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1.2 nss-ldap 265

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1.3 libdbusc++ 0.9.0

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

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

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library

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

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1.4 python-characteristic 14.3.0

1.4.1 Available under license :

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1.5 samba 3.6.25

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```
-- Tom St Denis
./gitignore    X 2009
./ChangeLog    X 2003,2004,2005,2006,2007
./LICENSE      X 2003,2004,2005,2006,2007
./MANIFEST.in  X 2003,2004,2005,2006,2007
./Makefile     MAKE 2003,2004,2005,2006,2007,2009
./README       X 2003,2004,2005,2006,2007
./TODO         X 2003,2004,2005,2006,2007
./dns/__init__.py  PYTHON 2003,2004,2005,2006,2007,2009
./dns/dnssec.py  PYTHON 2003,2004,2005,2006,2007,2009
./dns/e164.py    PYTHON 2006,2007,2009
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./util/copyrights X 2003,2004,2005,2006,2007
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1.6 apr-util 1.6.1

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```
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1.7 netifaces 0.10.9

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Any executables

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compiler/cpp/src/generate/t_hs_generator.cc
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compiler/cpp/src/generate/t_ocaml_generator.cc
compiler/cpp/src/generate/t_perl_generator.cc
compiler/cpp/src/generate/t_php_generator.cc
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compiler/cpp/src/generate/t_st_generator.cc
compiler/cpp/src/generate/t_xsd_generator.cc
compiler/cpp/src/main.cc
compiler/cpp/src/parse/t_field.h
compiler/cpp/src/parse/t_program.h
compiler/cpp/src/platform.h
compiler/cpp/src/thrift.ll
compiler/cpp/src/thrift.yy
lib/csharp/src/Protocol/TBinaryProtocol.cs
lib/csharp/src/Protocol/TField.cs
lib/csharp/src/Protocol/TList.cs
lib/csharp/src/Protocol/TMap.cs
lib/csharp/src/Protocol/TMessage.cs
lib/csharp/src/Protocol/TMessageType.cs
lib/csharp/src/Protocol/TProtocol.cs
lib/csharp/src/Protocol/TProtocolException.cs
lib/csharp/src/Protocol/TProtocolFactory.cs
lib/csharp/src/Protocol/TProtocolUtil.cs
lib/csharp/src/Protocol/TSet.cs
lib/csharp/src/Protocol/TStruct.cs
lib/csharp/src/Protocol/TType.cs
lib/csharp/src/Server/TServer.cs
lib/csharp/src/Server/TSimpleServer.cs
lib/csharp/src/Server/TThreadPoolServer.cs
lib/csharp/src/TApplicationException.cs

```
lib/csharp/src/Thrift.csproj
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
test/ThriftTest.thrift
```

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```
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```

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*/  
(By Douglas Crockford <douglas@crockford.com>)
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1.9 bzip2 1.0.8

1.10 log4cxx 0.10.0

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    @import url("../css/maven-theme.css");
    @import url("../css/site.css");
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  </div>
  <div id="breadcrumbs">
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    <div class="xleft">
      Last Published: 2008-03-31
```

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    |
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[Apache](http://www.apache.org/)
>

[Logging Services](http://logging.apache.org/)
>

log4cxx
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License

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API Documentation

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FAQ

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Repository


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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline

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Any executables

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

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form

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

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

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

Section 6 states terms for distribution of such executables.

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for

reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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

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charset=UTF-8

vim600: encoding=UTF-8

"streamable kanji code filter and converter"

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1998/11/10 sgk implementation in C++

1999/4/25 sgk C

1999/4/26 sgk

1999/6/?? Unicode

1999/6/22 sgk LGPL

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1.12 libmnl 1.0.4

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1.15 libevdev 1.5.8

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1.17 hd-parm 9.58

1.18 libsrtp v2.0.0

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1.20 diffutils 3.7

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1.21 dhcp 4.1-ESV-R15

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

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

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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=====

vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

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```
<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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    </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:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>
</xsl:stylesheet>
```

<!--

- Local variables:
- mode: sgml
- End:

-->

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ignore

scl/syslogconf/convert-syslogconf.awk\$

.*/**.am\$

.*\.(yml|md|y|l|txt|xml|xsd|log|key|crt|files|in|conf\example|gradle|mk|supp|sub|guess|list|pc\cmake)\$

\.*rc\$

.*[/^]+-grammar\.[ch]\$

(.*)?(README|\.gitignore|pylintrc)\$

lib/ivykis

lib/jsonc

lib/eventlog

modules/afamqp/rabbitmq-c

modules/afmongodb/mongo-c-driver

modules/java/org_syslog_ng_[^/_-]+\h\$

modules/(afmongodb|afamqp)/dummy\c\$

dev-utils/plugin_skeleton_creator/plugin_template.*

(lib|modules)/*\conf\$

dist\conf\$

.*\gradle

scl/syslog-ng\conf\$

tests/copyright/policy\$

(syslog-ng-)?config\h\$

lib/cfg-lex\.[ch]\$

tgz2build

autom4te\cache

m4

Mk

.*\.(a|bin|class|css|dirstamp|html|idx|jar|js|o|la|lai|lo|MF|persist|Plo|Po|pc|pyc|so|so\0\0\0|soT|spec|trs)\$

(.*)?Makefile\$

doc/man

(_configs\sed|\project\cproject|config\status)\$

stamp-h1\$

tests/functional/test\conf\$

scripts/update-patterndb\$

(contrib|debian)

doc/ChangeLog\.[0-9]\$

(\gitmodules|AUTHORS|COPYING|INSTALL|VERSION|aclocal\m4|compile|configure|depcomp|install-

sh|libtool|ltmain\sh|missing|test-driver|ylwrap)\$

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GPATH|GTAGS|GRTAGS|GSYMS

dbld/build/*\$

dbld/release/*\$

dbld/install/*\$

dbld/images/*\$

GPLv2.1+_SSL

autogen\sh\$

cmake

sub-configure\sh\$
configure\ac\$
Makefile\am\$
lib/(compat|str-repr|control|debugger|filter|logproto|parser|rewrite|stats|template|tests|transport|logmsg|value-pairs|[/]*\$)
lib/scanner/(csv-scanner|list-scanner|kv-scanner|[/]*\$)
libtest
syslog-ng(-ctl)?
modules/java-modules/common
modules/java/(native|proxies|src)
modules/native
GPLv2+_SSL
dev-utils/plugin_skeleton_creator/create_plugin.sh
tests
modules/java/(tools|[/]*\$)
modules/java-modules/(dummy|elastic|elastic-v2|hdfs|http|kafka|[/]*\$)
modules/(afamqp|affile|afmongodb|afprog|afsmtp|afsocket|afsql|afstomp|afstreams|afuser|basicfuncs|cef|confgen|cry-ptofuncs|csvparser|date|diskq|dbparser|geoip|geoip2|graphitel|json|kvformat|linux-kmsg-format|pacctformat|pseudofile|python|redis|riemann|syslogformat|systemd-journal|getent|system-source|stardate|snmptrapd-parser|[/]*\$)
modules/(add-contextual-data|map-value-pairs|[/]*\$)
scl
scripts
 GPLv2+_SSL,non-balabit
modules/http
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A:

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1.23 unzip 60

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FIRST NOTE:

This file contains some details about the copyright history of contributions to the UnZip project.

Additionally, it summarises some exceptions to the general BSD-like copyright found in LICENSE that covers our generic code and most of

the system specific ports.

Please read LICENSE first to find out what is allowed to do with Info-ZIP's UnZip code.

There are currently two explicit copyrights on portions of UnZip code (at least, of which Info-ZIP is aware):

Jim Luther's Mac OS File Manager interface code; and Christopher Evans' MacBinaryIII coding code (for the MacOS port).. These copyrights are discussed in more detail below.

All remaining

code is now (starting with UnZip version 5.41) covered by the new Info-ZIP license. For details, please read the accompanying file LICENSE. The terms and conditions in this license supersede the copyright conditions of the contributions by Igor Mandrichenko (vms/vms.c), Greg Roelofs (zipinfo.c, new version of unshrink.c), Mike White (Windows DLL code in "windll/*"), Steve P. Miller (Pocket UnZip GUI "wince/*"), and Mark Adler (inflate/explode decompression core routines, previously put into the public domain). All these Info-ZIP contributors (or "primary" authors) have permitted us to replace their copyright notes by the Info-ZIP License.

Frequently Asked Questions regarding (re)distribution of Zip and UnZip are near the end of this file.

There are no known patents on any of the code in UnZip. Unisys claims a patent on LZW encoding and on LZW decoding _in an apparatus that performs LZW encoding_, but the patent appears to exempt a stand-alone decoder (as in UnZip's unshrink.c). Unisys has publicly claimed otherwise, but the issue has never been tested in court. Since this point is unclear, unshrinking is not enabled by default. It is the responsibility of the user to make his or her peace with Unisys and its licensing requirements. (unshrink.c may be removed from future releases altogether.)

The original unzip source code has been extensively modified and almost entirely rewritten (changes include random zipfile access rather than sequential; replacement of unimplode() with explode(); replacement of old unshrink() with new (unrelated) unshrink(); replacement of output routines; addition of inflate(), wildcards, filename-mapping, text translation, ...; etc.). As far as we can tell, only the core code of the unreduce method remained substantially similar to Mr. Smith's original source. As of UnZip 5.42, the complete core code is now covered by the Info-ZIP Licence. Therefore, support

for the reduce method has been removed.

The drop of the reduce method should only affect some test archives,

reducing was never used in any publically distributed Zip program.

For pathologic cases where support for reduced archive entries is needed, the unreduce code copyrighted by Samuel H. Smith is available as a separate distribution (the restricted copyright of this code is cited below in the "historical" section).

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- * MoreFiles
- *
- * A collection of File Manager and related routines
- *
- * by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- * with significant code contributions by Nitin Ganatra
- * (Apple Macintosh Developer Technical Support Emeritus)
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- * MacBinaryIII.h
- *
- * Copyright 1997 Christopher Evans (cevans@poppybank.com)

- *
 - * Basic encoding and decoding of Macintosh files to the
 - * MacBinary III spec.
 - * -----
 - * This source is copyrighted by Christopher Evans (cevens@poppybank.com)
 - * (available at ftp://ftp.lazerware.com/MacBinaryIII_src_C.sit
 - * homepage of Leonard Rosenthol leonardr@netcom.com)

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Regarding the first stipulation, Mr. Smith was tracked down in southern California some years back [Samuel H. Smith, The Tool Shop; as of mid-May 1994, (213) 851-9969 (voice), (213) 887-2127(?) (subscription BBS), 71150.2731@compuserve.com]:

"He says that he thought that whoever contacted him understood that he has no objection to the Info-ZIP group's inclusion of his code. His primary concern is that it remain freely distributable, he said."

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

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The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

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

1.24 libconfig 1.7.2

1.24.1 Available under license :

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Version 2.1, February 1999

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@c

@c %**start of header

@c All text is ignored before the setfilename.

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This package was debianized by Jose Luis Tallon <jltallon@adv-solutions.net> on
Tue, 10 Oct 2006 01:42:09 +0200.

It was downloaded from <http://www.hyperrealm.com/libconfig>

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Glenn Herteg - Enhancements, bugfixes, documentation corrections.
Jose Luis Tallon - Enhancements, bugfixes

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1.25 boost 1.55.0

1.25.1 Available under license :

```
[article Invalid copyright
[quickbook 1.5]
[copyright No year]
]
```

Maybe this should pass?

