onbeforeunload = function(e){div_off("submenu");}
/* Disable the Search feature if we are not operating from CGI, since */
/* Search is accomplished using CGI and will not work without it. */
if( !location.origin.match || !location.origin.match(/http/) ){
document.getElementById("search_menubutton").style.display = "none";
}
/* Used by the Hide/Show button beside syntax diagrams, to toggle the */
function hideorshow(btn,obj){
var x = document.getElementById(obj);
var b = document.getElementById(btn);
if( x.style.display!='none' ){
x.style.display = 'none';
b.innerHTML='show';
}else{
x.style.display = "";
b.innerHTML='hide';
}
}

```

```

}
return false;
}
</script>
</div>
}
}

proc wapp-default {} {
# When running using the built-in webserver in Wapp (in other words,
# when not running as CGI) any filename that contains a "." loads
# directly from the filesystem.
if {[wapp-param WAPP_MODE]!="cgi"}
&& [string match *.* [wapp-param PATH_INFO]]
} {
set altfile [file dir [wapp-param SCRIPT_FILENAME]]/../[wapp-param PATH_INFO]
set fd [open $altfile rb]
fconfigure $fd -translation binary
wapp-unsafe [read $fd]
close $fd
switch -glob -- $altfile {
*.html {
wapp-mimetype text/html
}
*.css {
wapp-mimetype text/css
}
*.gif {
wapp-mimetype image/gif
}
}
return
}
wapp-page-admin
}
proc wapp-page-admin {} {
wapp-allow-xorigin-params
wapp-content-security-policy off
if {[wapp-param-exists env]} {
search_header
wapp-trim {
<h1>Environment</h1>
<pre>%html([wapp-debug-env])</pre>
}
return
}
sqlite3 db2 [file dir [wapp-param SCRIPT_FILENAME]]/searchlog.db
set where ""

```

```

set res ""

set ipfilter ""
set ipaddr [wapp-param ip]
if {$ipaddr!=""} {
  set where {WHERE ip = $ipaddr}
  set ipfilter $ipaddr
}

set checked ""
set isUnique [expr {[wapp-param unique 0]+0}]
if {$isUnique} {
  set checked "checked"
}

set limit [wapp-param limit 10]
set s10 ""
set s100 ""
set s1000 ""
if {$limit==10} {set s10 selected}
if {$limit==100} {set s100 selected}
if {$limit==1000} {set s1000 selected}

search_header
set self [wapp-param PATH_HEAD]
wapp-trim {
  <div style="margin:2em">
  <center>
  <form action='%url($self)' method='GET'>
    Results: <select name=limit onChange="this.form.submit()">
      <option %html($s10) value="10">10</option>
      <option %html($s100) value="100">100</option>
      <option %html($s1000) value="1000">1000</option>
    </select>
    IP: <input type=input name=ip value="%html($ipfilter)">
    Unique: <input
      type=checkbox name=unique value=1
      $checked
      onChange="this.form.submit()">
    <input type=submit>
  </form>
  </center>
  </div>
  <table border=1 cellpadding=10 align=center>
  <tr><td><th>IP <th>Query <th> Results <th> Timestamp
}

set i 0

```

```

db2 eval "
SELECT rowid, ip, query, nres, timestamp FROM log $where
ORDER BY rowid DESC
" {

if {$isUnique} {
  if {[info exists seen($query)]} continue
  set seen($query) 1
}

wapp-trim {
  <tr><td>%html($rowid)
    <td><a href='%url($self)?ip=%qp($ip)'>%html($ip)</a>
    <td><a href='../search?q=%qp($query)&donotlog=1'>%html($query)</a>
    <td>%html($nres)<td>%html($timestamp)
  }
  incr i
  if {$i >= $limit} break
}
wapp-subst {</table\n}
db2 close
}
wapp-start $argv

```

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/search.d/admin

No license file was found, but licenses were detected in source scan.

SQLite is in the public domain. This document describes what that means

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/docs.html

No license file was found, but licenses were detected in source scan.

without a shared lock, other processes are free to modify the database

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/atomiccommit.html

No license file was found, but licenses were detected in source scan.

Sources are in the public domain.

or some proprietary format into

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/features.html

No license file was found, but licenses were detected in source scan.

proprietary. The TH3 code is only accessible to SQLite developers.

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/qmplan.html

No license file was found, but licenses were detected in source scan.

SQLite is open source, and is available in the public domain

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/books.html

No license file was found, but licenses were detected in source scan.

public domain and so most

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/famous.html

No license file was found, but licenses were detected in source scan.

public domain.

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/changes.html

No license file was found, but licenses were detected in source scan.

<html>

<title>SQLite Copyright Release Template</title>

<body bgcolor="white">

<h1 align="center">

Copyright Release for

Contributions To SQLite

</h1>

<p>

SQLite is software that implements an embeddable SQL database engine.

SQLite is available for free download from <http://www.sqlite.org/>.

The principal author and maintainer of SQLite has disclaimed all copyright interest in his contributions to SQLite

and thus released his contributions into the public domain.

In order to keep the SQLite software unencumbered by copyright claims, the principal author asks others who may from time to time contribute changes and enhancements to likewise disclaim their own individual copyright interest.

</p>

<p>

Because the SQLite software found at <http://www.sqlite.org/> is in the public domain, anyone is free to download the SQLite software from that website, make changes to the software, use, distribute, or sell the modified software, under either the original name or

under some new name, without any need to obtain permission, pay royalties, acknowledge the original source of the software, or in any other way compensate, identify, or notify the original authors. Nobody is in any way compelled to contribute their SQLite changes and enhancements back to the SQLite website. This document concerns only changes and enhancements to SQLite that are intentionally and deliberately contributed back to the SQLite website.

</p>

<p>

For the purposes of this document, "SQLite software" shall mean any computer source code, documentation, makefiles, test scripts, or other information that is published on the SQLite website, <http://www.sqlite.org/>. Precompiled binaries are excluded from the definition of "SQLite software" in this document because the process of compiling the software may introduce information from outside sources which is not properly a part of SQLite.

</p>

<p>

The header comments on the SQLite source files exhort the reader to share freely and to never take more than one gives.

In the spirit of that exhortation I make the following declarations:

</p>

<p>

I dedicate to the public domain any and all copyright interest in the SQLite software that was publicly available on the SQLite website (<http://www.sqlite.org/>) prior to the date of the signature below and any changes or enhancements to the SQLite software that I may cause to be published on that website in the future. I make this dedication for the benefit of the public at large and to the detriment of my heirs and successors. I intend this dedication to be an overt act of relinquishment in perpetuity of all present and future rights to the SQLite software under copyright law.

</p>

<p>

To the best of my knowledge and belief, the changes and enhancements that I have contributed to SQLite are either originally written by me or are derived from prior works which I have verified are also in the public domain and are not subject to claims of copyright by other parties.

</p>

<p>
To the best of my knowledge and belief, no individual, business, organization,
government, or other entity has any copyright interest
in the SQLite software as it existed on the
SQLite website as of the date on the signature line below.
</p>

<p>
I agree never to publish any additional information
to the SQLite website (by CVS, email, scp, FTP, or any other means) unless
that information is an original work of authorship by me or is derived from
prior published versions of SQLite.
I agree never to copy and paste code into the SQLite code base from
other sources.
I agree never to publish on the SQLite website any information that
would violate a law or breach a contract.
</p>

<p>
<table width="100%" cellpadding="0" cellspacing="0">
<tr>
<td width="60%" valign="top">
Signature:
<p> </p>
<p> </p>
<p> </p>
</td><td valign="top" align="left">
Date:
</td></tr>
<td colspan=2>
Name (printed):
</td>
</tr>
</table>
</body>
</html>

Found in path(s):
* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/copyright-release.html
No license file was found, but licenses were detected in source scan.

```
#!/usr/bin/tclsh.docsrc  
#### Import of wapp.tcl  
# Copyright (c) 2017 D. Richard Hipp  
#  
# This program is free software; you can redistribute it and/or  
# modify it under the terms of the Simplified BSD License (also
```

```

# known as the "2-Clause License" or "FreeBSD License".)
#
# 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.
#
#-----
#
# Design rules:
#
# (1) All identifiers in the global namespace begin with "wapp"
#
# (2) Identifiers intended for internal use only begin with "wappInt"
#

# Add text to the end of the HTTP reply. No interpretation or transformation
# of the text is performed. The argument should be enclosed within {...}
#
proc wapp {txt} {
    global wapp
    dict append wapp .reply $txt
}

# Add text to the page under construction. Do no escaping on the text.
#
# Though "unsafe" in general, there are uses for this kind of thing.
# For example, if you want to return the complete, unmodified content of
# a file:
#
#     set fd [open content.html rb]
#     wapp-unsafe [read $fd]
#     close $fd
#
# You could do the same thing using ordinary "wapp" instead of "wapp-unsafe".
# The difference is that wapp-safety-check will complain about the misuse
# of "wapp", but it assumes that the person who write "wapp-unsafe" understands
# the risks.
#
# Though occasionally necessary, the use of this interface should be minimized.
#
proc wapp-unsafe {txt} {
    global wapp
    dict append wapp .reply $txt
}