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<!-- Copyright (c) 2001-2006 CrystalClear Software, Inc.
```

```
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```

```
(See accompanying file LICENSE_1_0.txt or http://www.boost.org/LICENSE_1_0.txt)
```

```
-->
```

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<section id="date_time.license">
```

```
<title>Boost Date-Time Library License</title>
```

```
<bridgehead renderas="sect2">Boost Date-Time Library License</bridgehead>
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<!--
```

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```

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fileref="../../boost.png"
```

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alt="C++ Boost" />
```

```
</ulink>-->
```

```
<!--hr /-->
```

```
<para>
```

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[Jeff Garland](mailto:jeff@crystalclearsoftware.com)
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```

</section>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=US-ASCII">
<title>MPL Interoperability</title>
<link rel="stylesheet" href="../../doc/src/boostbook.css" type="text/css">
<meta name="generator" content="DocBook XSL Stylesheets V1.75.2">
<link rel="home" href="../../index.html" title="Chapter 1: Boost.TypeTraits">
<link rel="up" href="../../index.html" title="Chapter 1: Boost.TypeTraits">
<link rel="prev" href="intrinsic.html" title="Support for Compiler Intrinsics">
<link rel="next" href="examples.html" title="Examples">
</head>
<body bgcolor="white" text="black" link="#0000FF" vlink="#840084" alink="#0000FF">
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<td align="center"><a href="../../libs/libraries.htm">Libraries</a></td>
<td align="center"><a href="http://www.boost.org/users/people.html">People</a></td>
<td align="center"><a href="http://www.boost.org/users/faq.html">FAQ</a></td>
<td align="center"><a href="../../more/index.htm">More</a></td>
</tr></table>
<hr>
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<a accesskey="p" href="intrinsic.html"></a><a
accesskey="u" href="../../index.html"></a><a accesskey="h"
href="../../index.html"></a><a accesskey="n"

```



```

href="examples.html"></a>
</div>
<div class="section">
<div class="titlepage"><div><div><h2 class="title" style="clear: both">
<a name="boost_typedtraits.mpl"></a><a class="link" href="mpl.html" title="MPL Interoperability">MPL
Interoperability</a>
</h2></div></div></div>
<p>
    All the value based traits in this library conform to MPL's requirements for
    an <a
href="../../libs/mpl/doc/refmanual/integral-constant.html" target="_top">Integral
    Constant type</a>: that includes a number of rather intrusive workarounds
    for broken compilers.
</p>
<p>
    Purely as an implementation detail, this means that <code class="computeroutput"><a class="link"
href="reference/integral_constant.html" title="integral_constant">true_type</a></code>
    inherits from <a href="../../libs/mpl/doc/refmanual/bool.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">true_</span></code></a>,
    <code class="computeroutput"><a class="link" href="reference/integral_constant.html"
title="integral_constant">false_type</a></code>
    inherits from <a href="../../libs/mpl/doc/refmanual/bool.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span
class="special">::</span><span class="identifier">mpl</span><span class="special">::</span><span
class="identifier">false_</span></code></a>,
    and <code class="computeroutput"><a class="link" href="reference/integral_constant.html"
title="integral_constant">integral_constant</a><span class="special">&lt;</span><span
class="identifier">T</span><span class="special">,</span>
    <span class="identifier">v</span><span class="special">&gt;</span></code>
    inherits from <a href="../../libs/mpl/doc/refmanual/integral-c.html" target="_top"><code
class="computeroutput"><span class="identifier">boost</span><span class="special">::</span><span
class="identifier">mpl</span><span class="special">::</span><span class="identifier">integral_c</span><span
class="special">&lt;</span><span class="identifier">T</span><span class="special">,</span><span
class="identifier">v</span><span class="special">&gt;</span></code></a>
    (provided <code class="computeroutput"><span
class="identifier">T</span></code> is not <code class="computeroutput"><span
class="keyword">bool</span></code>)
</p>
</div>
<table xmlns:rev="http://www.cs.rpi.edu/~gregod/boost/tools/doc/revision" width="100%"><tr>
<td align="left"></td>
<td align="right"><div class="copyright-footer">Copyright &#169; 2000, 2011 Adobe Systems Inc, David
Abrahams,
    Frederic Bron, Steve Cleary, Beman Dawes, Aleksey Gurtovoy, Howard Hinnant,
    Jesse Jones, Mat Marcus, Itay Maman, John Maddock, Alexander Nasonov, Thorsten
    Ottosen, Roman Perepelitsa, Robert Ramey, Jeremy Siek, Robert Stewart and Steven
    Watanabe<p>

```

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target="_top">http://www.boost.org/LICENSE_1_0.txt)

</p>
</div></td>
</tr></table>
<hr>
<div class="spirit-nav">

</div>
</body>
</html>

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--- end ---

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

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

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.

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

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

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

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

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

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

Thomas Funke (thf@zelator.in-berlin.de(?)) and

Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.

Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.

Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn't made it into the released version of the collector, yet.)

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

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//

// See <http://www.boost.org/libs/container> for documentation.

//

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

#ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#define BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP

#if defined(_MSC_VER)

pragma once

#endif

#include <cstddef>

namespace boost {

namespace container {

namespace container_detail {

template <class T, T val>

struct integral_constant

{

```

static const T value = val;
typedef integral_constant<T,val> type;
};

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

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

typedef true_ true_type;
typedef false_ false_type;

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

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

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

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

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

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

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };
    static true_t dispatch(U);
    static false_t dispatch(...);
};

```

```

static T trigger();
public:
enum { value = sizeof(dispatch(trigger())) == sizeof(true_t) };
};

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

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

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

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

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

// identity is an extension: it is not part of the standard.

```



```

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

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

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

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

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

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

#endif //ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPL_HPP
////////////////////////////////////////////////////////////////
//
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//
// See http://www.boost.org/libs/intrusive for documentation.
//
////////////////////////////////////////////////////////////////

```

```

#ifndef BOOST_INTRUSIVE_DETAIL_MPL_HPP
#define BOOST_INTRUSIVE_DETAIL_MPL_HPP

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

namespace boost {
namespace intrusive {
namespace detail {

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

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

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

typedef true_  true_type;
typedef false_ false_type;

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

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

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

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

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

```

```

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

```

```

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

```

```

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

```

```

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

```

```

template<
    bool C
    , typename F1
    , typename F2
>
struct

```

```
eval_if_c
    : if_c<C,F1,F2>::type
{};
```

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

// identity is an extension: it is not part of the standard.

```
template <class T>
struct identity
{
    typedef T type;
};
```

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

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

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

// see boost ticket #4094

```
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
```

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

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

```

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

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

#ifndef _MANAGED

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

#endif

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

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

#endif

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

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

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

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

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

#ifndef _MANAGED

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

#endif

```

```

#endif

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

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

#endif

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

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

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

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

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

#ifndef _MANAGED

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

#endif

#endif

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

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

```

```

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

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

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative
template
<typename T> struct alignment_of;

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

template <unsigned A, unsigned S>
struct alignment_logic
{
    static const std::size_t value = A < S ? A : S;
};

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

template <typename T, typename U>
struct is_same
{
    static const bool value = false;
};

template <typename T>
struct is_same<T, T>
{
    static const bool value = true;
};

```

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

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

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

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

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

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

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

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

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

```
template<class Class>
class is_empty_class
{
    template <typename T>
    struct empty_helper_t1 : public T
    {
```



```

    empty_helper_t1();
    int i[256];
};

struct empty_helper_t2
{ int i[256]; };

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

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

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

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

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

```

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

```
#endif
```

```
//BOOST_INTRUSIVE_DETAIL_MPL_HPP
```

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```
=====
```

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```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
```

```

<title>Copyright Test</title>
<articleinfo>
  <copyright>
    <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
  </copyright>
  <copyright>
    <year>2018</year> <holder>Joe Blow, John Coe</holder>
  </copyright>
  <copyright>
    <year>1977</year> <year>1985</year> <holder>Someone else</holder>
  </copyright>
</articleinfo>
</article>

```

=====
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```

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```
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```

```
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//

// See <http://www.boost.org/libs/interprocess> for documentation.

//

//

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#if (defined _MSC_VER) && (_MSC_VER >= 1200)

pragma once

#endif

#include <cstddef>

namespace boost {

namespace interprocess {

namespace ipcdetail {

template <class T, T val>

struct integral_constant

{

static const T value = val;

typedef integral_constant<T,val> type;

};

template< bool C_ >

struct bool_ : integral_constant<bool, C_>

{

static const bool value = C_;

};

typedef bool_<true> true_;

typedef bool_<false> false_;

typedef true_ true_type;

typedef

false_ false_type;

typedef char yes_type;

struct no_type

```

{
    char padding[8];
};

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

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

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

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

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

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

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

```

```

template<
    typename T1
    , typename T2
    , typename T3
    >
struct if_
{

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


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

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

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
// : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x; }
};

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

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

template<>

```



```

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

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

#endif //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
[/
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]

```

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements for an [\[@../.../libs/mpl/doc/refmanual/integral-constant.html Integral Constant type\]](#): that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `__true_type` inherits from [\[@../.../libs/mpl/doc/refmanual/bool.html `boost::mpl::true\\_`\]](#), `__false_type` inherits from [\[@../.../libs/mpl/doc/refmanual/bool.html `boost::mpl::false\\_`\]](#), and `__integral_constant<T, v>` inherits from [\[@../.../libs/mpl/doc/refmanual/integral-c.html `boost::mpl::integral\\_c<T,v>`\]](#) (provided `T` is not `bool`)

[endsect]

/*

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*
*/

```

```

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

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

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

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

```

```

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

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

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output.";
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }
    os <<
        "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 Transitional//EN\">\n"
        "<html>\n"
        "<head>\n"
        "<title>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
    os <<
        "</title>\n"
        "</head>\n"
        "<body>\n"
        "<H1>Boost Licence Dependency Information";
    if(m_module_list.size() == 1)
    {
        os << " for " << *(m_module_list.begin());
    }
    os <<
        "</H1>\n"
        "<H2>Contents</h2>\n"
        "<pre><a href=\"#input\">Input Information</a>\n";
    if(!m_bsl_summary_mode)
        os << "<a href=\"#summary\">Licence Summary</a>\n";
    os << "<a href=\"#details\">Licence Details</a>\n";

    while(i != j)
    {
        // title:

```

```

os << "  <a href=\"#\" << make_link_target(licenses.first[i->first].license_name)
    << "\">" << licenses.first[i->first].license_name << "</a>\n";
    ++i;
}

os << "<a href=\"#files\">Files with no recognised license</a>\n"
    "<a href=\"#authors\">Files with no recognised copyright holder</a>\n";
if(!m_bsl_summary_mode)
{
    os <<
        "Moving to the Boost Software License...\n"
        "  <a href=\"#bsl-converted\">Files
that can be automatically converted to the Boost Software License</a>\n"
        "  <a href=\"#to-bsl\">Files that can be manually converted to the Boost Software License</a>\n"
        "  <a href=\"#not-to-bsl\">Files that can <b>NOT</b> be moved to the Boost Software License</a>\n"
        "  <a href=\"#need-bsl-authors\">Authors we need to move to the Boost Software License</a>\n"
        "<a href=\"#copyright\">Copyright Holder Information</a>\n";
}
os <<
    "<a href=\"#depend\">File Dependency Information</a>\n"
    "</pre>";

//
// input Information:
//
os << "<a name=\"input\"></a><h2>Input Information</h2>\n";
if(m_scan_mode)
    os << "<P>The following files were scanned for boost dependencies:<BR>";
else
    os << "<P>The following Boost modules were checked:<BR>";

std::list<std::string>::const_iterator si = m_module_list.begin();
std::list<std::string>::const_iterator sj = m_module_list.end();
while(si != sj)
{
    os
    << *si << "<BR>";
    ++si;
}
os << "<p><p>The Boost path was: <code>" << m_boost_path.string() << "</code></P>";
//
// extract the boost version number from the boost directory tree,
// not from this app (which may have been built from a previous
// version):
//
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^[[:blank:]]*#[[:blank:]]*define[[:blank:]]+BOOST_VERSION[[:blank:]]+(\d+)");

```

```

boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 1000 << "." << version % 100
<< "</P>\n";
}

//
// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    //
    // start with the summary:
    //
    os << "<a name=\"summary\"></a><h2>Licence
Summary</h2>\n";
    while(i != j)
    {
        // title:
        os <<
            "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
        os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
        os << "<P>This license is used by " << i->second.authors.size()
            << " authors and " << i->second.files.size()
            << " files <a href=\"#\" << make_link_target(licenses.first[i->first].license_name) << "\">(see details)</a>";
        os << "</P></BLOCKQUOTE>\n";
        ++i;
    }
}
//
// and now the details:
//
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
os << "<a name=\"details\"></a><h2>Licence Details</h2>\n";
while(i != j)
{
    // title:
    os <<
        "<H3><A name=\"" << make_link_target(licenses.first[i->first].license_name)
        << "\"></a>" << licenses.first[i->first].license_name

```

```

<< "</H3>\n";
// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
if(!m_bsl_summary_mode || (license_index >= 3))
{
    // Copyright holders:
    os << "<P>This license is used by the following " << i->second.authors.size() << " copyright
holders:</P>\n<BLOCKQUOTE><P>";
    std::set<std::string>::const_iterator x, y;
    x = i->second.authors.begin();
    y = i->second.authors.end();
    while(x != y)
    {
        os << *x << "<BR>\n";
        ++x;
    }
    os << "</P></BLOCKQUOTE>\n";
    // Files using this license:
    os << "<P>This license applies to the following " << i->second.files.size() << "
files:</P>\n<BLOCKQUOTE><P>";
    std::set<fs::path, path_less>::const_iterator m, n;
    m = i->second.files.begin();
    n = i->second.files.end();
    while(m != n)
    {
        os << split_path(m_boost_path,
*m) << "<br>\n";
        ++m;
    }
    os << "</P></BLOCKQUOTE>\n";
}
else
{
    os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).</P>\n";
    os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).</P>\n";
}
++license_index;
++i;
}
//
// Output list of files not found to be under license control:
//
os << "<h2><a name=\"files\"></a>Files With No Recognisable Licence</h2>\n";
    "<P>The following " << m_unknown_licenses.size() << " files had no recognisable license
information:</P><BLOCKQUOTE><P>\n";
    std::set<fs::path, path_less>::const_iterator i2, j2;
    i2 = m_unknown_licenses.begin();
    j2 = m_unknown_licenses.end();

```

```

while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
//
// Output list of files with no found
copyright holder:
//
os << "<h2><a name=\"authors\"></a>Files With No Recognisable Copyright Holder</h2>\n"
    "<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright
holder:</P>\n<BLOCKQUOTE><P>";
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
    //
    // Output list of files that have been moved over to the Boost
    // Software License, along with enough information for human
    // verification.
    //
    os << "<h2><a name=\"bsl-converted\"></a>Files that can be automatically converted to the Boost Software
License</h2>\n"
        "<< "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost
Software License, but require manual verification before they can be committed to CVS:</P>\n";
    if (!m_converted_to_bsl.empty())

    {
        typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
            ::const_iterator conv_iterator;
        conv_iterator i = m_converted_to_bsl.begin(),
            ie = m_converted_to_bsl.end();
        int file_num = 1;
        while (i != ie)
        {
            os << "<P>[" << file_num << "]" File: <tt>" << split_path(m_boost_path, i->first)
                << "</tt><br>\n<table border=\"1\">\n  <tr>\n    <td><pre>"
                << i->second.first << "</pre></td>\n  <td><pre>"
                << i->second.second << "</pre></td>\n  </tr>\n</table>\n";
            ++i;
            ++file_num;
        }
    }
}

```

```

    }
}
//
// Output list of files that could be moved over to the Boost Software License
//
os << "<h2><a name=\"to-bsl\"></a>Files that could be converted to the Boost Software License</h2>\n"
"<P>The following " << m_can_migrate_to_bsl.size() << " files could be manually
converted to the Boost Software License, but have not yet been:</P>\n<BLOCKQUOTE><P>";
    i2 = m_can_migrate_to_bsl.begin();
    j2 = m_can_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>\n";
        ++i2;
    }
os << "</p></BLOCKQUOTE>";
//
// Output list of files that can not be moved over to the Boost Software License
//
os << "<h2><a name=\"not-to-bsl\"></a>Files that can NOT be converted to the Boost Software
License</h2>\n"
"<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software
License because we need the permission of more authors:</P>\n<BLOCKQUOTE><P>";
    i2 = m_cannot_migrate_to_bsl.begin();
    j2 = m_cannot_migrate_to_bsl.end();
    while(i2 != j2)
    {
        os << split_path(m_boost_path, *i2) << "<br>\n";
        ++i2;
    }
os << "</p></BLOCKQUOTE>";
//
// Output list of authors that
we need permission for to move to the BSL
//
os << "<h2><a name=\"need-bsl-authors\"></a>Authors we need for the BSL</h2>\n"
"<P>Permission of the following authors is needed before we can convert to the Boost Software License. The
list of authors that have given their permission is contained in <code>more/blanket-
permission.txt</code>.</P>\n<BLOCKQUOTE><P>";
    std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
        std::ostream_iterator<std::string>(os, "<br>\n"));
os << "</p></BLOCKQUOTE>";
//
// output a table of copyright information:
//
os << "<H2><a name=\"copyright\"></a>Copyright Holder Information</H2><table border=\"1\">\n";
std::map<std::string, std::set<fs::path, path_less> >::const_iterator ad, ead;
ad = m_author_data.begin();

```



```

    ead = m_author_data.end();
    while(ad != ead)
    {
        os << "<tr><td>" << ad->first << "</td><td>";
        std::set<fs::path,
path_less>::const_iterator fi, efi;
        fi = ad->second.begin();
        efi = ad->second.end();
        while(fi != efi)
        {
            os << split_path(m_boost_path, *fi) << " ";
            ++fi;
        }
        os << "</td></tr>\n";
        ++ad;
    }
    os << "</table>\n";
}

//
// output file dependency information:
//
os << "<H2><a name=\"depend\"></a>File Dependency Information</H2><BLOCKQUOTE><pre>\n";
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(),
m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "<P>For brevity, only files not under the BSL are shown</P>\n";
}

```

```

}
while(fi != efi)
{
    os << split_path(m_boost_path, *fi);
    dep = m_dependencies.find(*fi);
    last_dep = m_dependencies.end();
    std::set<fs::path, path_less> seen_deps;
    if (dep != last_dep)
        while(true)
        {
            os << " -> ";
            if(fs::exists(m_boost_path / dep->second))
                os << split_path(m_boost_path, dep->second);
            else if(fs::exists(dep->second))
                os << split_path(fs::path(), dep->second);
            else
                os << dep->second.string();
            if(seen_deps.find(dep->second) != seen_deps.end())
            {
                os << " <I>(Circular dependency!)</I>";
                break; // circular dependency!!!
            }
            seen_deps.insert(dep->second);
            last_dep = dep;
            dep = m_dependencies.find(dep->second);
            if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
                break;
        }
    os << "\n";
    ++fi;
}
os << "</pre></BLOCKQUOTE>\n";

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

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

}

[/=====
Boost.Geometry (aka GGL, Generic Geometry Library)

```

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1.26 tar 1.32

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Version 3, 29 June 2007

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section 10

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1.30 libevent 2.1.10

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1.31 libidn 1.35

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1. Seti UI - A subtle dark colored UI theme for Atom. (<https://github.com/jesseweed/seti-ui>)

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```
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```

The hypothetical commands

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1.43 kmod 27

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

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

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

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

Keith

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

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

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete

Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

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

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

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

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

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

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

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

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

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```

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```

@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

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```

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Any

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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

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

b) Accompany the

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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Here is a sample; alter the names:

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

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Version 3, 29 June 2007

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The

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and valid for as

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1.50 acpid 2.0.32

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1.51 tcl 8.6.9

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

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

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

The

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

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

@heading TERMS AND CONDITIONS

@enumerate 0

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

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

An interactive user interface displays ``Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface

presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.

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

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

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

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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.

@item

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.

@item

Convey the object code by offering access from a designated place

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@item

Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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

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

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@end smallexample

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```
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This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
This is free software, and you are welcome to redistribute it
under certain conditions; type @samp{show c} for details.
@end smallexample
```

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@c man end

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

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

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

concluded that weaker conditions might promote sharing better.

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1.53 apache-http-server 2.4.43

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```

/*****
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* National Center for Supercomputing Applications
* University of Illinois at Urbana-Champaign
* 605 E. Springfield, Champaign, IL 61820
* httpd@ncsa.uiuc.edu
*

```

```

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```
*/
```

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```
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/*  
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* -----  
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```

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 */

For the test\zb.c component:

```
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=====
```

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Written by Adam Twiss (adam@zeus.co.uk). March 1996

Thanks to the following people for their input:

Mike Belshe (mbelshe@netscape.com)
 Michael Campanella (campanella@stevms.enet.dec.com)

```
*/
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en"><head>
<meta content="text/html; charset=ISO-8859-1" http-equiv="Content-Type" />
<!--
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
```

[illegible]

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```
</div>
</div>
<div class="bottomlang">
<p><span>Available Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;</a></p>
</div><div class="top"><a href="#page-header"></a></div><div
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<script type="text/javascript"><!--<!--><![CDATA[<!--<!--
var comments_shortcode = 'httpd';
var comments_identifier = 'http://httpd.apache.org/docs/2.4/license.html';
(function(w, d) {
  if (w.location.hostname.toLowerCase() == "httpd.apache.org") {
    d.write('<div id="comments_thread"></div>');
    var s = d.createElement('script');
    s.type = 'text/javascript';
    s.async = true;
    s.src = 'https://comments.apache.org/show_comments.lua?site=' + comments_shortcode + '&page=' +
comments_identifier;
    (d.getElementsByTagName('head')[0] || d.getElementsByTagName('body')[0]).appendChild(s);
  }
  else {
    d.write('<div id="comments_thread">Comments are disabled for this page at the moment.</div>');
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href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
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1.54 coreutils 8.32

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```

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```
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```

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1.55 e2fsprogs 1.45.6

1.55.1 Available under license :

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

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

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On Debian systems, the complete text of the GNU Lesser (Library) General Public License can be found in /usr/share/common-licenses/LGPL-2. This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

all:: image

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

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

image: \$(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::

\$(RM) -f \$(DESTDIR)\$ (BSDLIB_INSTALL_DIR)/\$(BSD_LIB)

clean::

\$(RM)

-rf pic

\$(RM) -f \$(BSD_LIB)

\$(RM) -f ../\$(BSD_LIB)

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

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Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

*/

/*

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

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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Theodore Ts'o
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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

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1.56 glibc 2.31

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[PCRE]

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

University of Cambridge Computing Service,
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[Misc C library code]

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 */
```

[zlib]

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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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://www.ietf.org/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

*/

[edoc, syntax_tools]

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```

[leex]

```
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1.59 python 2.7.18

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A. HISTORY OF THE SOFTWARE

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

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

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

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

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 13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
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 - 31. [34]Dave Katz <dkatz@cisco.com> RS/6000 AIX port
 - 32. [35]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
 - 33. [36]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
 - 34. [37]Louis A. Mamakos <louie@ni.umd.edu> MD5-based authentication
 - 35. [38]Lars H. Mathiesen <thorinn@diku.dk> adaptation of foundation code for Version 3 as specified in RFC-1305
 - 36. [39]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
 - 37. [40]David L. Mills <mills@udel.edu> Version 4 foundation, precision kernel; clock drivers: 1, 3, 4, 6, 7, 11, 13, 18, 19, 22, 36
 - 38. [41]Wolfgang Moeller <moeller@gwdgv1.dnet.gwdg.de> VMS port
 - 39. [42]Jeffrey Mogul <mogul@pa.dec.com> ntptrace utility
 - 40. [43]Tom Moore <tmoore@fieval.daytonoh.ncr.com> i386 svr4 port
 - 41. [44]Kamal A Mostafa <kamal@whence.com> SCO OpenServer port
 - 42. [45]Derek Mulcahy <derek@toybox.demon.co.uk> and [46]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
 - 43. [47]Rob Neal <neal@ntp.org> Bancomm refclock

and config/parse code

maintenance

- 44. [48]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de>
monitoring/trap scripts, statistics file handling
 - 45. [49]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
 - 46. [50]Wilfredo Snchez <wsanchez@apple.com> added support for NetInfo
 - 47. [51]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
 - 48. [52]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of
space on the stuff in the html/pic/ subdirectory
 - 49. [53]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
 - 50. [54]Michael Shields <shields@tembel.org> USNO clock driver
 - 51. [55]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
 - 52. [56]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure
makeover, various other bits (see the ChangeLog)
 - 53. [57]Kenneth Stone <ken@sdd.hp.com> HP-UX port
 - 54. [58]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
 - 55. [59]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK
clock driver
 - 56. [60]Brian Utterback <brian.utterback@oracle.com> General codebase,
Solaris issues
 - 57. [61]Loganaden Velvindron <loganaden@gmail.com> Sandboxing
(libseccomp) support
 - 58. [62]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic
TrueTime clock driver
 - 59. [63]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and
validated HTML documents according to the HTML DTD
-

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1.61 sqlite 3.32.3

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1.62 curl 7.71.1

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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!

One common dilemma is that [GPL](<https://www.gnu.org/licenses/gpl.html>) licensed code is not allowed to be linked with code licensed under the [Original BSD license](<https://spdx.org/licenses/BSD-4-Clause.html>) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](<https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs>). This particular problem was addressed when the [Modified BSD license](<https://opensource.org/licenses/BSD-3-Clause>) was created, which does not have the announcement clause that collides with GPL.

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

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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

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zlib

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

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Heimdal

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GNU GSS

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OpenLDAP

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

libssh2

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

1.63 gawk 5.1.0

1.63.1 Available under license :

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Version 2, June 1991

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

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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

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

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

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END OF TERMS AND CONDITIONS

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<signature of Ty Coon>, 1 April 1990
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The

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section 10

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The

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

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- */

1.66 icu 65.1

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```
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## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
## Copyright (c) 1999-2013, International Business Machines Corporation and
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## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

```

SHAREDLIBCPPFLAGS = -DPIC

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

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

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

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

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

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

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

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

## Versioned libraries rules