# Add text to the end of the reply under construction. The following
# substitutions are made:
#

```

```

# %html(...)      Escape text for inclusion in HTML
# %url(...)       Escape text for use as a URL
# %qp(...)        Escape text for use as a URI query parameter
# %string(...)    Escape text for use within a JSON string
# %unsafe(...)    No transformations of the text
#
# The substitutions above terminate at the first ")" character.  If the
# text of the TCL string in ... contains ")" characters itself, use instead:
#
# %html%(...)%
# %url%(...)%
# %qp%(...)%
# %string%(...)%
# %unsafe%(...)%
#
# In other words, use "%(..." instead of "(...)" to include the TCL string
# to substitute.
#
# The %unsafe substitution should be avoided whenever possible, obviously.
# In addition to the substitutions above, the text also does backslash
# escapes.
#
proc wapp-subst {txt} {
    global wapp
    reesub -all {% (html|url|qp|string|unsafe){ 1,1 }?(|%)\((.+)\)\2} $txt \
        {[wappInt-enc-\1 "\3"]} txt
    dict append wapp .reply [uplevel 1 [list subst -novariables $txt]]
}

# Works like wapp-subst, but also removes whitespace from the beginning
# of lines.
#
proc wapp-trim {txt} {
    global wapp
    reesub -all {\n\s+} [string trim $txt] \n txt
    reesub -all {% (html|url|qp|string|unsafe){ 1,1 }?(|%)\((.+)\)\2} $txt \
        {[wappInt-enc-\1 "\3"]} txt
    dict append wapp .reply [uplevel 1 [list subst -novariables $txt]]
}

# There must be a wappInt-enc-NAME routine for each possible substitution
# in wapp-subst.  Thus there are routines for "html", "url", "qp", and "unsafe".
#
# wappInt-enc-html      Escape text so that it is safe to use in the
#                        body of an HTML document.
#
# wappInt-enc-url       Escape text so that it is safe to pass as an
#                        argument to href= and src= attributes in HTML.

```

```

#
# wappInt-enc-qp      Escape text so that it is safe to use as the
#                    value of a query parameter in a URL or in
#                    post data or in a cookie.
#
# wappInt-enc-string  Escape ", ', \, and < for using inside of a
#                    javascript string literal. The < character
#                    is escaped to prevent "</script>" from causing
#                    problems in embedded javascript.
#
# wappInt-enc-unsafe  Perform no encoding at all. Unsafe.
#
proc wappInt-enc-html {txt} {
    return [string map {& &lt; &gt; \&quot; \\ &#92;} $txt]
}
proc wappInt-enc-unsafe {txt} {
    return $txt
}
proc wappInt-enc-url {s} {
    if {[regsub -all {[^-{}@~?=#_./a-zA-Z0-9]} $s {[wappInt-%HHchar {&}] s}} {
        set s [subst -novar -noback $s]
    }
    if {[regsub -all {{{}} $s {[wappInt-%HHchar \\&}] s}} {
        set s [subst -novar -noback $s]
    }
    return $s
}
proc wappInt-enc-qp {s} {
    if {[regsub -all {[^-{}_a-zA-Z0-9]} $s {[wappInt-%HHchar {&}] s}} {
        set s [subst -novar -noback $s]
    }
    if {[regsub -all {{{}} $s {[wappInt-%HHchar \\&}] s}} {
        set s [subst -novar -noback $s]
    }
    return $s
}
proc wappInt-enc-string {s} {
    return [string map {\\ \\\\ \" \"\" ' \\' < \\u003c} $s]
}

# This is a helper routine for wappInt-enc-url and wappInt-enc-qp. It returns
# an appropriate %HH encoding for the single character c. If c is a unicode
# character, then this routine might return multiple bytes: %HH%HH%HH
#
proc wappInt-%HHchar {c} {
    if {$c==" "} {return +}
    return [regsub -all .. [binary encode hex [encoding convertto utf-8 $c]] {%&}]
}

```

```

# Undo the www-url-encoded format.
#
# HT: This code stolen from ncgi.tcl
#
proc wappInt-decode-url {str} {
    set str [string map [list + { } "\" "\\\\" \[ \\\[ \] \\\]] $str]
    regsub -all -- \
        {%([Ee][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])} \
        $str {[encoding convertfrom utf-8 [binary decode hex \1\2\3]]} str
    regsub -all -- \
        {%([CDcd][A-Fa-f0-9])%([89ABab][A-Fa-f0-9])} \
        $str {[encoding convertfrom utf-8 [binary decode hex \1\2]]} str
    regsub -all -- {%([0-7][A-Fa-f0-9])} $str {\u00\1} str
    return [subst -novar $str]
}

# Reset the document back to an empty string.
#
proc wapp-reset {} {
    global wapp
    dict set wapp .reply {}
}

# Change the mime-type of the result document.
#
proc wapp-mimetype {x} {
    global wapp
    dict set wapp .mimetype $x
}

# Change the reply code.
#
proc wapp-reply-code {x} {
    global wapp
    dict set wapp .reply-code $x
}

# Set a cookie
#
proc wapp-set-cookie {name value} {
    global wapp
    dict lappend wapp .new-cookies $name $value
}

# Unset a cookie
#

```

```

proc wapp-clear-cookie {name} {
  wapp-set-cookie $name {}
}

# Add extra entries to the reply header
#
proc wapp-reply-extra {name value} {
  global wapp
  dict lappend wapp .reply-extra $name $value
}

# Specifies how the web-page under construction should be cached.
# The argument should be one of:
#
# no-cache
# max-age=N          (for some integer number of seconds, N)
# private,max-age=N
#
proc wapp-cache-control {x} {
  wapp-reply-extra Cache-Control $x
}

# Redirect to a different web page
#
proc wapp-redirect {uri} {
  wapp-reply-code {307 Redirect}
  wapp-reply-extra Location $uri
}

# Return the value of a wapp parameter
#
proc wapp-param {name {dflt {}}} {
  global wapp
  if {![dict exists $wapp $name]} {return $dflt}
  return [dict get $wapp $name]
}

# Return true if a and only if the wapp parameter $name exists
#
proc wapp-param-exists {name} {
  global wapp
  return [dict exists $wapp $name]
}

# Set the value of a wapp parameter
#
proc wapp-set-param {name value} {
  global wapp

```

```

dict set wapp $name $value
}

# Return all parameter names that match the GLOB pattern, or all
# names if the GLOB pattern is omitted.
#
proc wapp-param-list {{glob {*}} } {
    global wapp
    return [dict keys $wapp $glob]
}

# By default, Wapp does not decode query parameters and POST parameters
# for cross-origin requests. This is a security restriction, designed to
# help prevent cross-site request forgery (CSRF) attacks.
#
# As a consequence of this restriction, URLs for sites generated by Wapp
# that contain query parameters will not work as URLs found in other
# websites. You cannot create a link from a second website into a Wapp
# website if the link contains query planner, by default.
#
# Of course, it is sometimes desirable to allow query parameters on external
# links. For URLs for which this is safe, the application should invoke
# wapp-allow-xorigin-params. This procedure tells Wapp that it is safe to
# go ahead and decode the query parameters even for cross-site requests.
#
# In other words, for Wapp security is the default setting. Individual pages
# need to actively disable the cross-site request security if those pages
# are safe for cross-site access.
#
proc wapp-allow-xorigin-params { } {
    global wapp
    if {![dict exists $wapp .qp] && ![dict get $wapp SAME_ORIGIN]} {
        wappInt-decode-query-params
    }
}

# Set the content-security-policy.
#
# The default content-security-policy is very strict: "default-src 'self'"
# The default policy prohibits the use of in-line javascript or CSS.
#
# Provide an alternative CSP as the argument. Or use "off" to disable
# the CSP completely.
#
proc wapp-content-security-policy {val} {
    global wapp
    if {$val=="off"} {
        dict unset wapp .csp
    }
}

```

```

} else {
    dict set wapp .csp $val
}
}

# Examine the bodys of all procedures in this program looking for
# unsafe calls to various Wapp interfaces. Return a text string
# containing warnings. Return an empty string if all is ok.
#
# This routine is advisory only. It misses some constructs that are
# dangerous and flags others that are safe.
#
proc wapp-safety-check {} {
    set res {}
    foreach p [info procs] {
        set ln 0
        foreach x [split [info body $p] \n] {
            incr ln
            if {[regexp {^[ \t]*wapp[ \t]+([\n]+)} $x all tail]
                && [string index $tail 0]!="\173"
                && [regexp {[[ $]} $tail]
            } {
                append res "$p:$ln: unsafe \"wapp\" call: \"[string trim $x]\"\n"
            }
            if {[regexp {^[ \t]*wapp-(subst(trim)[ \t]+[^\173]} $x all cx]} {
                append res "$p:$ln: unsafe \"wapp-$cx\" call: \"[string trim $x]\"\n"
            }
        }
    }
    return $res
}

# Return a string that descripts the current environment. Applications
# might find this useful for debugging.
#
proc wapp-debug-env {} {
    global wapp
    set out {}
    foreach var [lsort [dict keys $wapp]] {
        if {[string index $var 0]=="."} continue
        append out "$var = [list [dict get $wapp $var]]\n"
    }
    append out "[pwd] = [list [pwd]]\n"
    return $out
}