```

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

Bind internal references

LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

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

Remove shared library 's'
STATIC_PREFIX_WHEN_USED =
STATIC_PREFIX =

End BSD-specific setup
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```

```

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1.67 python-pycrypto 2.7a1

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Ackeret, Matt  
Adler, Mark  
Allbery, Russ  
Anderson, Jamie  
Andrew, Nick  
Andric, Dimitry  
Barron, Danny  
Bates, Tom  
Behan, Zdenk  
Bellis, Ray  
Benali, Elias  
Beverly, Jamie  
Boardman, Spider  
Bos, Sander  
Bostley, P.J.  
Bowes, Keith  
Boyce, Keith Garry  
Brantley, Michael  
Braun, Rob  
Bezina, Pavel  
Brooks, Piete  
Brown, Jerry  
Burr, Michael E  
Burton, Ross  
Bussjaeger, Andreas  
Calvin, Gary  
Campbell, Aaron  
Chazelas, Stephane  
Cheloha, Scott  
ek, Vtislav  
Coleman, Chris  
Corzine, Deven T.  
Cusack, Frank  
Dai, Wei  
Dill, David  
Earickson, Jeff  
Eckhardt, Drew  
Edgington, Ben  
Esipovich, Marc  
Espie, Marc  
Faigon, Ariel  
Farrell, Brian

Fobes, Steve  
Frysinger, Mike  
G., Daniel Richard  
Gailly, Jean-loup  
Gelman, Stephen  
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Graber, Stephane  
Guillory, B.  
Hayman, Randy M.  
Henke, Joachim  
Hideaki, Yoshifuji  
Hieb, Dave  
Holloway, Nick  
Hoover, Adam  
Hunter, Michael T.  
Hutchings, Ben  
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Kienenberger, Mike  
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King, Michael  
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Knoble, Jim  
Knox, Tim  
Komarnitsky, Alek O.  
Kondrashov, Nikolai  
Kopeek, Daniel  
Kranenburg, Paul  
Krause, David  
Lakin, Eric  
Larsen, Case  
Levin, Dmitry V.  
Libby, Kendall  
Lobbes, Phillip E.  
McIntyre, Jason  
MacKenzie, David J.  
McLaughlin, Tom  
Makey, Jeff



Mallayya, Sangamesh  
Manner, Rbert  
Marchionna, Michael D.  
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Wood, David  
Zacarias, Gustavo  
Zolnowsky, John

The following people have worked to translate sudo into other languages as part of the Translation Project, see <https://translationproject.org> for more details.

Albuquerque, Pedro  
Blattermann, Mario  
Bogusz, Jakub

Buo-ren, Lin  
Casagrande, Milo  
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Cho, Seong-ho  
Chornoivan, Yuri  
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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

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\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

\*

\* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997

\*

\* Linux driver for the IDT77201 NICStAR PCI ATM controller.

\* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;

\* see init\_nicstar() for PHY initialization to change this. This driver

\* expects the Linux ATM stack to support scatter-gather

lists

\* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.

\*

\* Implementing minimal-copy of received data:

\* IDT always receives data into a small buffer, then large buffers

\* as needed. This means that data must always be copied to create

\* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)

\* Fix is simple: make large buffers large enough to hold entire

\* SDU, and leave <small\_buffer\_data> bytes empty at the start. Then

\* copy small buffer contents to head of large buffer.

\* Trick is to avoid fragmenting Linux, due to need for a lot of large

\* buffers. This is done by 2 things:

\* 1) skb->destructor / skb->atm.recycle\_buffer

\* combined, allow nicstar\_free\_rx\_skb to be called to

\* recycle large data buffers

\* 2) skb\_clone of received buffers

\* See nicstar\_free\_rx\_skb and linearize\_buffer for implementation

\* details.

\*

\*

\*

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\*

\* M. Welsh, 6 July 1996

\*

\*

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## 1.91 pyasn1-modules 0.2.8

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Portions of code from MODP\_ASCII - Ascii transformations (upper/lower, etc)

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# 1.102 pycurl 7.43.0.2

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## 1.103 python-pytz 2020.1

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```
>>> freebsd-base64-4.8
>>>
unicode-5.0
```

=====

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```
>>> freebsd-base64-4.8
```

```
base64.c -- routines to encode/decode base64 data
$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
This work is part of OpenLDAP Software <http://www.openldap.org/>.
```

```
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## 1.116 python-enum 1.1.10

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## 1.117 daslr 20150612

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```
/*
*-----
* dASLR Diagnostic Program
*
* File for the diagnostic program used in run-time ASLR verification
*
* The output of this program is expected to be like the following, though the
* individual lines can be in any order.
*
* stac:0xSTACKADDR
* heap:0xHEAPADDR
* Bss:0xBSSADDR
* Data:0xDATAADDR
* text:0xTEXTADDR
* amap:0xANON_MAPADDR
* pths:0xPTHREADSTACKADDR
*
* April 2011
*
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*-----
*/
```

Found in path(s):

\* /daslr-20150612-tar-xz/daslr-20150612/libdaslr/src/diagnostic.c

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```

/*
*-----
* Result API Function Definitions
*
* April 2011
*
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*-----
*/

```

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\* /daslr-20150612-tar-xz/daslr-20150612/libdaslr/src/results.c

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```

/*
*-----
* libdASLR Function Definitions
*
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*
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*-----
*/

```

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\* /daslr-20150612-tar-xz/daslr-20150612/libdaslr/src/libdaslr.c

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```

/*
*-----
* libdASLR Header File
*
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*-----
*/

```

Found in path(s):

\* /daslr-20150612-tar-xz/daslr-20150612/libdaslr/include/daslr.h

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```

/*
*-----
* dASLR Application Printing Routines Header File

```

```

*
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*
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*-----
*/

```

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 \* /daslr-20150612-tar-xz/daslr-20150612/daslr\_app/include/daslr\_app\_print.h  
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```

/*
*-----
* dASLR Application Constants Header File
*
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*-----
*/

```

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```

/*
*-----
* dASLR Application Source
*
* April 2011
*
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*-----
*/

```

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```

/*
*-----
* dASLR Application Printing Routines File
*
* April 2011
*

```



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\*-----

\*/

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/\*

\*-----

\* dASLR Application Header File

\*

\* April 2011

\*

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\*-----

\*/

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\* /daslr-20150612-tar-xz/daslr-20150612/daslr\_app/include/daslr\_app.h

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/\*

\*-----

\* dASLR Application Error-Handling Header File

\*

\* April 2011

\*

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\*-----

\*/

Found in path(s):

\* /daslr-20150612-tar-xz/daslr-20150612/daslr\_app/include/daslr\_app\_errors.h

## 1.118 python-pyopenssl 19.1.0

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## 1.119 python-webpy 0.36

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Metadata-Version: 1.0

Name: web.py

Version: 0.36

Summary: web.py: makes web apps

Home-page: <http://webpy.org/>

Author: Anand Chitipothu

Author-email: [anandology@gmail.com](mailto:anandology@gmail.com)

License: Public domain

Description: Think about the ideal way to write a web app. Write the code to make it happen.

Platform: any

Found in path(s):

\* /web-py-0-36-1-tar-gz/web.py-0.36/PKG-INFO

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Found in path(s):

\* /web-py-0-36-1-tar-gz/web.py-0.36/web/\_\_init\_\_.py

## 1.120 python-packaging 20.4

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# 1.121 python-setuptools 46.1.3

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

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

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

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

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

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

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- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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



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

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- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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

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

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

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

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school, if any, to sign a "copyright disclaimer" for the library, if  
necessary. Here is a sample; alter the names:

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

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

## 1.123 gch 0.1

### 1.123.1 Available under license :

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

```
/*!  
* \file ch_client_resp_parse.c  
* \brief Client response parse implementation  
*  
* Client response parse implementation  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.
```

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_client\_resp\_parse.c

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

/\*!

\* \file ch\_lib\_filter\_action\_output.c

\* \brief Provide library API to filter action output

\*

\* Mainly to provide API to filter IOS-like running config

\*

\* November 2014, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_filter\_action\_output.c

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

/\*!

\* \file call\_home\_ds\_script.h

\* \brief Provide DS script related definitions

\*

\* Provide DS script related definitions

\*

\* May 2011,

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_script.h

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

/\*!

\* \file ch\_ondemand.h

\* \brief Provide call-home ondemand API prototypes

\*

\* Provide call-home ondemand API prototypes

\*

\* August 2014, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_ondemand.h

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

/\*!

\* \file ch\_debug\_common.h

\* \brief define call-home common debug flags

\*

\* define call-home common debug flags

\*

\* November 2014, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_debug\_common.h

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

/\*!

\* \file call\_home\_ds\_util.c

\* \brief Provide DS utility functions

\*

\* Provide DS utility functions

\*

\* May 2011, Long Yang

\*

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\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_util.c

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

/\*!

\* \file call\_home\_ds\_em.h

\* \brief Prototypes for wrapper APIs related with EM

\*

\* Prototypes for wrapper APIs related with EM

\*

\* March 2011, Long Yang

\*

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\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_em.h

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

/\*!

\* \file ch\_test\_main.h

\* \brief Call-home test main header file

\*

\* Call-home test main header file

\*

\* July 2014, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/test/ch\_internal\_test\_main.h

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

/\*!

\* \file ch\_pf\_curl.h

\* \brief callhome platform http interface

\*

\* depending on libcurl, send out http msg

\*

\* June 2014

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_curl.h

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

/\*!

\* \file call\_home\_ds\_db\_requisite.h

\* \brief Provide DS pre-requisite and post-requisite related definition

\*

\* Provide DS pre-requisite and post-requisite related definition

\*

\* March 2014, Diankun Zhang

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_db\_requisite.h

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

/\*!

\* \file ch\_ha.c

\* \brief GCH HA infra PI part

\*

\* GCH HA infra PI part

\*

\* April 2015, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ha/src/ch\_ha.c

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

/\*!

\* \file ch\_ipc\_main.c

\* \brief GCH ipc subsystem main

\*

\* GCH ipc subsystem main

\*

\* October 2015, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/src/ch\_ipc\_main.c

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

/\*!

\* \file ch\_lib\_main\_lib\_ver.c

\* \brief GCH library main for GCH library version

\*

\* GCH library main for GCH library version

\*

\* October 2015, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_main\_lib\_ver.c

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

/\*!

\* \file call\_home\_ds\_db\_pri.h

\* \brief DS database related definitions

\*

\* database related definitions

\*

\* March 2011, Long Yang

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_db\_pri.h

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

/\*!

\* \file call\_home\_ds\_xml\_parser.h

\* \brief Call Home DS xml parser defination

\*

\* Call Home DS xml parser defination

\*

\* April 2011, Chenqi Wang

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_xml\_parser.h

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

/\*!

\* \file ch\_error\_string.h

\* \brief call-home error string

\*

\* call-home error string

\*

\* July 2014

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_error\_string.c

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

/\*!

\* \file ch\_backend\_status\_common.h

\* \brief call-home definition for device backend status

\*

\* call-home definition for device backend status

\*

\* November 2014, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_backend\_status\_common.h

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

/\*!

\* \file ch\_pf\_signature\_verify.c

\* \brief Provide APIs to do signature verification.

\*

\* Provide APIs to do signature verification, like DS signature verification.

\*

\* January 2015, Qiang Zhou

\*

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Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_signature\_verify.c

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

/\*!

\* \file ch\_mail\_server.h

\* \brief define call-home mail server structure

\*

\* define call-home mail server structure

\*

\* August 2014, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_mail\_server.h

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

/\*!

\* \file call\_home\_ds\_file.c

\* \brief Provide file I/O APIs

\*

\* Provide file I/O APIs

\*

\* May 2011,

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_file.c

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

/\*!

\* \file ch\_event.h

\* \brief define call-home event related structures

\*

\* define structures for interaction between call-home core and event manager

\*

\* June 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_event.h

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

/\*!

\* \file ch\_em\_core.h

\* \brief Event manager core include file

\*

\* Event manager core include file

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch\_em\_core.h

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

/\*!

\* \file ch\_ds\_api\_public.h

\* \brief DS public API interface

\*

\* DS public API interface

\* These APIs are provide for call outside of DS

\*

\* December 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/ch\_ds\_api\_public.h

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

/\*!

\* \file ch\_client\_mgr.h

\* \brief Client MGR header file

\*

\* Client MGR header file

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_client\_mgr.h

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

/\*!

\* \file ch\_pf\_trustpool.h

\* \brief api of trustpool

\*

\* functions of trustpool

\* 1. auto download cisco trustpool bundle;

\* 2. customer can specify private bundle;

\*

\* Sep 2015  
\*  
\* Copyright (c) 2014 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_trustpool.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_pf\_nvconfig.c  
\* \brief Sample code for call-home nvconfig implementation on PD  
\*  
\* Sample code for call-home nvconfig implementation on PD  
\*  
\* December 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_nvconfig.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_update\_req.c  
\* \brief Build DS download request  
\*  
\* Build DS download request  
\*  
\* May 2011, Long Yang  
\*  
\* Copyright (c) 2011-2012, 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_update\_req.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_em\_timer.h  
\* \brief Event manager timer  
\*  
\* Event manager timer  
\*



\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch\_em\_timer.h

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

/\*!

\* \file ch\_ipc\_server\_util.h

\* \brief Util APIs for GCH IPC server instance

\*

\* Util APIs for GCH IPC server instance

\*

\* October 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/include/ch\_ipc\_server\_util.h

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

/\*!

\* \file ch\_lib\_ipc\_client\_util.c

\* \brief Util APIs for GCH IPC client instance

\*

\* Util APIs for GCH IPC client instance

\*

\* October 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_ipc\_client\_util.c

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

/\*!

\* \file ch\_em\_ipc\_server.h

\* \brief Event manager ipc server include file

\*

\* Event manager ipc server include file

\*

\* July 2014  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch\_em\_ipc\_server.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_ipc\_common\_util.c  
\* \brief IPC util APIs shared between client & server  
\*  
\* IPC util APIs shared between client & server. Note, as debug API isn't the  
\* same for client & server, no debug trace is added in this file.  
\*  
\* October 2015, Qiang Zhou  
\*  
\* Copyright (c) 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/src/ch\_ipc\_common\_util.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_global.h  
\* \brief DS global definitions  
\*  
\* DS global definitions  
\*  
\* November 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_global.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_lib\_config\_api.h  
\* \brief define APIs to get/set call-home  
\*  
\* Define get/set API to config call-home and retrieve call-home

\* configuration/runtime data.  
\*  
\* July 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_lib\_config\_api.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_pf\_curl.c  
\* \brief callhome platform http interface  
\*  
\* depending on libcurl, send out http msg  
\*  
\* June 2014  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_curl.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_em\_mgr.c  
\* \brief call-home event-manage MGR layer  
\*  
\* Call-home event-manage MGR layer, provide lock mainly for event database data  
\* access  
\*  
\* July 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/src/ch\_em\_mgr.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_sl\_ipc\_server.h  
\* \brief smart license ipc server related include file

```

*
* smart license ipc server related include file
*
* July 2014
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch_sl_ipc_server.h

```

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

```

/*!
* \file ch_lib_client_sl.c
* \brief Provide lib APIs for SL client
*
* Provide lib APIs for SL client
*
* October 2015, Qiang Zhou
*
* Copyright (c) 2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch_lib_client_sl.c

```

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

```

/*!
* \file ch_lib_main_process_ver.c
* \brief GCH library main for GCH process version
*
* GCH library main for GCH process version
*
* October 2015, Qiang Zhou
*
* Copyright (c) 2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch_lib_main_process_ver.c

```

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

```

/*!
* \file ch_pf_event.h
* \brief event API for platform implementation

```

```

*
* event related API prototypes, platform should implement them
*
* July 2014, Qiang Zhou
*
* Copyright (c) 2014 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch_pf_event.h
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_shim.h
* \brief Shim layer header file
*
* Shim layer header file to cover platform difference
*
* January 2015, Qiang Zhou
*
* Copyright (c) 2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/os-specific/include/ch_shim.h
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file call_home_ds_db_evt_pri.h
* \brief define DS event related structure
*
* define DS event related structure
*
* March 2011, Long Yang
*
* Copyright (c) 2011-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call_home_ds_db_evt_pri.h
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_shim.c
* \brief add shim layer, cover the difference of platforms/OS

```

\*  
\* add shim layer, cover the difference of platforms/OS  
\*  
\*  
\* Copyright (c) 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/os-specific/linux/ch\_shim\_gvd.c  
\* /gch-v0-1-tar-gz/gch-v0.1/call-home/os-specific/linux/ch\_shim.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_em\_timer.c  
\* \brief Infrastructure for event manager timer  
\*  
\* Infrastructure for event manager timers  
\*  
\* August 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/src/ch\_em\_timer.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_lib\_client\_api.h  
\* \brief define APIs for call-home clients  
\*  
\* define APIs for call-home clients, like sending client msg API  
\*  
\* July 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_lib\_client\_api.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_profile\_common.h  
\* \brief profile commonly used definitions

```

*
* profile commonly used definitions
*
* July 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch_profile_common.h
```

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

```

/*!
* \file ch_pf_transport.h
* \brief platform transport APIs
*
* Define platform transport APIs, like http/email msg send
*
* or get one specific module info.
*
* June 2014, Qiang Zhou
*
* Copyright (c) 2014 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch_pf_transport.h
```

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

```

/*!
* \file ch_pf_config.c
* \brief Define platform configuration for GCH
*
* Define platform configuration for GCH
*
* November 2015, Qiang Zhou
*
* Copyright (c) 2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src_stub/ch_pf_config.c
```

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

```
/*!
```

```
* \file ch_cron_entry.h
* \brief APIs to handle cron string
*
* APIs to handle cron string
*
* August 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch_cron_entry.h
No license file was found, but licenses were detected in source scan.
```

```
/*!
* \file ch_build_msg.h
* \brief Build msg related definitions
*
* Build msg related definitions
*
* August 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch_build_msg.h
No license file was found, but licenses were detected in source scan.
```

```
/*!
* \file call_home_ds_db_act_pri.h
* \brief Provide DS action related definitions
*
* Provide DS action related definitions
*
* March 2011, Long Yang
*
* Copyright (c) 2011-2015 by cisco Systems, Inc.
* All rights reserved.
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call_home_ds_db_act_pri.h
No license file was found, but licenses were detected in source scan.
```

```
/*!
```



```

* \file call_home_ds_nvconfig.h
* \brief Generate DS nvconfig string and parse DS nvconfig
*
* Generate DS nvconfig string and parse DS nvconfig
*
* December 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call_home_ds_nvconfig.h
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_pf_event_expand.c
* \brief Provide support for PD event expand part
*
* Provide support for PD event expand part
*
* July 2014, Qiang Zhou
*
* Copyright (c) 2014 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src_stub/ch_pf_event_expand.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file call_home_ds_dnld.c
* \brief APIs to download DS from SCH
*
* Implementation for APIs to download DS from SCH
*
* March 2011, Long Yang
*
* Copyright (c) 2011-2013, 2015 by cisco Systems, Inc.
* All rights reserved.
*-----
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call_home_ds_dnld.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
 * \file call_home_ds_actions.c
 * \brief Provide DS action related APIs
 *
 * Provide DS action related APIs
 *
 * March 2011,
 *
 * Copyright (c) 2011-2015 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call_home_ds_actions.c
```

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

```

/*!
 * \file ch_lib_util.c
 * \brief call-home lib utility
 *
 * call-home lib debug/utility
 *
 * Oct 2014
 *
 * Copyright (c) 2014 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch_lib_util.c
```

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

```

/*!
 * \file ch_em_database.h
 * \brief Call-home event manager database related
 *
 * Call-home event manager database related
 *
 * July 2014, Qiang Zhou
 *
 * Copyright (c) 2014-2015 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch_em_database.h
```

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

```

/*!
 * \file ch_linux_util.h
 * linux callhome util
 *
 * linux callhome util
 *
 * Feb 2015, Fucheng Xu
 *
 * Copyright (c) 2015 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/os-specific/linux/ch_linux_util.h
```

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

```

/*!
 * \file call_home_ds_requisite.h
 * \brief Provide DS pre-requisite and post-requisite related APIs' prototype
 *
 * Provide DS pre-requisite and post-requisite related APIs' prototype
 *
 * March 2014, Diankun Zhang
 *
 * Copyright (c) 2014-2015 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call_home_ds_requisite.h
```

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

```

/*!
 * \file ch_database.h
 * \brief define call-home database
 *
 * define call-home database
 *
 * July 2014, Qiang Zhou
 *
 * Copyright (c) 2014-2015 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch_database.h
```

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

```

/*!
 * \file ch_pf_sys_info.h
 * \brief platform system info related APIs
 *
 * Define platform system info related API prototypes. Like get the system info
 * or get one specific module info.
 *
 * June 2014, Qiang Zhou
 *
 * Copyright (c) 2014 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch_pf_sys_info.h
```

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

```

/*!
 * \file ch_mgr.c
 * \brief call-home MGR layer
 *
 * Call-home MGR layer, provide lock mainly for database/profile/event data
 * access
 *
 * July 2014, Qiang Zhou
 *
 * Copyright (c) 2014-2015 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_mgr.c
```

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

```

/*!
 * \file ch_em_core.c
 * \brief Call-home event manager core file
 *
 * Call-home event manager core file
 *
 * July 2014, Qiang Zhou
 *
 * Copyright (c) 2014-2015 by cisco Systems, Inc.
 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/src/ch_em_core.c
```

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

```
/*!  
* \file ch_client_mgr.c  
* \brief Client MGR file  
*  
* Client MGR file  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_client\_mgr.c

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

```
/*!  
* \file cll_home_formatter_xml.c  
* \brief Lib API to format a XML string  
*  
* Define LIB code to format a XML string. Most of the code is ported from IOS.  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_formatter\_xml.c

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

```
/*!  
* \file ch_ds.h  
* \brief common DS definitions  
*  
* common DS definitions  
*  
* January 2015, Qiang Zhou  
*  
* Copyright (c) 2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_ds.h

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

```
/*!  
* \file ch_linux_util.c  
* linux call-home util  
*  
* linux call-home util  
*  
* Feb 2015, Fucheng Xu  
*  
* Copyright (c) 2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/os-specific/linux/ch\_linux\_util.c

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

```
/*!  
* \file ch_lib_event_api.c  
* \brief GCH event related library API definitions  
*  
* GCH event related library API definitions  
*  
* October 2015, Qiang Zhou  
*  
* Copyright (c) 2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_event\_api.c

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

```
/*!  
* \file ch_statistics_util.h  
* \brief define call-home statistics utilities  
*  
* define call-home statistics utilities  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_statistics\_util.h

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

```
/*!  
* \file call_home_ds_nvconfig.c  
* \brief Generate DS nvconfig string and parse DS nvconfig  
*  
* Generate DS nvconfig string and parse DS nvconfig  
*  
* December 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call_home_ds_nvconfig.c
```

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

```
/*!  
* \file ch_em_db_event_throttle.c  
* \brief Call-home event manager, event throttle part  
*  
* Event throttle part in EM  
*  
* December 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/src/ch_em_db_event_throttle.c
```

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

```
/*!  
* \file ch_em_event_throttle.h  
* \brief EM event throttle part functionality API  
*  
* EM event throttle part functionality API  
*  
* December 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch_em_event_throttle.h
```

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

```
/*!  
* \file ch_em_ed.c  
* \brief Call-home event manager Event Detectors  
*  
* Call-home event manager Event Detectors, these EDs are created on  
* init phase, according to the PD supported events  
*  
* November 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/src/ch_em_ed.c  
No license file was found, but licenses were detected in source scan.
```

```
/*!  
* \file ch_em_mgr.h  
* \brief define call-home event-manage MGR APIs  
*  
* define call-home event-manage MGR APIs  
*  
* July 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch_em_mgr.h  
No license file was found, but licenses were detected in source scan.
```

```
/*!  
* \file ch_nvconfig.h  
*  
* \brief APIs for call-home nvconfig load/save  
*  
* APIs for call-home nvconfig load/save  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```



Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_nvconfig.h

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

/\*!

\* \file ch\_cron\_entry.c

\* \brief APIs to handle cron string

\*

\* APIs to handle cron string, port from EEM. Made some modification on coding  
\* convention part.

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

/\* Copyright 1988,1990,1993,1994,2001 by Paul Vixie

\* All rights reserved

\*

\* Distribute freely, except: don't remove my name from the source or  
\* documentation (don't take credit for my work), mark your changes (don't  
\* get me blamed for your possible bugs), don't alter or remove this  
\* notice. May be sold if buildable source is provided to buyer. No  
\* warrantee of any kind, express or implied, is included with this  
\* software; use at your own risk, responsibility for damages (if any) to  
\* anyone resulting from the use of this software rests entirely with the  
\* 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

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/src/ch\_cron\_entry.c

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

/\*-----

\* fh\_xml\_parser.c - Implementation of the xml parser object for the  
\* xml parser.

\*

\* September 2006

\*

\* Copyright (c) 2006-2011, 2015 by cisco Systems, Inc.

\* All rights reserved.

/\*-----

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/fh\_xml\_parser.c

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

/\*!

\* \file call\_home\_ds\_dnld\_pri.h

\* \brief Definitions for DS download

\*

\* Definitions for DS download

\*

\* May 2011, Long Yang

\*

\* Copyright (c) 2011-2012, 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_dnld\_pri.h

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

/\*!

\* \file call\_home\_ds\_signature\_verify.h

\* \brief Header file for digital signature API

\*

\* Header file for digital signature API

\*

\* May 2011, Chenqi Wang

\*

\* Copyright (c) 2011-2012, 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_signature\_verify.h

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

/\*!

\* \file call\_home\_ds\_util.h

\* \brief DS utility functions

\*

\* DS utility functions

\*

\* Jun 2011, Long Yang

\*

\* Copyright (c) 2011-2012, 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_util.h

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

```
/*-----  
*  cns_container.c - Implementation of the container object for the  
*                    xml parser  
*  
*  Septermber 2006  
*  
*  Copyright (c) 2006-2009, 2015 by cisco Systems, Inc.  
*  All rights reserved.  
*-----  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/fh\_xml\_container.c

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

```
/*!  
*  \file ch_ipc_dummy.c  
*  \brief GCH ipc dummy  
*  
*  GCH ipc dummy definitions for GCH library version  
*  
*  October 2015, Qiang Zhou  
*  
*  Copyright (c) 2015 by cisco Systems, Inc.  
*  All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/src/ch\_ipc\_dummy.c

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

```
/*!  
*  \file ch_backend_status.c  
*  \brief Get device backend status  
*  
*  Get device backend status  
*  
*  November 2014, Qiang Zhou  
*  
*  Copyright (c) 2014-2015 by cisco Systems, Inc.  
*  All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_backend\_status.c

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

/\*!

\* \file ch\_lib\_cli.c

\* \brief GCH ipc cli client instance

\*

\* GCH ipc cli client instance

\*

\* October 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_cli.c

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

/\*!

\* \file ch\_ondemand\_common.h

\* \brief define call-home ondemand common related

\*

\* define call-home ondemand common related

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_ondemand\_common.h

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

/\*!

\* \file ch\_pf\_smtp.c

\* \brief callhome platform smtp related handling

\*

\* depending on libcurl, implement smtp related function

\*

\* June 2014

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_smtp.c

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

/\*!

\* \file ch\_build\_text\_msg.c

\* \brief Provide implementation to build short/long text msg

\*

\* Provide implementation to build short/long text msg

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_build\_text\_msg.c

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

/\*!

\* \file ch\_client\_api.c

\* \brief Client API implementation

\*

\* Client API implementation

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_client\_api.c

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

/\*!

\* \file ch\_pf\_global.h

\* \brief define call-home PD global macro

\*

\* This header file defines call-home platform-dependent global macro

\*

\* June 2014, Qiang Zhou

\*

\* Copyright (c) 2014 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_global.h

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

/\*!

\* \file ch\_pf\_action\_stub.c

\* \brief Provide API to run GCH event actions

\*

\* Provide API to run GCH event actions

\*

\* November 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_action\_stub.c

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

/\*!

\* \file call\_home\_ds\_events.h

\* \brief Provide DS event related definitons

\*

\* Provide DS event related definitons

\*

\* March 2011, Long Yang

\*

\* Copyright (c) 2011-2012, 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_events.h

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

/\*!