# Tracing function for each HTTP request. This is overridden by wapp-start
# if tracing is enabled.

```

```

#
proc wappInt-trace {} {}

# Start up a listening socket. Arrange to invoke wappInt-new-connection
# for each inbound HTTP connection.
#
# port      Listen on this TCP port. 0 means to select a port
#           that is not currently in use
#
# wappmode  One of "scgi", "server", or "local".
#
proc wappInt-start-listener {port wappmode} {
    if {$wappmode=="scgi"} {
        set type SCGI
        set server [list wappInt-new-connection wappInt-scgi-readable $wappmode]
    } else {
        set type HTTP
        set server [list wappInt-new-connection wappInt-http-readable $wappmode]
    }
    if {$wappmode=="local"} {
        set x [socket -server $server -myaddr 127.0.0.1 $port]
    } else {
        set x [socket -server $server $port]
    }
    set coninfo [chan configure $x -sockname]
    set port [lindex $coninfo 2]
    if {$wappmode=="local"} {
        wappInt-start-browser http://127.0.0.1:$port/
    } else {
        puts "Listening for $type requests on TCP port $port"
    }
}

# Start a web-browser and point it at $URL
#
proc wappInt-start-browser {url} {
    global tcl_platform
    if {$tcl_platform(platform)=="windows"} {
        exec cmd /c start $url &
    } elseif {$tcl_platform(os)=="Darwin"} {
        exec open $url &
    } elseif {[catch {exec xdg-open $url}]} {
        exec firefox $url &
    }
}

# This routine is a "socket -server" callback. The $chan, $ip, and $port
# arguments are added by the socket command.

```

```

#
# Arrange to invoke $callback when content is available on the new socket.
# The $callback will process inbound HTTP or SCGI content.
#
proc wappInt-new-connection {callback wappmode chan ip port} {
  upvar #0 wappInt-$chan W
  set W [dict create REMOTE_ADDR $ip REMOTE_PORT $port WAPP_MODE $wappmode \
    .header {}]
  fconfigure $chan -blocking 0 -translation binary
  fileevent $chan readable [list $callback $chan]
}

# Close an input channel
#
proc wappInt-close-channel {chan} {
  if {$chan=="stdout"} {
    # This happens after completing a CGI request
    exit 0
  } else {
    unset ::wappInt-$chan
    close $chan
  }
}

# Process new text received on an inbound HTTP request
#
proc wappInt-http-readable {chan} {
  if {[catch [list wappInt-http-readable-unsafe $chan] msg]} {
    puts stderr "$msg\n$::errorInfo"
    wappInt-close-channel $chan
  }
}

proc wappInt-http-readable-unsafe {chan} {
  upvar #0 wappInt-$chan W wapp wapp
  if {![dict exists $W .toread]} {
    # If the .toread key is not set, that means we are still reading
    # the header
    set line [string trimright [gets $chan]]
    set n [string length $line]
    if {$n>0} {
      if {[dict get $W .header]=="" || [regexp {^\s+} $line]} {
        dict append W .header $line
      } else {
        dict append W .header \n$line
      }
    }
    if {[string length [dict get $W .header]]>100000} {
      error "HTTP request header too big - possible DOS attack"
    }
  }
}

```

```

} elseif {$n==0} {
# We have reached the blank line that terminates the header.
global argv0
set a0 [file normalize $argv0]
dict set W SCRIPT_FILENAME $a0
dict set W DOCUMENT_ROOT [file dir $a0]
if {[wappInt-parse-header $chan]} {
    catch {close $chan}
    return
}
set len 0
if {[dict exists $W CONTENT_LENGTH]} {
    set len [dict get $W CONTENT_LENGTH]
}
if {$len>0} {
    # Still need to read the query content
    dict set W .toread $len
} else {
    # There is no query content, so handle the request immediately
    set wapp $W
    wappInt-handle-request $chan 0
}
}
} else {
# If .toread is set, that means we are reading the query content.
# Continue reading until .toread reaches zero.
set got [read $chan [dict get $W .toread]]
dict append W CONTENT $got
dict set W .toread [expr {[dict get $W .toread]-[string length $got]}]
if {[dict get $W .toread]<=0} {
    # Handle the request as soon as all the query content is received
    set wapp $W
    wappInt-handle-request $chan 0
}
}
}

# Decode the HTTP request header.
#
# This routine is always running inside of a [catch], so if
# any problems arise, simply raise an error.
#
proc wappInt-parse-header {chan} {
    upvar #0 wappInt-$chan W
    set hdr [split [dict get $W .header] \n]
    if {$hdr==""} {return 1}
    set req [lindex $hdr 0]
    dict set W REQUEST_METHOD [set method [lindex $req 0]]
}

```

```

if {[lsearch {GET HEAD POST} $method]<0} {
    error "unsupported request method: \"[dict get $W REQUEST_METHOD]\""
}
set uri [lindex $req 1]
set split_uri [split $uri ?]
set uri0 [lindex $split_uri 0]
if {[!regexp {^[-.a-z0-9_]*$} $uri0]} {
    error "invalid request uri: \"$uri0\""
}
dict set W REQUEST_URI $uri0
dict set W PATH_INFO $uri0
set uri1 [lindex $split_uri 1]
dict set W QUERY_STRING $uri1
set n [llength $hdr]
for {set i 1} {$i<$n} {incr i} {
    set x [lindex $hdr $i]
    if {[!regexp {^(.+):+(.*)$} $x all name value]} {
        error "invalid header line: \"$x\""
    }
    set name [string toupper $name]
    switch -- $name {
        REFERER {set name HTTP_REFERER}
        USER-AGENT {set name HTTP_USER_AGENT}
        CONTENT-LENGTH {set name CONTENT_LENGTH}
        CONTENT-TYPE {set name CONTENT_TYPE}
        HOST {set name HTTP_HOST}
        COOKIE {set name HTTP_COOKIE}
        ACCEPT-ENCODING {set name HTTP_ACCEPT_ENCODING}
        default {set name .hdr:$name}
    }
    dict set W $name $value
}
return 0
}

```

```

# Decode the QUERY_STRING parameters from a GET request or the
# application/x-www-form-urlencoded CONTENT from a POST request.
#
# This routine sets the ".qp" element of the ::wapp dict as a signal
# that query parameters have already been decoded.
#

```

```

proc wappInt-decode-query-params {} {
    global wapp
    dict set wapp .qp 1
    if {[dict exists $wapp QUERY_STRING]} {
        foreach qterm [split [dict get $wapp QUERY_STRING] &] {
            set qsplit [split $qterm =]
            set nm [lindex $qsplit 0]

```



```

# Set up additional CGI environment values
#
if {[dict exists $wapp HTTP_HOST]} {
  dict set wapp BASE_URL {}
} elseif {[dict exists $wapp HTTPS]} {
  dict set wapp BASE_URL https://[dict get $wapp HTTP_HOST]
} else {
  dict set wapp BASE_URL http://[dict get $wapp HTTP_HOST]
}
if {[dict exists $wapp REQUEST_URI]} {
  dict set wapp REQUEST_URI /
} elseif {[regsub {\?.*} [dict get $wapp REQUEST_URI] {} newR]} {
  # Some servers (ex: nginx) append the query parameters to REQUEST_URI.
  # These need to be stripped off
  dict set wapp REQUEST_URI $newR
}
if {[dict exists $wapp SCRIPT_NAME]} {
  dict append wapp BASE_URL [dict get $wapp SCRIPT_NAME]
} else {
  dict set wapp SCRIPT_NAME {}
}
if {[dict exists $wapp PATH_INFO]} {
  # If PATH_INFO is missing (ex: nginx) the construct it
  set URI [dict get $wapp REQUEST_URI]
  set skip [string length [dict get $wapp SCRIPT_NAME]]
  dict set wapp PATH_INFO [string range $URI $skip end]
}
if {[regexp {^(/[^\+]+).*$} [dict get $wapp PATH_INFO] all head tail]} {
  dict set wapp PATH_HEAD $head
  dict set wapp PATH_TAIL [string trimleft $tail /]
} else {
  dict set wapp PATH_INFO {}
  dict set wapp PATH_HEAD {}
  dict set wapp PATH_TAIL {}
}
dict set wapp SELF_URL [dict get $wapp BASE_URL]/[dict get $wapp PATH_HEAD]

# Parse query parameters from the query string, the cookies, and
# POST data
#
if {[dict exists $wapp HTTP_COOKIE]} {
  foreach qterm [split [dict get $wapp HTTP_COOKIE] {;}] {
    set qsplitted [split [string trim $qterm] =]
    set nm [lindex $qsplitted 0]
    if {[regexp {[a-z]([-a-z0-9_]*$) $nm]} {
      dict set wapp $nm [wappInt-decode-url [lindex $qsplitted 1]]
    }
  }
}

```

```

    }
  }
  set same_origin 0
  if {[dict exists $wapp HTTP_REFERER]} {
    set referer [dict get $wapp HTTP_REFERER]
    set base [dict get $wapp BASE_URL]
    if {$referer==$base || [string match $base/* $referer]} {
      set same_origin 1
    }
  }
  dict set wapp SAME_ORIGIN $same_origin
  if {$same_origin} {
    wappInt-decode-query-params
  }

  # Invoke the application-defined handler procedure for this page
  # request. If an error occurs while running that procedure, generate
  # an HTTP reply that contains the error message.
  #
  wapp-before-dispatch-hook
  wappInt-trace
  set mname [dict get $wapp PATH_HEAD]
  if {[catch {
    if {$mname!="" && [llength [info proc wapp-page-$mname]]>0} {
      wapp-page-$mname
    } else {
      wapp-default
    }
  } msg]} {
    if {[wapp-param WAPP_MODE]=="local" || [wapp-param WAPP_MODE]=="server"} {
      puts "ERROR: $::errorInfo"
    }
    wapp-reset
    wapp-reply-code "500 Internal Server Error"
    wapp-mimetype text/html
    wapp-trim {
      <h1>Wapp Application Error</h1>
      <pre>%html($::errorInfo)</pre>
    }
    dict unset wapp .new-cookies
  }