\* \file ch\_lib\_event.c

\* \brief GCH event client instance

\*

\* GCH event client instance

\*

\* October 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_event.c

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

/\*!

\* \file ch\_pf\_profile.h

\* \brief define call-home profile on platform side

\*

\* Define call-home profile for platform side, like TAC profile configuration  
\* interface.

\*

\* June 2014, Qiang Zhou

\*

\* Copyright (c) 2014 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_profile.h

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

/\*!

\* \file ch\_lib\_ipc\_client.h

\* \brief GCH ipc client instance APIs

\*

\* GCH ipc client instance APIs

\*

\* October 2015

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/include/ch\_lib\_ipc\_client.h

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

/\*!

\* \file ch\_pf\_event\_throttle.h

\* \brief Call-home platform event throttle functionality

\*

\* Call-home platform event throttle functionality

\*

\* December 2014, Qiang Zhou

\*

\* Copyright (c) 2014 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_event\_throttle.h

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

/\*!

\* \file ch\_client\_resp\_parse.h

\* \brief Provide APIs to parse response from SCH for client

\*

\* Provide APIs to parse response from SCH for client

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_client\_resp\_parse.h

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

/\*!

\* \file ch\_pf\_sys\_info\_stub.c

\* \brief Provide APIs to get platform system info

\*

\* Provide APIs to get platform system info

\*

\* November 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_sys\_info\_stub.c

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

/\*!

\* \file call\_home\_ds\_main.h

\* \brief DS main header file

\* DS main header file

\*

\* Nov. 2011,

\*

\* Copyright (c) 2011-2012, 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/



Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_main.h

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

/\*!

\* \file ch\_pf\_event\_expand.h

\* \brief Provide support for PD event expand part

\*

\* Provide support for PD event expand part

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_event\_expand.h

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

/\*!

\* \file ch\_lib\_sl.h

\* \brief GCH library API to init GCH SL client

\*

\* GCH library API to init GCH SL client

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_lib\_sl.h

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

/\*!

\* \file call\_home\_ds\_script.c

\* \brief Provide DS script related APIs

\*

\* Provide DS script related APIs

\*

\* May 2011,

\*

\* Copyright (c) 2011-2013, 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_script.c

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

/\*!

\* \file ch\_debug.h

\* \brief define call-home debug utilities

\*

\* define call-home debug utilities

\*

\* June 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_debug.h

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

/\*!

\* \file ch\_pf\_profile.c

\* \brief Define call-home platform profile param

\*

\* Define call-home platform profile param

\*

\* November 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_profile.c

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

/\*!

\* \file ch\_notify.h

\* \brief Call-home notify related definitions

\*

\* Call-home notify related definitions

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_notify.h

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

/\*!

\* \file ch\_em\_generic.h

\* \brief Event manager generic definitions

\*

\* Event manager generic definitions

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch\_em\_generic.h

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

/\*!

\* \file ch\_pf\_event\_group.c

\* \brief Define platform supported event groups

\*

\* Define platform supported event groups

\*

\* November 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_event\_group.c

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

/\*-----

\* cns\_dom.c - Implementation of the dom object for the xml parser

\*

\* September 2006

\*

\* Copyright (c) 2006-2009, 2011, 2015 by cisco Systems, Inc.

\* All rights reserved.

/\*-----

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/fh\_xml\_dom.c

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

```
/*!  
* \file ch_statistics.h  
* \brief define call-home statistics related  
*  
* define call-home statistics DB operation related  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

/gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_statistics.h  
No license file was found, but licenses were detected in source scan.

```
/*!  
* \file ch_ds_api_public.c  
* \brief DS public API interface  
*  
* DS public API interface.  
* These APIs are provide for call outside of DS.  
*  
* December 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

/gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/ch\_ds\_api\_public.c  
No license file was found, but licenses were detected in source scan.

```
/*!  
* \file ch_pf_trustpool.c  
* \brief api of trustpool  
*  
* functions of trustpool  
* 1. auto download cisco trustpool bundle;  
* 2. customer can specify private bundle;  
*  
* Sep 2015  
*  
* Copyright (c) 2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_trustpool.c

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

/\*!

\* \file ch\_pf\_smtp.h

\* \brief callhome platform smtp related handling

\*

\* callhome platform smtp related handling

\*

\* June 2014

\*

\* Copyright (c) 2014 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_smtp.h

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

/\*!

\* \file call\_home\_ds\_update\_req.h

\* \brief Provide functionality for DS download request build

\*

\* Provide functionality for DS download request build

\*

\* Copyright (c) 2005, 2007-2008, 2010-2011, 2015 by cisco Systems, Inc.

\* All rights reserved.

\*

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_update\_req.h

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

/\*!

\* \file ch\_pf\_nvconfig.h

\* \brief define APIs to load/save call-home config

\*

\* Define APIs to load call-home configuration from disk to memory, and save it  
\* from memory to disk.

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_nvconfig.h

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

/\*!

\* \file ch\_em.h

\* \brief Event manager commonly used definition

\*

\* Event manager commonly used definition

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch\_em.h

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

/\*!

\* \file ch\_lib\_util.h

\* \brief call-home lib utility

\*

\* call-home lib debug/utility

\*

\* Oct 2014

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_lib\_util.h

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

/\*!

\* \file ch\_lib\_util.h

\* \brief call-home lib internal utility APIs

\*

\* call-home lib private utility APIs, only for call-home internal use

\*

\* June 2015

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/include/ch\_lib\_util.h

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

/\*!

\* \file ch\_pf\_main.c

\* \brief Define pf main, like API to init pf side

\*

\* Define platform supported event groups

\*

\* November 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_main.c

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

/\*!

\* \file ch\_ipc\_event\_server.c

\* \brief GCH event ipc server instance

\*

\* GCH event ipc server instance

\*

\* October 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/src/ch\_ipc\_event\_server.c

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

/\*-----

\* fh\_xml\_parser.h - Header file for the EEM xml parser

\*

\* September 2006

\*

\* Copyright (c) 2006-2009, 2011, 2015 by cisco Systems, Inc.

\* All rights reserved.

\*-----

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/fh\_xml\_parser.h

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

/\*!

\* \file ch\_lib\_sl.c

\* \brief GCH ipc sl client instance

\*

\* GCH ipc sl client instance

\*

\* October 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_sl.c

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

/\*!

\* \file ch\_ipc\_server.h

\* \brief GCH ipc server APIs

\*

\* GCH ipc server APIs

\*

\* October 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/include/ch\_ipc\_server.h

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

/\*!

\* \file ch\_em\_event\_expand.c

\* \brief Provide support for event expand part

\*

\* Provide support for event expand part

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):



\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/src/ch\_em\_event\_expand.c

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

/\*!

\* \file ch\_mgr.h

\* \brief define call-home MGR APIs

\*

\* define call-home MGR APIs

\*

\* June 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_mgr.h

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

/\*!

\* \file ch\_event\_common.h

\* \brief define platform event related structures

\*

\* define structures for platform event group, platform event publish,  
\* event spec, and event actions.

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_event\_common.h

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

/\*!

\* \file ch\_cli\_ipc\_server.h

\* \brief call-home cli ipc server service IPC layer

\*

\* Call-home CLI IPC layer, provide IPC server side service

\*

\* July 2014

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_cli\_ipc\_server.h

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

/\*!

\* \file call\_home\_ds\_event\_spec.h

\* \brief DS event spec translation header file

\*

\* This header file includes necessary data structure and function prototypes

\* for call home DS event spec translation subsystem

\*

\* March 2011

\*

\* Copyright (c) 2011-2012, 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_event\_spec.h

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

/\*!

\* \file call\_home\_ds\_database.c

\* \brief DS database APIs

\*

\* DS database APIs.

\*

\* May 2011,

\*

\* Copyright (c) 2011-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_database.c

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

/\*!

\* \file ch\_client\_database.c

\* \brief Client database source

\*

\* Client database source

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_client\_database.c

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

/\*!

\* \file ch\_statistics\_util.c

\* \brief Provide statistics related utility APIs

\*

\* Provide statistics related utility APIs

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_statistics\_util.c

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

/\*!

\* \file ch\_lib\_sl\_dummy.c

\* \brief Dummy API for SL, to keep unified code between proc & lib version

\*

\* Dummy API for SL

\*

\* July 2016, Qiang Zhou

\*

\* Copyright (c) 2016 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_sl\_dummy.c

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

/\*!

\* \file ch\_pf\_event\_throttle.c

\* \brief Sample code for call-home platform event throttle functionality

\*

\* Sample code for call-home platform event throttle functionality

\* Porting NOTE:

\* The sample code only compares event type/subtype/description to decide

\* whether two events are the same. But there could be such case that two events

\* with similar description, but actually they are the same. For this case,

\* event throttle could not work efficiently. And you need fill you own code to

\* handle this situation.

```

*
* December 2014, Qiang Zhou
*
* Copyright (c) 2014 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src_stub/ch_pf_event_throttle.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_util.c
* \brief Provide utility APIs
*
* Provide utility APIs
*
* July 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_util.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_build_xml_msg.c
* \brief contain lib code to build a XML msg
*
* Define lib code to build a XML msg. Most of the code is ported from IOS base
*
* August 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_build_xml_msg.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_main.c
* \brief Call-home main file
*
* Call-home main file

```

```

*
* July 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_main.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_lib_cli.h
* \brief GCH library API to init CLI client
*
* GCH library API to init CLI client
*
* July 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch_lib_cli.h
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file call_home_ds_requisite.c
* \brief Provide DS pre-requisite and post-requisite related APIs
* Provide DS pre-requisite and post-requisite related APIs
*
* March 2014,
*
* Copyright (c) 2011-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call_home_ds_requisite.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_db_statistics.c
* \brief Maintain global & profile's statistics
*
* Maintain global & profile's statistics
*

```

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_db\_statistics.c

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

/\*!

\* \file ch\_lib\_config\_api.c

\* \brief define APIs to get/set call-home

\*

\* Define get/set API to config call-home and retrieve call-home

\* configuration/runtime data.

\*

\* October 2015

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/src/ch\_lib\_config\_api.c

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

/\*!

\* \file ch\_nxos\_ha.c

\* \brief NXOS HA part

\*

\* NXOS HA part

\*

\* May 2015, Qiang Zhou

\*

\* Copyright (c) 2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/test/ch\_nxos\_ha.c

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

/\*!

\* \file ch\_ipc\_cli\_server.c

\* \brief GCH cli ipc server instance

\*

\* GCH cli ipc server instance

\*  
\* October 2015, Qiang Zhou  
\*  
\* Copyright (c) 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/src/ch\_ipc\_cli\_server.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_actions.h  
\* \brief Provide DS action related APIs' prototype  
\*  
\* Provide DS action related APIs' prototype  
\*  
\* March 2011, Long Yang  
\*  
\* Copyright (c) 2011-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_actions.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_notify.c  
\* \brief Call-home notify part, for event/ondemand  
\*  
\* Call-home notify part, for event/ondemand  
\*  
\* July 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_notify.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_mgr.h  
\* \brief MGR interfaces for database access APIs  
\*  
\* MGR interfaces for database access APIs

\*  
\* March 2011, Long Yang  
\*  
\* Copyright (c) 2011-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call\_home\_ds\_mgr.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_db\_event.c  
\* \brief Maintain active profile events and event groups  
\*  
\* Maintain all active profile events, and all platform supported event groups  
\*  
\* July 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch\_db\_event.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_util.h  
\* \brief define call-home common utilities  
\*  
\* define call-home common utilities  
\*  
\* June 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_util.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_debug.c  
\* \brief Call-home debug facility  
\*  
\* Call-home debug facility



```

*
* July 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_debug.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_ondemand.c
* \brief Call-home ondemand run suite
*
* Provide call-home ondemand functionality like ondemand msg send, ondemand
* test on call-home profile.
*
* August 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_ondemand.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file call_home_ds_debug.h
* \brief Wrapper layer for DS_DBG
*
* Wrapper layer for DS_DBG
*
* January 2015, Qiang Zhou
*
* Copyright (c) 2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call_home_ds_debug.h
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_pf_config.h
* \brief define call-home PD configurations
*

```

\* This header file defines call-home platform-dependent configurations  
\*  
\* June 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_config.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_pf\_transport.c  
\* \brief Provide http transport APIs  
\*  
\* Provide http transport APIs  
\*  
\* June 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/src\_stub/ch\_pf\_transport.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_mgr.c  
\* \brief DS manager APIs(access with critical section protection)  
\*  
\* DS manager APIs(access with critical section protection)  
\*  
\* May 2011, Long Yang  
\*  
\* Copyright (c) 2011-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_mgr.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_ipc.h  
\* \brief GCH ipc subsystem APIs  
\*  
\*

\* GCH ipc subsystem APIs  
\*  
\* October 2015, Qiang Zhou  
\*  
\* Copyright (c) 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/include/ch\_ipc.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_ipc\_sl\_server.c  
\* \brief GCH sl ipc server instance  
\*  
\* GCH sl ipc server instance  
\*  
\* October 2015, Qiang Zhou  
\*  
\* Copyright (c) 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/src/ch\_ipc\_sl\_server.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_ipc\_request\_code.h  
\* \brief GCH ipc request code definition  
\*  
\* GCH ipc request code definition  
\*  
\* October 2015  
\*  
\* Copyright (c) 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/include/ch\_ipc\_request\_code.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_xml\_parser.c  
\* \brief Translate update response xml to core database structure  
\*

\* Translate update response xml to core database structure  
\*  
\* May 2011, Chenqi Wang  
\*  
\* Copyright (c) 2011-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_xml\_parser.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_sys\_info.h  
\* \brief define platform system info  
\*  
\* Define platform system info related structures, for both hardware based  
\* products and software based products.  
\*  
\* June 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_sys\_info.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_pf\_ca\_content.h  
\* \brief define ca chain for https  
\*  
\* ca chain works for tools.cisco.com, tools-dev.cisco.com,  
\* tools-stage.cisco.com and elo-elm5.cisco.com  
\*  
\* the first 3 works for tools.cisco.com  
\* the 4th for tools-dev and tools-stage  
\* the last 3 works for elo-elm5.cisco.com  
\*  
\* July 2014  
\*  
\* Copyright (c) 2014 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_ca\_content.h

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

```
/*!  
* \file ch_client_api.h  
* \brief Client API prototypes  
*  
* Client API prototypes  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch_client_api.h  
No license file was found, but licenses were detected in source scan.
```

```
/*!  
* \file call_home_ds_file.h  
* \brief Provide file I/O API related definitions  
*  
* Provide file I/O API related definitions  
*  
* March 2011  
*  
* Copyright (c) 2011-2013, 2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/include/call_home_ds_file.h  
No license file was found, but licenses were detected in source scan.
```

```
/*-----  
* cns_iterator.c - Implementation of the iterator object for the  
*                 xml parser.  
*  
* September 2006  
*  
* Copyright (c) 2006-2009, 2015 by cisco Systems, Inc.  
* All rights reserved.  
*-----  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/fh_xml_iterator.c
```

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

```
/*!  
* \file ch_statistics_common.h  
* \brief define call-home statistics structures  
*  
* define call-home statistics structures  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch_statistics_common.h
```

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

```
/*!  
* \file ch_db_nvconfig.c  
* \brief Provide APIs to parse/generate XML string for call-home config  
*  
* Provide APIs to parse/generate XML string for call-home config  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_db_nvconfig.c
```

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

```
/*!  
* \file call_home_ds_events.c  
* \brief Provide DS event related APIs  
*  
* Provide DS event related APIs  
*  
* March 2011,  
*  
* Copyright (c) 2011-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/
```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call_home_ds_events.c
```

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

```
/*!  
* \file bitstring.h  
* \brief Bit string handling MACRO  
*  
* Bit string handling MACRO  
*  
* August 2014, Qiang Zhou  
*  
* Copyright (c) 2014-2015 by cisco Systems, Inc.  
* All rights reserved.  
*/  
/*  
* Copyright (c) 1989, 1993  
*   The Regents of the University of California. All rights reserved.  
*  
* This code is derived from software contributed to Berkeley by  
* Paul Vixie.  
*  
* Redistribution and use in source and binary forms, with or without  
* modification, are permitted provided that the following conditions  
* are met:  
* 1. Redistributions of source code must retain the above copyright  
*   notice, this list of conditions and the following disclaimer.  
* 2. Redistributions in binary form must reproduce the above copyright  
*   notice, this list of conditions and the following disclaimer in the  
*   documentation and/or other materials provided with the distribution.  
* 3. All advertising materials  
*   mentioning features or use of this software  
*   must display the following acknowledgement:  
*     This product includes software developed by the University of  
*     California, Berkeley and its contributors.  
* 4. Neither the name of the University nor the names of its contributors  
*   may be used to endorse or promote products derived from this software  
*   without specific prior written permission.  
*  
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* ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE  
* IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE  
* ARE DISCLAIMED. IN NO EVENT SHALL THE REGENTS OR CONTRIBUTORS BE LIABLE  
* FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL  
* DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS  
* OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION)  
* HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY,  
* WHETHER IN CONTRACT, STRICT  
* LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY  
* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
```

\* SUCH DAMAGE.

\*

\* @(#)bitstring.h 8.1 (Berkeley) 7/19/93

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/bitstring.h

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

/\*!

\* \file ch\_em\_db\_generic.c

\* \brief Call-home event manager database

\*

\* Call-home event manager database

\*

\* July 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/src/ch\_em\_db\_generic.c

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

/\*!

\* \file ch\_formatter\_xml.h

\*

\* \brief Definitions for XML message formatting

\*

\* Definitions for XML message formatting, porting from IOS

\*

\* August 2014, Qiang Zhou

\*

\* Copyright (c) 2014-2015 by cisco Systems, Inc.

\* All rights reserved.

\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_formatter\_xml.h

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

/\*!

\* \file ch\_lib\_debug.h

\* \brief call-home lib debug APIs

\*

\* call-home lib debug APIs

\*



\* June 2015  
\*  
\* Copyright (c) 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/include/ch\_lib\_debug.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_lib\_ipc\_client\_util.h  
\* \brief Util APIs for GCH IPC client instance  
\*  
\* Util APIs for GCH IPC client instance  
\*  
\* October 2015, Qiang Zhou  
\*  
\* Copyright (c) 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/lib/include/ch\_lib\_ipc\_client\_util.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_global.h  
\* \brief call-home global definitions  
\*  
\* call-home global definitions  
\*  
\* July 2014, Qiang Zhou  
\*  
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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_global.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_signature\_verify.c  
\* \brief To provide function to verify digital signature  
\*  
\* To provide function to verify digital signature  
\*

\* May 2011, Chenqi Wang  
\*  
\* Copyright (c) 2011-2013, 2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_signature\_verify.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_profile.h  
\* \brief define call-home profile  
\*  
\* define call-home profile, and save all profile data  
\*  
\* July 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_profile.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_event\_spec.c  
\* \brief Provide DS raw event spec translation  
\*  
\* contains entry point and common functions for ds event spec translation.  
\*  
\* May 2011,  
\*  
\* Copyright (c) 2011-2015 by cisco Systems, Inc.  
\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_event\_spec.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_test\_main.c  
\* \brief Call-home test main file  
\*  
\* Call-home test main file  
\*

\* July 2014, Qiang Zhou  
\*  
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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/test/ch\_internal\_test\_main.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_backend\_status.h  
\* \brief Internal definitions for device backend status  
\*  
\* Internal definitions for device backend status  
\*  
\* November 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_backend\_status.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_lib\_event.h  
\* \brief GCH publish event related library APIs  
\*  
\* GCH publish event related library APIs  
\*  
\* July 2014, Qiang Zhou  
\*  
\* Copyright (c) 2014-2015 by cisco Systems, Inc.  
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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_lib\_event.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_lib\_main\_lib\_ver.h  
\* \brief call-home main header for GCH lib version  
\*  
\* call-home main header for GCH lib version  
\*

\* Nov 2015, Qiang Zhou  
\*  
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Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_lib\_main\_lib\_ver.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file cron.h  
\* \brief CRON related definitions  
\*  
\* CRON related definitions  
\*  
\* August 2014, Qiang Zhou  
\*  
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\* Send bug reports, bug fixes, enhancements, requests, flames, etc., and  
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\* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/cron.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_em\_cb.c  
\* \brief Provide wrapper APIs related with EM  
\*  
\* Provide wrapper APIs related with EM, event reg/cb  
\*

\* March 2011,  
\*  
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\* All rights reserved.  
\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_em\_cb.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_ipc\_server\_util.c  
\* \brief Util APIs for GCH IPC server instance  
\*  
\* Util APIs for GCH IPC server instance  
\*  
\* October 2015, Qiang Zhou  
\*  
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Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/src/ch\_ipc\_server\_util.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_em\_event\_expand.h  
\* \brief Provide support for event expand part  
\*  
\* Provide support for event expand part  
\*  
\* July 2014, Qiang Zhou  
\*  
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Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch\_em\_event\_expand.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_shim\_client\_api.h  
\* \brief add shim header, cover the difference of platforms/OS  
\*  
\* add shim header, cover the difference of platforms/OS  
\*

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Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/os-specific/include/ch\_shim\_client\_api.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_ha.h  
\* \brief GCH HA infra PI part  
\*  
\* GCH HA infra PI part  
\*  
\* April 2015, Qiang Zhou  
\*  
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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ha/include/ch\_ha.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_pf\_signature\_verify.h  
\* \brief Provide APIs to do signature verification.  
\*  
\* Provide APIs to do signature verification, like DS signature verification.  
\*  
\* January 2015, Qiang Zhou  
\*  
\* Copyright (c) 2014 by cisco Systems, Inc.  
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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/pf/include/ch\_pf\_signature\_verify.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file call\_home\_ds\_main.c  
\* \brief Call-home DS main  
\*  
\* DS Main, do 1. main process creation  
\*     2. timer event dispatch  
\*     3. msg dispatch

\*  
\* May 2011,  
\*  
\* Copyright (c) 2011-2015 by cisco Systems, Inc.  
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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call\_home\_ds\_main.c  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_lib\_main\_proc\_ver.h  
\* \brief call-home main header for GCH proc version  
\*  
\* call-home main header for GCH proc version  
\*  
\* Nov 2015, Qiang Zhou  
\*  
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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_lib\_main\_proc\_ver.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_ipc\_common\_util.h  
\* \brief IPC util APIs shared between client & server  
\*  
\* IPC util APIs shared between client & server  
\*  
\* October 2015, Qiang Zhou  
\*  
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Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ipc/include/ch\_ipc\_common\_util.h  
No license file was found, but licenses were detected in source scan.

/\*!  
\* \file ch\_db\_rate\_limit.c  
\* \brief Implement rate limit functionality  
\*  
\* Implement rate limit functionality

```

*
* August 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_db_rate_limit.c
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch_main.h
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_db_generic.c
* \brief Maintain call-home database(except profile)
*
* Maintain call-home database, excpet profiles
*
* July 2014, Qiang Zhou
*
* Copyright (c) 2014-2015 by cisco Systems, Inc.
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*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_db_generic.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file call_home_ds_update_rsp_parse.c
* \brief Extract download info from update response
*
* Extract download info from update response
*
* May 2011, Chenqi Wang
*
* Copyright (c) 2011-2013, 2015 by cisco Systems, Inc.
* All rights reserved.
*/

```

Found in path(s):

```

* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/src/call_home_ds_update_rsp_parse.c
No license file was found, but licenses were detected in source scan.

```

```

/*!
* \file ch_lib_filter_action_output.h
* \brief Provide library API to filter action output
*

```



\* Library API prototype to filter action output

\*

\* November 2014, Qiang Zhou

\*

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\*/

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/include/ch\_lib\_filter\_action\_output.h

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

/\*!

\* \file unsupported\_list

\* \brief

\*

\*

\* December 2014

\*

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\*/

#1. Event detection in script

#2. Event qualifier in script

#3. v1 msg suppression

#4. run command with time limit

#5. run command with expect string

#6. run a single CLI with multiply lines of config in a vty

#7. MSG element

#8. DS periodic update

#9. DS file bring up

#10. DS script

#11. DS to change Event Group actions

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/ds/unsupported\_list

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

```

/*!
 * \file ch_em_ed.h
 * \brief Event manager ED
 *
 * Event manager ED
 *
 * November 2014, Qiang Zhou
 *
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 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/event-manager/include/ch_em_ed.h
```

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

```

/*!
 * \file ch_db_profile.c
 * \brief Maintain call-home profiles
 *
 * Maintain all call-home profiles, provide interface for profile data
 * manipulation
 *
 * July 2014, Qiang Zhou
 *
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 * All rights reserved.
 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/src/ch_db_profile.c
```

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

```

/*!
 * \file ch_rate_limit.h
 * \brief Define rate limit related
 *
 * Define rate limit related
 *
 * August 2014, Qiang Zhou
 *
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 */

```

Found in path(s):

```
* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch_rate_limit.h
```

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

```
/*!  
 * \file ch_client_database.h  
 * \brief Client database header file  
 *  
 * Client database header file  
 *  
 * August 2014, Qiang Zhou  
 *  
 * Copyright (c) 2014-2015 by cisco Systems, Inc.  
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 */
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/core/include/ch\_client\_database.h

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

```
/*!  
 * \file ch_test_lib_config_api.c  
 * \brief Sanity test on GCH lib config APIs  
 *  
 * Sanity test on GCH lib config APIs  
 *  
 * Nov 2015, Qiang Zhou  
 *  
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 * All rights reserved.  
 */
```

Found in path(s):

\* /gch-v0-1-tar-gz/gch-v0.1/call-home/test/ch\_test\_lib\_api.c

## 1.124 python-dnspython 1.16.0

### 1.124.1 Available under license :

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## 1.125 python-klein 20.6.0

### 1.125.1 Available under license :

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## 1.126 ciscossl-fom 6.2a.201703281752

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*  
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*/
```

Found in path(s):

\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/modes/modes.h

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

```
/* =====  
* Copyright (c) 2003 The OpenSSL Project. All rights reserved.  
*  
*  
* This command is intended as a test driver for the FIPS-140 testing  
* lab performing FIPS-140 validation. It demonstrates the use of the  
* OpenSSL library to perform a variety of common cryptographic  
* functions. A power-up self test is demonstrated by deliberately  
* pointing to an invalid executable hash  
*  
* Contributed by Steve Marquess.  
*  
*/
```

Found in path(s):

\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/fips\_test\_suite.c

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- \* =====
- \*
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- \* ([eyay@cryptsoft.com](mailto:eyay@cryptsoft.com)). This product includes software written by Tim
- \* Hudson ([tjh@cryptsoft.com](mailto:tjh@cryptsoft.com)).
- \*
- \*/

Found in path(s):

\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/symhacks.h

\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/stack/safestack.h

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\* (eay@cryptsoft.com). This product includes software written by Tim  
\* Hudson (tjh@cryptsoft.com).