  # Transmit the HTTP reply
  #
  if {$chan=="stdout"} {
    puts $chan "Status: [dict get $wapp .reply-code]\r"
  } else {
    puts $chan "HTTP/1.1 [dict get $wapp .reply-code]\r"
  }

```

```

puts $chan "Server: wapp\r"
puts $chan "Connection: close\r"
}
if {[dict exists $wapp .reply-extra]} {
  foreach {name value} [dict get $wapp .reply-extra] {
    puts $chan "$name: $value\r"
  }
}
if {[dict exists $wapp .csp]} {
  puts $chan "Content-Security-Policy: [dict get $wapp .csp]\r"
}
set mimetype [dict get $wapp .mimetype]
puts $chan "Content-Type: $mimetype\r"
if {[dict exists $wapp .new-cookies]} {
  foreach {nm val} [dict get $wapp .new-cookies] {
    if {[regexp {[a-z][-a-z0-9_]*$} $nm]} {
      if {$val==""} {
        puts $chan "Set-Cookie: $nm=; HttpOnly; Path=/; Max-Age=1\r"
      } else {
        set val [wappInt-enc-url $val]
        puts $chan "Set-Cookie: $nm=$val; HttpOnly; Path=\r"
      }
    }
  }
}
if {[string match text/* $mimetype]} {
  set reply [encoding convertto utf-8 [dict get $wapp .reply]]
  if {[regexp {\ygzip\y} [wapp-param HTTP_ACCEPT_ENCODING]]} {
    catch {
      set x [zlib gzip $reply]
      set reply $x
      puts $chan "Content-Encoding: gzip\r"
    }
  }
} else {
  set reply [dict get $wapp .reply]
}
puts $chan "Content-Length: [string length $reply]\r"
puts $chan \r
puts $chan $reply
flush $chan
wappInt-close-channel $chan
}

# This routine runs just prior to request-handler dispatch. The
# default implementation is a no-op, but applications can override
# to do additional transformations or checks.
#

```

```

proc wapp-before-dispatch-hook {} {return}

# Process a single CGI request
#
proc wappInt-handle-cgi-request {} {
  global wapp env
  foreach key {
    CONTENT_LENGTH
    CONTENT_TYPE
    DOCUMENT_ROOT
    HTTP_ACCEPT_ENCODING
    HTTP_COOKIE
    HTTP_HOST
    HTTP_REFERER
    HTTP_USER_AGENT
    HTTPS
    PATH_INFO
    QUERY_STRING
    REMOTE_ADDR
    REQUEST_METHOD
    REQUEST_URI
    REMOTE_USER
    SCRIPT_FILENAME
    SCRIPT_NAME
    SERVER_NAME
    SERVER_PORT
    SERVER_PROTOCOL
  } {
    if {[info exists env($key)]} {
      dict set wapp $key $env($key)
    }
  }
  set len 0
  if {[dict exists $wapp CONTENT_LENGTH]} {
    set len [dict get $wapp CONTENT_LENGTH]
  }
  if {$len>0} {
    configure stdin -translation binary
    dict set wapp CONTENT [read stdin $len]
  }
  dict set wapp WAPP_MODE cgi
  configure stdout -translation binary
  wappInt-handle-request stdout 1
}

# Process new text received on an inbound SCGI request
#
proc wappInt-scgi-readable {chan} {

```

```

if {[catch [list wappInt-scgi-readable-unsafe $chan] msg]} {
    puts stderr "$msg\n$::errorInfo"
    wappInt-close-channel $chan
}
}
proc wappInt-scgi-readable-unsafe {chan} {
    upvar #0 wappInt-$chan W wapp wapp
    if {![dict exists $W .toread]} {
        # If the .toread key is not set, that means we are still reading
        # the header.
        #
        # An SGI header is short. This implementation assumes the entire
        # header is available all at once.
        #
        set req [read $chan 15]
        set n [string length $req]
        scan $req %d:%s len hdr
        incr len [string length "$len:,"]
        append hdr [read $chan [expr {$len-15}]]
        foreach {nm val} [split $hdr \000] {
            if {$nm==","} break
            dict set W $nm $val
        }
        set len 0
        if {[dict exists $W CONTENT_LENGTH]} {
            set len [dict get $W CONTENT_LENGTH]
        }
        if {$len>0} {
            # Still need to read the query content
            dict set W .toread $len
        } else {
            # There is no query content, so handle the request immediately
            set wapp $W
            wappInt-handle-request $chan 0
        }
    } else {
        # If .toread is set, that means we are reading the query content.
        # Continue reading until .toread reaches zero.
        set got [read $chan [dict get $W .toread]]
        dict append W CONTENT $got
        dict set W .toread [expr {[dict get $W .toread]-[string length $got]}]
        if {[dict get $W .toread]<=0} {
            # Handle the request as soon as all the query content is received
            set wapp $W
            wappInt-handle-request $chan 0
        }
    }
}
}
}

```

```

# Start up the wapp framework. Parameters are a list passed as the
# single argument.
#
# -server $PORT      Listen for HTTP requests on this TCP port $PORT
#
# -local $PORT      Listen for HTTP requests on 127.0.0.1:$PORT
#
# -scgi $PORT       Listen for SCGI requests on TCP port $PORT
#
# -cgi              Handle a single CGI request
#
# With no arguments, the behavior is called "auto". In "auto" mode,
# if the GATEWAY_INTERFACE environment variable indicates CGI, then run
# as CGI. Otherwise, start an HTTP server bound to the loopback address
# only, on an arbitrary TCP port, and automatically launch a web browser
# on that TCP port.
#
# Additional options:
#
# -trace            "puts" each request URL as it is handled, for
#                  debugging
#
# -lint             Run wapp-safety-check on the application instead
#                  of running the application itself
#
# -Dvar=value       Set TCL global variable "var" to "value"
#
#
proc wapp-start {arglist} {
    global env
    set mode auto
    set port 0
    set n [llength $arglist]
    for {set i 0} {$i<$n} {incr i} {
        set term [lindex $arglist $i]
        if {[string match --* $term]} {set term [string range $term 1 end]}
        switch -glob -- $term {
            -server {
                incr i;
                set mode "server"
                set port [lindex $arglist $i]
            }
            -local {
                incr i;
                set mode "local"
                set port [lindex $arglist $i]
            }
        }
    }
}

```

```

-scgi {
    incr i;
    set mode "scgi"
    set port [lindex $arglist $i]
}
-cgi {
    set mode "cgi"
}
-trace {
    proc wappInt-trace {} {
        set q [wapp-param QUERY_STRING]
        set uri [wapp-param BASE_URL][wapp-param PATH_INFO]
        if {$q!=""} {append uri ?$q}
        puts $uri
    }
}
-lint {
    set res [wapp-safety-check]
    if {$res!=""} {
        puts "Potential problems in this code:"
        puts $res
        exit 1
    } else {
        exit
    }
}
-D*=* {
    if [[regexp {^D([^\=]+)=(.*)$} $term all var val]] {
        set ::$var $val
    }
}
default {
    error "unknown option: $term"
}
}
if {($mode=="auto"
    && [info exists env(GATEWAY_INTERFACE)]
    && [string match CGI/1.* $env(GATEWAY_INTERFACE)])
    || $mode=="cgi"
} {
    wappInt-handle-cgi-request
    return
}
if {$mode=="scgi"} {
    wappInt-start-listener $port scgi
} elseif {$mode=="server"} {
    wappInt-start-listener $port server
}

```

```

} else {
    wappInt-start-listener $port local
}
vwait ::forever
}

# Call this version 1.0
package provide wapp 1.0

#### End of wapp.tcl

# Generate all header content for the output document
#
proc search_header { } {
    wapp-trim {
<!DOCTYPE html>
<html><head>
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<meta http-equiv="content-type" content="text/html; charset=UTF-8">
<link href="sqlite.css" rel="stylesheet">
<title>Search SQLite Documentation</title>
<!-- path= -->
</head>
<body>
<div class=nosearch>
<a href="index.html">

</a>
<div><!-- IE hack to prevent disappearing logo --></div>
<div class="tagline desktoponly">
Small. Fast. Reliable.<br>Choose any three.
</div>
<div class="menu mainmenu">
<ul>
<li><a href="index.html">Home</a>
<li class='mobileonly'><a href="javascript:void(0)" onclick='toggle_div("submenu")'>Menu</a>
<li class='wideonly'><a href='about.html'>About</a>
<li class='desktoponly'><a href="docs.html">Documentation</a>
<li class='desktoponly'><a href="download.html">Download</a>
<li class='wideonly'><a href='copyright.html'>License</a>
<li class='desktoponly'><a href="support.html">Support</a>
<li class='desktoponly'><a href="prosupport.html">Purchase</a>
<li class='search' id='search_menubutton'>
<a href="javascript:void(0)" onclick='toggle_search()'>Search</a>
</ul>
</div>
<div class="menu submenu" id="submenu">
<ul>

```

```

<li><a href='about.html'>About</a>
<li><a href='docs.html'>Documentation</a>
<li><a href='download.html'>Download</a>
<li><a href='support.html'>Support</a>
<li><a href='prosupport.html'>Purchase</a>
</ul>
</div>
<div class="searchmenu" id="searchmenu">
<form method="GET" action="search">
<select name="s" id="searchtype">
<option value="d">Search Documentation</option>
<option value="c">Search Changelog</option>
</select>
<input type="text" name="q" id="searchbox" value="">
<input type="submit" value="Go">
</form>
</div>
</div>
<script>
function toggle_div(nm) {
var w = document.getElementById(nm);
if( w.style.display=="block" ){
w.style.display = "none";
}else{
w.style.display = "block";
}
}
function toggle_search() {
var w = document.getElementById("searchmenu");
if( w.style.display=="block" ){
w.style.display = "none";
} else {
w.style.display = "block";
setTimeout(function(){
document.getElementById("searchbox").focus()
}, 30);
}
}
function div_off(nm){ document.getElementById(nm).style.display="none";}
window.onbeforeunload = function(e){ div_off("submenu");}
/* Disable the Search feature if we are not operating from CGI, since */
/* Search is accomplished using CGI and will not work without it. */
if( !location.origin.match( /http/ ) ){
document.getElementById("search_menubutton").style.display = "none";
}
/* Used by the Hide/Show button beside syntax diagrams, to toggle the */
function hideorshow(btn,obj){
var x = document.getElementById(obj);

```

```

var b = document.getElementById(btn);
if( x.style.display!='none' ){
x.style.display = 'none';
b.innerHTML='show';
}else{
x.style.display = "";
b.innerHTML='hide';
}
return false;
}
</script>
</div>
}
}

#-----
# Add an entry to the log database for the current query. Which
# returns $nRes results.
#
proc search_add_log_entry {nRes} {
if {[wapp-param-exists donotlog]} return
sqlite3 db2 [file dir [wapp-param SCRIPT_FILENAME]]/search.d/searchlog.db
db2 timeout 10000
set ip [wapp-param REMOTE_ADDR]
set query [wapp-param q]
db2 eval {
PRAGMA synchronous=OFF;
PRAGMA journal_mode=OFF;
BEGIN;
CREATE TABLE IF NOT EXISTS log(
ip,          -- IP query was made from
query,       -- Fts5 query string
nres,        -- Number of results
timestamp DEFAULT CURRENT_TIMESTAMP
);
INSERT INTO log(ip, query, nres) VALUES($ip, $query, $nRes);
COMMIT;
}
db2 close
}

#-----
# This command is similar to the builtin Tcl [time] command, except that
# it only ever runs the supplied script once. Also, instead of returning
# a string like "xxx microseconds per iteration", it returns "x.yy ms" or
# "x.yy s", depending on the magnitude of the time spent running the
# command. For example:
#

```

```

# % ttime {after 1500}
# 1.50 s
# % ttime {after 45}
# 45.02 ms
#
proc ttime {script} {
  set t [lindex [time [list uplevel $script]] 0]
  if {$t>1000000} { return [format "%.2f s" [expr {$t/1000000.0}]] }
  return [format "%.2f ms" [expr {$t/1000.0}]]
}

#-----
# Do a search of the change log
#
proc searchchanges {} {
  set q [wapp-param q]
  if {$q==""} {return {}}
  if {[regexp -all \x22 $q] % 2} { append q \x22 }
  set x ""
  foreach word [split $q " "] {
    append x "\[string map [list \"\" \"\"] $word]\\"
  }
  set q [string trim $x]
  set open {<span style="background-color:#d9f2e6">}
  set close {</span>}
  set query {
    SELECT url, version, idx, highlight(change, 3, $open, $close) AS text
    FROM change($q) ORDER BY rowid ASC
  }
  wapp-trim {
    <p>Change log entries mentioning: <b>%html($q)</b>
    <table border=0>
  }
  set s2 "style=\"margin-top:0\""
  set s1 "style=\"font-size:larger; text-align:left\" class=nounderline"
  set prev ""
  db eval $query {
    if {$prev!=$version} {
      wapp-trim {
        <tr> <td %unsafe($s1) valign=top> <a href='%url($url)'%>%html($version)</a>
        <td> <ul %unsafe($s2)>
      }
      set prev $version
    }
    wapp-subst {<li value=%html($idx)> (%html($idx)) %unsafe($text)\n}
  }
  wapp-trim {
    </table>
  }
}

```

```

<center><p>You can also see the <a href=changes.html>entire
changelog as a single page</a> if you wish.</center>
}
}

#-----
# Do a search over all documentation other than the change log
#
proc searchresults { } {
  set q [wapp-param q]
  if {$q==""} {return ""}

  # Count the "" characters in $::A(q). If there is an odd number of
  # occurrences, add a " to the end of the query so that fts5 can parse
  # it without error.
  if {[regexp -all \x22 $q] % 2} { append q \x22 }

  # Set iStart to the index of the first result to display. Results are
  # indexed starting at zero from most to least relevant.
  #
  set iStart 0
  catch {set iStart [expr {[wapp-param i 0]*10}]}

  # Grab a list of rowid results.
  #
  set sql {
    SELECT rowid FROM page WHERE page MATCH $q
    ORDER BY srnk(page) DESC,
    rank * COALESCE(
      (SELECT percent FROM weight WHERE id=page.rowid), 100
    );
  }
  if {[catch { set IRowid [db eval $sql] }] } {
    set x ""
    foreach word [split $q " "] {
      append x " \"[string map [list "\"" "\'"] $word]\""
    }
    set q [string trim $x]
    set IRowid [db eval $sql]
  }

  set IRes [list]
  foreach rowid $IRowid {
    if {$rowid > 1000} {
      set parent [expr $rowid / 1000]
      lappend subsections($parent) $rowid
    } else {
      lappend IRes $rowid
    }
  }
}

```

```

}
}

set nRes [llength $IRes]
set IRes [lrange $IRes $iStart [expr $iStart+9]]

# Add an entry to the log database.
#
search_add_log_entry $nRes

# If there are no results, return a message to that effect.
#
if {[llength $IRes] == 0} {
  wapp-subst {<p>No Results for: <b>%html($q)</b>\n}
}

# HTML markup used to highlight keywords within FTS5 generated snippets.
#
set open {<span style="background-color:#d9f2e6">}
set close {</span>}
set ellipsis {<b>&nbsp;...&nbsp;</b>}

# Grab the required data
#
db eval [string map [list %LIST% [join $iRowid ,]] {
  SELECT
    rowid AS parentid,
    snippet(page, 0, $open, $close, $ellipsis, 6) AS s_apis,
    snippet(page, 2, $open, $close, ", 40) AS s_title1,
    snippet(page, 3, $open, $close, $ellipsis, 40) AS s_title2,
    snippet(page, 4, $open, $close, $ellipsis, 40) AS s_content,
    url, rank
  FROM page($q)
  WHERE rowid IN (%LIST%)
}] X {
  foreach k [array names X] { set data($X(parentid),$k) [set X($k)] }
}

set i1 [expr {$iStart+1}]
set i2 [expr {($nRes < $iStart+10) ? $nRes : $iStart+10}]
wapp-trim {
  <table border=0>
  <p>Search results %html($i1)..%html($i2) of %html($nRes) for: <b>%html($q)</b>
}

foreach rowid $IRes {

  foreach a {parentid s_apis s_title1 s_content url rank} {

```

```

set $a $data($rowid,$a)
}

if {[info exists subsections($parentid)]} {
set childid [lindex $subsections($parentid) 0]
set link $data($childid,url)
set hdr $data($childid,s_title2)

if {$hdr==""} {
set s_content ""
} else {
set s_content [subst {
<b><a style=color:#044a64 href=$link>$hdr</a></b>
}]
}

append s_content " $data($childid,s_content)"
}

wapp-trim {<tr>
<td valign=top style="line-height:150%">
<div style="white-space:wrap;font-size:larger" class=nounderline>
<a href="%url($url)">%unsafe($s_title1)</a>
<div style="float:right;font-size:smaller;color:#BBB">(%url($url))</div>
</div>
<div style="margin-left: 10ex; font:larger monospace">%unsafe($s_apis)</div>
<div style="margin-left: 4ex; margin-bottom:1.5em">
%unsafe($s_content)
</div>
</td>
}
}
wapp-subst {</table>\n}

```

```

# If the query returned more than 10 results, add up to 10 links to
# each set of 10 results (first link to results 1-10, second to 11-20,
# third to 21-30, as required).
#
if {$nRes>10} {
set s(0) {border:solid #044a64 1px;padding:1ex;margin:1ex;line-height:300%;}
set s(1) "$s(0);background:#044a64;color:white"
wapp-subst {<center><p>\n}
for {set i 0} {$i < 10 && ($i*10)<$nRes} {incr i} {
set style $s([expr {(($iStart/10)==$i)])
wapp-trim {
<a style="%html($style)"
href="search?q=%qp($q)&i=%qp($i)">%html([expr $i+1])</a>

```

```

    }
  }
  wapp-subst {</center>\n}
}
}

# This is the main entry point into the search result page generator
#
proc wapp-default { } {
  wapp-content-security-policy {default-src 'self' 'unsafe-inline'}
  wapp-allow-xorigin-params
  if {[wapp-param-exists env]} {
    search_header
    wapp-trim {
      <h1>Environment Dump For Debugging</h1>
      <pre>%html([wapp-debug-env])</pre>
    }
    return
  }
}

# When running using the built-in webserver in Wapp (in other words,
# when not running as CGI) any filename that contains a "." loads
# directly from the filesystem.
if {[wapp-param WAPP_MODE]!="cgi"
  && [string match *.* [wapp-param PATH_INFO]]
} {
  set altfile [file dir [wapp-param SCRIPT_FILENAME]][wapp-param PATH_INFO]
  set fd [open $altfile rb]
  fconfigure $fd -translation binary
  wapp-unsafe [read $fd]
  close $fd
  switch -glob -- $altfile {
    *.html {
      wapp-mimetype text/html
    }
    *.css {
      wapp-mimetype text/css
    }
    *.gif {
      wapp-mimetype image/gif
    }
  }
  return
}

search_header
sqlite3 db [file dir [wapp-param SCRIPT_FILENAME]]/search.d/search.db
set searchType [wapp-param s d]

```

```

if {$searchType=="c"} {
  set cmd searchchanges
} else {
  set cmd searchresults
}
db transaction {
  set t [ttime {$cmd}]
}
wapp-trim {
  <center>
  <p>Page generated by <a href='fts5.html'>FTS5</a> in about %html($t).
  </center>
  <script>
  window.addEventListener("load", function() {
    var w = document.getElementById("searchmenu");
    w.style.display = "block";
    w = document.getElementById("searchtype");
    w.value = "%string($searchType)"
    setTimeout(function(){
      var s = document.getElementById("searchbox");
      s.value = "%string([wapp-param q])"
      s.focus();
      s.select();
    }, 30);
  });
  </script>
}
wapp-start $argv

```

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/search

No license file was found, but licenses were detected in source scan.

data, so do not send the ".fullschema" output of a proprietary database

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/cli.html

No license file was found, but licenses were detected in source scan.

application is free to use the same database connection or the

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/capi3ref.html

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* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/copyright.html

No license file was found, but licenses were detected in source scan.

is free to use SQLite from multiple threads, but it must make sure

Found in path(s):

* /opt/cola/permits/1143446940_1615628662.26/0/sqlite3-3-31-1-orig-www-1-tar-xz/www/custombuild.html

1.94 libassuan 2.5.3-7ubuntu2

1.94.1 Available under license :

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```
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1.96 netbase 6.1

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```
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```

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```
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1.101 syslog-ng 3.25.1-3

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1.102 libmaxminddb 1.4.2-0ubuntu1.20.04.1

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1.103 snowball-stemmer 0+svn585-2

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1.104 kmod 27-1ubuntu2

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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.

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
2.1.2	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

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's

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1.115 brotli 1.0.7-6ubuntu0.1

1.115.1 Available under license :

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1.116 zlib 1.2.11.dfsg-2ubuntu1.2

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Found license 'General Public License 2.0' in 'No. PKWare has apparently decided to keep that format proprietary, since 42. The match.asm code in contrib is under the GNU General Public License. GNU GPL?'

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

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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).

*/

1.117 zstd 1.4.4+dfsg-3

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1.119 pcre 10.34-7

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Written by: Philip Hazel
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1.122 debianutils 4.9.1

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1.123 xz 5.2.4-1ubuntu1

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1.124 idna 2.8

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```
* /opt/cola/permits/1110810307_1606855956.29/0/kjd-idna-v2-8-0-g1cdf175-1-tar-gz/kjd-idna-375dc46/LICENSE.rst
```

No license file was found, but licenses were detected in source scan.

```
"""
```

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 < (2,7):
        raise SystemExit("Sorry, Python 2.7 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',
            'Programming Language :: Python :: 2.7',
```

```

'Programming Language :: Python :: 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',
],
'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/cola/permits/1110810307_1606855956.29/0/kjd-idna-v2-8-0-g1cdf175-1-tar-gz/kjd-idna-375dc46/setup.py

```

1.125 breakpad 7b3afa92

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1.126 bash 5.0 6ubuntu1.1

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1.127 boost 1.65.1

1.127.1 Available under license :

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1.128 gobject-introspection 1.64.0-2

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1.129 python-idna 2.8-1

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```
* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2-8-orig-1-tar-gz/idna-2.8/LICENSE.rst
```

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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 < (2,7):
        raise SystemExit("Sorry, Python 2.7 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',
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    'Programming Language :: Python :: 2.7',
    'Programming Language :: Python :: 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',
],
'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
'test_suite': 'tests',
}

```

```
setup(**arguments)
```

```
if __name__ == '__main__':
    main()
```

Found in path(s):

* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2-8-orig-1-tar-gz/idna-2.8/setup.py

No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.2

Name: idna

Version: 2.8

Summary: Internationalized Domain Names in Applications (IDNA)

Home-page: <https://github.com/kjd/idna>

Author: Kim Davies

Author-email: kim@cynosure.com.au

License: BSD-like

Description: Internationalized Domain Names in Applications (IDNA)

=====

Support for the Internationalised Domain Names in Applications (IDNA) protocol as specified in `RFC 5891 <<http://tools.ietf.org/html/rfc5891>>`_. This is the latest version of the protocol and is sometimes referred to as “IDNA 2008”.

This library also provides support for Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <<http://unicode.org/reports/tr46/>>`_.

This acts as a suitable replacement for the “encodings.idna” module that comes with the Python standard library, but only supports the old, deprecated IDNA specification (RFC 3490 <<http://tools.ietf.org/html/rfc3490>>`_).

Basic functions are simply executed:

```
.. code-block:: pycon

# Python 3
>>> import idna
>>> idna.encode('.')
b'xn--eckwd4c7c.xn--zckzah'
>>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
.

# Python 2
>>> import idna
>>> idna.encode(u'.')
'xn--eckwd4c7c.xn--zckzah'
>>> print idna.decode('xn--eckwd4c7c.xn--zckzah')
.
```

Packages

The latest tagged release version is published in the PyPI repository:

```
.. image:: https://badge.fury.io/py/idna.svg
:target: http://badge.fury.io/py/idna
```

Installation

To install this library, you can use pip:

```
.. code-block:: bash
```

```
$ pip install idna
```

Alternatively, you can install the package using the bundled setup script:

```
.. code-block:: bash
```

```
$ python setup.py install
```

This library works with Python 2.7 and Python 3.4 or later.

Usage

For typical usage, the `encode` and `decode` functions will take a domain name argument and perform a conversion to A-labels or U-labels respectively.

```
.. code-block:: pycon
```

```
# Python 3
>>> import idna
>>> idna.encode('.')
b'xn--eckwd4c7c.xn--zckzah'
>>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
.
```

You may use the codec encoding and decoding methods using the `idna.codec` module:

```
.. code-block:: pycon
```

```
# Python 2
>>> import idna.codec
>>> print u'.'.encode('idna')
xn--80ahd1agd.xn--80akhbyknj4f
>>> print 'xn--80ahd1agd.xn--80akhbyknj4f'.decode('idna')
.
```

Conversions can be applied at a per-label basis using the `ulabel` or `alabel` functions if necessary:

```
.. code-block:: pycon
```

```
# Python 2
>>> idna.alabel(u")
'xn--0zwm56d'
```

Compatibility Mapping (UTS #46)

+++++

As described in `RFC 5895 <<http://tools.ietf.org/html/rfc5895>>`, the IDNA specification no longer normalizes input from different potential ways a user may input a domain name. This functionality, known as a “mapping”, is now considered by the specification to be a local user-interface issue distinct from IDNA conversion functionality.

This library provides one such mapping, that was developed by the Unicode Consortium. Known as `Unicode IDNA Compatibility Processing <<http://unicode.org/reports/tr46/>>`, it provides for both a regular mapping for typical applications, as well as a transitional mapping to help migrate from older IDNA 2003 applications.

For example, “Königsgäßchen” is not a permissible label as *LATIN CAPITAL LETTER K* is not allowed (nor are capital letters in general). UTS 46 will convert this into lower case prior to applying the IDNA conversion.

.. code-block:: pycon

```
# Python 3
>>> import idna
>>> idna.encode(u'Königsgäßchen')
...
idna.core.InvalidCodepoint: Codepoint U+004B at position 1 of 'Königsgäßchen' not allowed
>>> idna.encode('Königsgäßchen', uts46=True)
b'xn--knigsgchen-b4a3dun'
>>> print(idna.decode('xn--knigsgchen-b4a3dun'))
königsgäßchen
```

Transitional processing provides conversions to help transition from the older 2003 standard to the current standard. For example, in the original IDNA specification, the *LATIN SMALL LETTER SHARP S* (ß) was converted into two *LATIN SMALL LETTER S* (ss), whereas in the current IDNA specification this conversion is not performed.

.. code-block:: pycon

```
# Python 2
>>> idna.encode(u'Königsgäßchen', uts46=True, transitional=True)
'xn--knigsgschen-lcb0w'
```

Implementors should use transitional processing with caution, only in rare cases where conversion from legacy labels to current labels must be performed (i.e. IDNA implementations that pre-date 2008). For typical applications that just need to convert labels, transitional processing is unlikely to be beneficial and could produce unexpected incompatible results.

``encodings.idna`` Compatibility

+++++

Function calls from the Python built-in `encodings.idna` module are mapped to their IDNA 2008 equivalents using the `idna.compat` module. Simply substitute the `import` clause in your code to refer to the new module name.

Exceptions

All errors raised during the conversion following the specification should raise an exception derived from the `idna.IDNAError` base class.

More specific exceptions that may be generated as `idna.IDNABidiError` when the error reflects an illegal combination of left-to-right and right-to-left characters in a label; `idna.InvalidCodepoint` when a specific codepoint is an illegal character in an IDN label (i.e. INVALID); and `idna.InvalidCodepointContext` when the codepoint is illegal based on its positional context (i.e. it is CONTEXTO or CONTEXTJ but the contextual requirements are not satisfied.)

Building and Diagnostics

The IDNA and UTS 46 functionality relies upon pre-calculated lookup tables for performance. These tables are derived from computing against eligibility criteria in the respective standards. These tables are computed using the command-line script `tools/idna-data`.

This tool will fetch relevant tables from the Unicode Consortium and perform the required calculations to identify eligibility. It has three main modes:

* `idna-data make-libdata`. Generates `idnadata.py` and `uts46data.py`, the pre-calculated lookup tables using for IDNA and UTS 46 conversions. Implementors who wish to track this library against a different Unicode version may use this tool to manually generate a different version of the `idnadata.py` and `uts46data.py` files.

* `idna-data make-table`. Generate a table of the IDNA disposition (e.g. PVALID, CONTEXTJ, CONTEXTO) in the format found in Appendix B.1 of RFC 5892 and the pre-computed tables published by IANA <<http://iana.org/>>.

* `idna-data U+0061`. Prints debugging output on the various properties associated with an individual Unicode codepoint (in this case, U+0061), that are used to assess the IDNA and UTS 46 status of a codepoint. This is helpful in debugging or analysis.

The tool accepts a number of arguments, described using `idna-data -h`. Most notably, the `--version` argument allows the specification of the version of Unicode to use

in computing the table data. For example, ``idna-data --version 9.0.0 make-libdata`` will generate library data against Unicode 9.0.0.

Note that this script requires Python 3, but all generated library data will work in Python 2.7.

Testing

The library has a test suite based on each rule of the IDNA specification, as well as tests that are provided as part of the Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <<http://unicode.org/reports/tr46/>>` _.

The tests are run automatically on each commit at Travis CI:

```
.. image:: https://travis-ci.org/kjd/idna.svg?branch=master
   :target: https://travis-ci.org/kjd/idna
```

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: System Administrators

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 2.7

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.4

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Topic :: Internet :: Name Service (DNS)

Classifier: Topic :: Software Development :: Libraries :: Python Modules

Classifier: Topic :: Utilities

Requires-Python: >=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*

Found in path(s):

* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2-8-orig-1-tar-gz/idna-2.8/idna.egg-info/PKG-INFO

* /opt/cola/permits/1138607654_1614296153.76/0/python-idna-2-8-orig-1-tar-gz/idna-2.8/PKG-INFO

1.130 linux-atm 2.5.1-4

1.130.1 Available under license :

/*

* Marko Kiiskila carnil@cs.tut.fi

*

* Tampere University of Technology - Telecommunications Laboratory

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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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1.131 berkeley-db 5.3.28+dfsg1-0.6ubuntu2

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1.132 perl 5.30.0-9build1

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abstract: 'Build and install Perl modules'

author:

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

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

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

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Files-Excluded-regen-configure: bin/*

Upstream-Name: perl

Source: <http://www.perl.com/CPAN/src/5.0/>

Comment:

This package was initially debianized by Brendan O'Dea <bod@debian.org> on Thu, 17 Aug 2000 16:10:54 +1000. The packaging has since been modified by various others, including Dominic Hargreaves <dom@earth.li> and Niko Tyni <ntyni@debian.org>.

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Upstream Authors:

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Larry Wall et. al. (see </usr/share/doc/perl/AUTHORS>).

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Last checked against: Perl 5.30.0

Files: *

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dist/Dumpvalue/*

dist/Env/*

cpan/ExtUtils-Manifest/*

dist/I18N-Collate/*

dist/Safe/*

ext/Fcntl/*

ext/FileCache/*

ext/GDBM_File/*

ext/IPC-Open3/*

ext/NDBM_File/*

ext/ODBM_File/*

ext/Opcode/*

ext/PerlIO-encoding/*

ext/PerlIO-scalar/*

ext/PerlIO-via/*

ext/POSIX/*

ext/re/*

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cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_0.pod

cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_1.pod

cpan/CPAN-Meta/lib/CPAN/Meta/History/Meta_1_2.pod

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cpan/Locale-Maketext-Simple/t/po_with_i_default/en.po

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Files:

cpan/podlators/t/data/snippets/README

cpan/podlators/t/data/basic.cap

cpan/podlators/t/data/basic.clr

cpan/podlators/t/data/basic.man

cpan/podlators/t/data/basic.ovr

cpan/podlators/t/data/basic.pod

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Files:

cpan/podlators/t/docs/pod-spelling.t

cpan/podlators/t/docs/pod.t

cpan/podlators/t/docs/synopsis.t

cpan/podlators/t/lib/Test/RRA.pm

cpan/podlators/t/lib/Test/RRA/Config.pm

cpan/podlators/t/style/minimum-version.t
cpan/podlators/t/style/strict.t
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Files:
cpan/podlators/t/lib/Test/RRA/ModuleVersion.pm
cpan/podlators/t/docs/spdx-license.t
cpan/podlators/t/docs/urls.t
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Files:

cpan/bignum/*

cpan/Tie-RefHash/*

cpan/Win32API-File/*

cpan/ExtUtils-Install/*

cpan/Math-BigInt/*

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but, as discussed in

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1.134 json-c 0.13.1+dfsg-7ubuntu0.3

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That's all there is to it!

1.136 curl 7.68.0-1ubuntu2.5

1.136.1 Available under license :

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License Mixing

=====

libcurl can be built to use a fair amount of various third party libraries,
libraries that are written and provided by other parties that are distributed

using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

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

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libcurl

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

OpenSSL

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libressl

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BearSSL

(May be used for SSL/TLS support) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

c-ares

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

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OpenLDAP

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1.137 sensible-utils 0.0.12+nmu1

1.137.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: sensible-utils

Upstream-Contact: Anibal Monsalve Salazar <anibal@debian.org>

Source: <https://alioth.debian.org/projects/collab-maint/sensible-utils.git>

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1.138 less 551-1ubuntu0.1

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Less License

Less

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1.139 popt 1.16-14

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1.140 cryptsetup 2.2.2-3ubuntu2

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1.141 apr 1.6.5-1ubuntu1

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c, file_io/unix/mktemp.c, strings/apr_strings.c:

/*

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From dso/aix/dso.c:

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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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From strings/apr_snprintf.c:

- *
* cvt - IEEE floating point formatting routines.
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1.142 gnupg 2.2.19-3ubuntu2.1

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```

```
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```
# COPYING.other          *- org *-  
#+TITLE: List of code with permissive licenses as used by GnuPG.  
#+STARTUP: showall
```

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.143 libdevmapper 1.02.167-1ubuntu1

1.143.1 Available under license :

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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 <<https://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@ravello systems.com>
- * Allowed to skip SSL hostname verification

- * Cory Benfield <https://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@elastic hosts.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 <https://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 <<https://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

- * Thea Flowers <magicalgirl@google.com>
- * App Engine environment tests.
- * Documentation re-write.

- * 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@googlemail.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

- * Jess 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 Jess Shapiro) <jshapiro@akamai.com>
- * Ongoing maintenance; 2017-2018

- * 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

- * Bruce Merry <https://www.brucemerry.org.za>
- * Fix leaking exceptions when system calls are interrupted with zero timeout

- * Hugo van Kemenade <https://github.com/hugovk>
- * Drop support for EOL Python 2.6

- * Tim Bell <https://github.com/timb07>
- * Bugfix for responses with Content-Type: message/* logging warnings

- * Justin Bramley <https://github.com/jbramleycl>
- * Add ability to handle multiple Content-Encodings

- * Katsuhiko YOSHIDA <https://github.com/kyoshidajp>
- * Remove Authorization header regardless of case when redirecting to cross-site

- * James Meickle <https://permadeath.com/>
- * Improve handling of Retry-After header

- * Chris Jerdonek <chris.jerdonek@gmail.com>
- * Remove a spurious TypeError from the exception chain inside HTTPConnectionPool._make_request(), also for BaseExceptions.

- * [Your name or handle] <[email or website]>
- * [Brief summary of your changes]

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Upstream-Contact: <https://github.com/P-H-C/phc-winner-argon2/issues>

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Argon2 reference source code package - reference C implementations

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1.151 libproxy 0.4.15-10

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1.152 libuv 1.34.2-1ubuntu1.1

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1.153 icu 66.1-2ubuntu2

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

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

SHAREDLIBCPPFLAGS = -DPIC

Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D_REENTRANT

LIBCPPFLAGS =

Compiler switch to embed a runtime search path

LD_RPATH=

LD_RPATH_PRE= -Wl,-rpath,

Compiler switch to embed a library name

LD_SONAME = -Wl,-soname -Wl,\$(notdir \$(MIDDLE_SO_TARGET))

Shared library options

LD_SOOPTIONS= -Wl,-Bsymbolic

Shared object suffix

SO = so

Non-shared intermediate object suffix

STATIC_O = ao

Compilation rules

%. \$(STATIC_O): \$(srcdir)/%.c

\$(COMPILE.c) \$(STATICCPPFLAGS) \$(STATICCFLAGS) -o \$@ \$<

%.o: \$(srcdir)/%.c

\$(COMPILE.c) \$(DYNAMICCPPFLAGS) \$(DYNAMICCFLAGS) -o \$@ \$<

%. \$(STATIC_O): \$(srcdir)/%.cpp

\$(COMPILE.cc) \$(STATICCPPFLAGS) \$(STATICCXXFLAGS) -o \$@ \$<

%.o: \$(srcdir)/%.cpp

\$(COMPILE.cc) \$(DYNAMICCPPFLAGS) \$(DYNAMICCXXFLAGS) -o \$@ \$<

Dependency rules

%.d: \$(srcdir)/%.c

@echo "generating dependency information for \$<"

@\$(SHELL) -ec '\$(GEN_DEPS.c) \$< \

| sed "s^\(\$*\)\.o[:]*^1.o \$@ :/g\" > \$@; \

[-s \$@] || rm -f \$@'

%.d: \$(srcdir)/%.cpp

@echo "generating dependency information for \$<"

@\$(SHELL) -ec '\$(GEN_DEPS.cc) \$< \

| sed "s^\(\$*\)\.o[:]*^1.o \$@ :/g\" > \$@; \

[-s \$@] || rm -f \$@'

Versioned libraries rules

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

```
## Bind internal references
```

```
# LDflags that pkgdata will use
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
COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)
```

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1.156 lz4 1.9.2-2

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Upstream-Name: liblz4

Upstream-Contact: Yann Collet <Cyan4973@github.com>

Source: <https://github.com/lz4/lz4>

Files: *

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1.157 cron 3.0pl1-136ubuntu1

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*/

\$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp \$

Read the comments at the top of the Makefile, then edit the area marked
'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the
top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since
both the daemon and the `crontab' program will do this the first time they
run if they don't exist. You do need to have a /var, though -- just "mkdir
/var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var"
if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you
change the Makefile. These will have to be created by hand, but if you are
a long-time Usenet user you probably have them already. /usr/local/man is
where I keep my man pages, but I have the source for `man' and you probably
do not. Therefore you may have to put the man pages into /usr/man/man1,
which will be hard since there will be name collisions. (Note that the man
command was originally written by Bill Joy before he left Berkeley, and it
contains no AT&T code, so it is in UUNET's archive of freely-distributable
BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL
to be /usr/bin/sendmail even though sendmail is installed in /usr/lib.
you should check this out.

say:

make all

su and say:

make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

```
crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src
```

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no '&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):

```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/INSTALL
```

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Found in path(s):

* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/entry.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/misc.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/config.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/job.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/database.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/env.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/user.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/do_command.c
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*
* @(#)bitstring.h 5.2 (Berkeley) 4/4/90
*/

Found in path(s):

* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/bitstring.h
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.\"

.\" \$Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp \$

.\"

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* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.5

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.\"

.\" \$Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp \$

.\"

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* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.1

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Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)

'make'

'su' and 'make install'

(you may have to install the man pages by hand)

kill your existing cron process

(actually you can run your existing cron if you want, but why?)

build new crontabs using /usr/lib/{crontab,crontab.local}

(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)

start up the new cron

(must be done as root)

watch it. test it with 'crontab -r' and watch the daemon track your changes.
if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

Found in path(s):

* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/README
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.\" @(#)bitstring.3 5.1 (Berkeley) 12/13/89
.\"
```

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*/

```

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```

* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/pathnames.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/externs.h
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.\" */
.\"
.\" $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $
.\"

```

Found in path(s):

```

* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.8

```

1.158 d-bus 1.12.16-2ubuntu2

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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.

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

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

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

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

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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.)

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

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

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

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

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

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

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

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

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

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b) Use a suitable shared library mechanism for linking with the

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1.162 libseccomp 2.5.1-1ubuntu1~20.04.1

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1.163 python-apt 2.0.0

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.\" @(#)bitstring.3 5.1 (Berkeley) 12/13/89
.\"
```

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/bitstring.3
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* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/misc.c

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/job.c

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/compat.c

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/do_command.c

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/user.c

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/config.h

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/entry.c

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/cron.h

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.c

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/env.c

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\$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp \$

Read the comments at the top of the Makefile, then edit the area marked 'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since both the daemon and the `crontab' program will do this the first time they run if they don't exist. You do need to have a /var, though -- just "mkdir /var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var" if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/man1, which will be hard since there will be name collisions. (Note that the man command was originally written by Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows _PATH_SENDMAIL to be /usr/bin/sendmail even though sendmail is installed in /usr/lib. you should check this out.

say:
make all

su and say:
make install

Note that if I can get you to "su and say" something just by asking, you have a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file for help on this.

Use the `crontab' command to install all the little pieces you just created. Some examples (see below before trying any of these!)

```
crontab -u uucp -r /usr/lib/uucp/crontab.src
```

```
crontab -u news -r /usr/lib/news/crontab.src
```

```
crontab -u root -r /usr/adm/crontab.src
```

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r' command. (2) The crontab command will affect the crontab of the person using the command unless `USER' is given; `-u' only works for root. When using most `su' commands under most BSD's, `crontab' will still think of you as yourself even though you may think of yourself as root -- so use `-u' liberally. (3) the `-r' option stands for `replace'; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux' and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no '&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/INSTALL
```

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```
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.\ " * user.
.\ " *
.\ " * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
.\ " * I'll try to keep a version up to date. I can be reached as follows:
.\ " * Paul Vixie    <paul@vix.com>    uunet!decwrl!vixie!paul
.\ " */
.\ "
```

.\\$Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp \$

.\

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/crontab.1

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*/

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/compat.h

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/pathnames.h

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/externs.h

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.\ * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul

.\ */

.\

.\\$Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp \$

.\"

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/cron.8

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*

* @(#)bitstring.h 5.2 (Berkeley) 4/4/90

*/

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/bitstring.h

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.\" */

```
.\n
.\n $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $\n
.\n
```

Found in path(s):

```
*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.5
```

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# *
# * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
# * I'll try to keep a version up to date. I can be reached as follows:
# * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
# */
```

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)

'make'

'su' and 'make install'

(you may have to install the man pages by hand)

kill your existing cron process

(actually you can run your existing cron if you want, but why?)

build new crontabs using /usr/lib/{crontab,crontab.local}

(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)

start up the new cron

(must be done as root)

watch it. test it with 'crontab -r' and watch the daemon track your changes.

if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

Found in path(s):

* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/README

1.166 gnutls 3.6.13-2ubuntu1.3

1.166.1 Available under license :

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Version 2.1, February 1999

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1.169 python-requests 2.22.0-2ubuntu1

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1.170 six 1.14.0-2

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1.171 gsettings-desktop-schemas 3.36.0-

1ubuntu1

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1.172 liburi-perl 1.76-2

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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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the Free Software Foundation; either version 1, or (at your option)  
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```

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

The hypothetical commands `show w' and `show c' should show the
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commands you use may be called something other than `show w' and `show
c'; they could even be mouse-clicks or menu items--whatever suits your
program.

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

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

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

That's all there is to it!

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The End

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1.175 kerberos 1.17-6ubuntu4.1

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1.177 openssl 1.1.1f-1ubuntu2.4

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```
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```

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```
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```

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1.178 util-linux 2.34-0.1ubuntu9

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1.180 zlib 1.2.11.dfsg-2ubuntu1

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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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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).

*/

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1.181 npth 1.6 1

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1.182 python 3.8.2-0ubuntu2

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This package was put together by Klee Dienes <klee@debian.org> from sources from ftp.python.org:/pub/python, based on the Debianization by the previous maintainers Bernd S. Brentrup <bsb@uni-muenster.de> and Bruce Perens.

Current maintainer is Matthias Klose <doko@debian.org> until the final 2.3 version is released.

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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
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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
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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
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
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
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=====
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1.183 diffutils 3.7-3

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1.188 iptables 1.8.4-3ubuntu2

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```
Gnomovision version 69, Copyright (C) year name of author
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under certain conditions; type `show c' for details.
```

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

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

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1.189 nghttp2 1.40.0-1build1

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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1.190 findutils 4.7.0 1ubuntu1

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1.194 net-tools 1.60+git20180626.aebd88e-1ubuntu1

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

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

Corresponding Source from a network server at no charge.

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

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

e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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

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

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object

code is in no case prevented or interfered with solely because modification has been made.

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```
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@c The GNU General Public License.  
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```

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@c This file is intended to be included within another document,  
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```
@heading Preamble
```

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

@heading TERMS AND CONDITIONS

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Author: Per Bothner

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1.202 sysv-init 2.96-2.1ubuntu1

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1.203 c-ares 1.17.1

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1.204 systemd 245.4-4ubuntu3.6

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1.205 ncurses 6.2-0ubuntu2

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1.206 pygobject 3.36.0

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1.208 libpsl 0.21.0-1ubuntu1

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1.209 pam 1.3.1-5ubuntu4.2

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1.210 tar 1.30+dfsg-7ubuntu0.20.04.1

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

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

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

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

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

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

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

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

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man/errc.3bsd
man/explicit_bzero.3bsd
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src/arc4random_uniform.c

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src/closefrom.c

src/getentropy_aix.c

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src/inet_net_pton.c

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include/bsd/md5.h

src/hash/md5.c

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1.213 python-setuptools 45.2.0-1

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1.214 python 3.8.5-1~20.04.2

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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.

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

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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
2.1.2	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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