\*

\*/

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```

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*
/ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/utl/fips_md.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn_rand.c
```

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```

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- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/ciscossl-cvmx.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/octeon-model.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/ciscossl-cvmx-asm.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/ciscossl-cvmx-platform.h

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#!/usr/bin/env perl

# =====

# Written by Andy Polyakov <appro@fy.chalmers.se> for the OpenSSL  
 # project. The module is, however, dual licensed under OpenSSL and  
 # CRYPTOGAMS licenses depending on where you obtain it. For further  
 # details see <http://www.openssl.org/~appro/cryptogams/>.

# =====

# I let hardware handle unaligned input(\*), except on page boundaries  
 # (see below for details). Otherwise straightforward implementation  
 # with X vector in register bank. The module is big-endian [which is  
 # not big deal as there're no little-endian targets left around].

#

# (\*) this means that this module is inappropriate for PPC403? Does  
 # anybody know if pre-POWER3 can sustain unaligned load?

# -m64 -m32

```

# -----
# PPC970,gcc-4.0.0 +76% +59%
# Power6,xlc-7 +68% +33%

$flavour
= shift;

if ($flavour =~ /64/) {
    $SIZE_T=8;
    $LRSIZE =2*$SIZE_T;
    $UCMP ="cmpld";
    $STU ="stdu";
    $POP ="ld";
    $PUSH ="std";
} elsif ($flavour =~ /32/) {
    $SIZE_T=4;
    $LRSIZE =$SIZE_T;
    $UCMP ="cmplw";
    $STU ="stwu";
    $POP ="lwz";
    $PUSH ="stw";
} else { die "nonsense $flavour"; }

$0 =~ m/(.*[\\])(^\\)+$/; $dir=$1;
( $xlate="{dir}ppc-xlate.pl" and -f $xlate ) or
( $xlate="{dir}../perlasm/ppc-xlate.pl" and -f $xlate) or
die "can't locate ppc-xlate.pl";

open STDOUT,"| ^X $xlate $flavour ".shift || die "can't call $xlate: $!";

$FRAME=24*$SIZE_T+64;
$LOCALS=6*$SIZE_T;

$K ="r0";
$sp ="r1";
$toc ="r2";
$ctx ="r3";
$inp ="r4";
$num ="r5";
$t0 ="r15";
$t1 ="r6";

$A ="r7";
$B ="r8";
$C ="r9";
$D ="r10";
$E ="r11";
$T ="r12";

```

```
@V=($A,$B,$C,$D,$E,$T);
@X=("r16","r17","r18","r19","r20","r21","r22","r23",
    "r24","r25","r26","r27","r28","r29","r30","r31");
```

```
sub BODY_00_19 {
my ($i,$a,$b,$c,$d,$e,$f)=@_;
my $j=$i+1;
$code.=<<__ if ($i==0);
lwz @X[$i],`$i*4`($inp)

__
$code.=<<__
if ($i<15);
lwz @X[$j],`$j*4`($inp)
add $f,$K,$e
rotlwi $e,$a,5
add $f,$f,@X[$i]
and $t0,$c,$b
add $f,$f,$e
andc $t1,$d,$b
rotlwi $b,$b,30
or $t0,$t0,$t1
add $f,$f,$t0

__
$code.=<<__ if ($i>=15);
add $f,$K,$e
rotlwi $e,$a,5
xor @X[$j%16],@X[$j%16],@X[(($j+2)%16)]
add $f,$f,@X[$i%16]
and $t0,$c,$b
xor @X[$j%16],@X[$j%16],@X[(($j+8)%16)]
add $f,$f,$e
andc $t1,$d,$b
rotlwi $b,$b,30
or $t0,$t0,$t1
xor @X[$j%16],@X[$j%16],@X[(($j+13)%16)]
add $f,$f,$t0
rotlwi @X[$j%16],@X[$j%16],1

__
}
```

```
sub BODY_20_39 {
my ($i,$a,$b,$c,$d,$e,$f)=@_;
my $j=$i+1;
$code.=<<__ if ($i<79);
add $f,$K,$e
rotlwi $e,$a,5
xor @X[$j%16],@X[$j%16],@X[(($j+2)%16)]
```

```

add $f,$f,@X[$i%16]
xor $t0,$b,$c
xor @X[$j%16],@X[$j%16],@X[(j+8)%16]
add $f,$f,$e
rotlwi $b,$b,30
xor $t0,$t0,$d
xor @X[$j%16],@X[$j%16],@X[(j+13)%16]
add $f,$f,$t0
rotlwi @X[$j%16],@X[$j%16],1

```

```

____
$code.=<<____ if ($i==79);

```

```

add $f,$K,$e
rotlwi $e,$a,5
lwz r16,0($ctx)
add $f,$f,@X[$i%16]
xor $t0,$b,$c
lwz r17,4($ctx)
add $f,$f,$e
rotlwi $b,$b,30
lwz r18,8($ctx)
xor $t0,$t0,$d
lwz r19,12($ctx)
add $f,$f,$t0
lwz r20,16($ctx)

```

```

____
}

```

```

sub
BODY_40_59 {
my ($i,$a,$b,$c,$d,$e,$f)=@_;
my $j=$i+1;
$code.=<<____;
add $f,$K,$e
rotlwi $e,$a,5
xor @X[$j%16],@X[$j%16],@X[(j+2)%16]
add $f,$f,@X[$i%16]
and $t0,$b,$c
xor @X[$j%16],@X[$j%16],@X[(j+8)%16]
add $f,$f,$e
or $t1,$b,$c
rotlwi $b,$b,30
xor @X[$j%16],@X[$j%16],@X[(j+13)%16]
and $t1,$t1,$d
or $t0,$t0,$t1
rotlwi @X[$j%16],@X[$j%16],1
add $f,$f,$t0

```

```

____
}

```

```

$code=<<__;  

.machine "any"  

.text  
  

.globl .sha1_block_data_order  

.align 4  

.sha1_block_data_order:  

$STU $sp,-$FRAME($sp)  

mflr r0  

$PUSH r15,`$FRAME-$SIZE_T*17`($sp)  

$PUSH r16,`$FRAME-$SIZE_T*16`($sp)  

$PUSH r17,`$FRAME-$SIZE_T*15`($sp)  

$PUSH r18,`$FRAME-$SIZE_T*14`($sp)  

$PUSH r19,`$FRAME-$SIZE_T*13`($sp)  

$PUSH r20,`$FRAME-$SIZE_T*12`($sp)  

$PUSH r21,`$FRAME-$SIZE_T*11`($sp)  

$PUSH r22,`$FRAME-$SIZE_T*10`($sp)  

$PUSH r23,`$FRAME-$SIZE_T*9`($sp)  

$PUSH r24,`$FRAME-$SIZE_T*8`($sp)  

$PUSH r25,`$FRAME-$SIZE_T*7`($sp)  

$PUSH r26,`$FRAME-$SIZE_T*6`($sp)  

$PUSH r27,`$FRAME-$SIZE_T*5`($sp)  

$PUSH r28,`$FRAME-$SIZE_T*4`($sp)  

$PUSH r29,`$FRAME-$SIZE_T*3`($sp)  

$PUSH r30,`$FRAME-$SIZE_T*2`($sp)  

$PUSH r31,`$FRAME-$SIZE_T*1`($sp)  

$PUSH r0,`$FRAME+$LRSAVE`($sp)  

lwz $A,0($ctx)  

lwz $B,4($ctx)  

lwz $C,8($ctx)  

lwz $D,12($ctx)  

lwz $E,16($ctx)  

andi. r0,$inp,3  

bne Lunaligned  

Laligned:  

mtctr $num  

bl Lsha1_block_private  

b Ldone  
  

;  

PowerPC specification allows an implementation to be ill-behaved  

; upon unaligned access which crosses page boundary. "Better safe  

; than sorry" principle makes me treat it specially. But I don't  

; look for particular offending word, but rather for 64-byte input  

; block which crosses the boundary. Once found that block is aligned  

; and hashed separately...  

.align 4

```

```

Lunaligned:
subfic $t1,$inp,4096
andi. $t1,$t1,4095 ; distance to closest page boundary
srwi. $t1,$t1,6 ; t1/=64
beq Lcross_page
$UCMP $num,$t1
ble- Laligned ; didn't
cross the page boundary
mtctr $t1
subfc $num,$t1,$num
bl Lsha1_block_private
Lcross_page:
li $t1,16
mtctr $t1
addi r20,$sp,$LOCALS ; spot within the frame
Lmemcpy:
lbz r16,0($inp)
lbz r17,1($inp)
lbz r18,2($inp)
lbz r19,3($inp)
addi $inp,$inp,4
stb r16,0(r20)
stb r17,1(r20)
stb r18,2(r20)
stb r19,3(r20)
addi r20,r20,4
bdnz Lmemcpy

$PUSH $inp,`$FRAME-$SIZE_T*18`($sp)
li $t1,1
addi $inp,$sp,$LOCALS
mtctr $t1
bl Lsha1_block_private
$POP $inp,`$FRAME-$SIZE_T*18`($sp)
addic. $num,$num,-1
bne- Lunaligned

Ldone:
$POP r0,`$FRAME+$LRSAVE`($sp)
$POP r15,`$FRAME-$SIZE_T*17`($sp)
$POP r16,`$FRAME-$SIZE_T*16`($sp)
$POP r17,`$FRAME-$SIZE_T*15`($sp)
$POP r18,`$FRAME-$SIZE_T*14`($sp)
$POP r19,`$FRAME-$SIZE_T*13`($sp)
$POP r20,`$FRAME-$SIZE_T*12`($sp)
$POP r21,`$FRAME-$SIZE_T*11`($sp)
$POP r22,`$FRAME-$SIZE_T*10`($sp)
$POP r23,`$FRAME-$SIZE_T*9`($sp)

```



```

$POP r24,`$FRAME-$SIZE_T*8`($sp)
$POP r25,`$FRAME-$SIZE_T*7`($sp)
$POP r26,`$FRAME-$SIZE_T*6`($sp)
$POP r27,`$FRAME-$SIZE_T*5`($sp)
$POP r28,`$FRAME-$SIZE_T*4`($sp)
$POP r29,`$FRAME-$SIZE_T*3`($sp)
$POP r30,`$FRAME-$SIZE_T*2`($sp)
$POP r31,`$FRAME-$SIZE_T*1`($sp)
mtlr r0
addi $sp,$sp,$FRAME
blr
.long 0
.byte 0,12,4,1,0x80,18,3,0
.long 0
—

#
This is private block function, which uses tailored calling
# interface, namely upon entry SHA_CTX is pre-loaded to given
# registers and counter register contains amount of chunks to
# digest...
$code.=<<___;
.align 4
Lsha1_block_private:
—
$code.=<<___; # load K_00_19
lis $K,0x5a82
ori $K,$K,0x7999
—
for($i=0;$i<20;$i++) { &BODY_00_19($i,@V); unshift(@V,pop(@V)); }
$code.=<<___; # load K_20_39
lis $K,0x6ed9
ori $K,$K,0xeba1
—
for($i<40;$i++) { &BODY_20_39($i,@V); unshift(@V,pop(@V)); }
$code.=<<___; # load K_40_59
lis $K,0x8f1b
ori $K,$K,0xbcdc
—
for($i<60;$i++) { &BODY_40_59($i,@V); unshift(@V,pop(@V)); }
$code.=<<___; # load K_60_79
lis $K,0xca62
ori $K,$K,0xc1d6
—
for($i<80;$i++) { &BODY_20_39($i,@V); unshift(@V,pop(@V));
}
$code.=<<___;
add r16,r16,$E

```

```

add r17,r17,$T
add r18,r18,$A
add r19,r19,$B
add r20,r20,$C
stw r16,0($ctx)
mr $A,r16
stw r17,4($ctx)
mr $B,r17
stw r18,8($ctx)
mr $C,r18
stw r19,12($ctx)
mr $D,r19
stw r20,16($ctx)
mr $E,r20
addi $inp,$inp,`16*4`
bdnz- Lsha1_block_private
blr
.long 0
.byte 0,12,0x14,0,0,0,0,0

```

```

____
$code.=<<____;

```

```

.asciz "SHA1 block transform for PPC, CRYPTOGRAMS by <appro\@fy.chalmers.se>"
____

```

```

$code =~ s/\`([^\`]*)\`/eval $1/gem;
print $code;
close STDOUT;

```

Found in path(s):

```

* /cissosl-fom-6-2a-201703281752-tar-gz/cissosl-fom-6.2a.201703281752/crypto/sha/asm/sha1-ppc.pl
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```

```

/* -----
* crypto/aes/asm/aes_gcm-octeon.c - Cavium Octeon specific hardware assist
* functionality that is to reside within the FIPS canister.
*
* January 2013
*
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*-----
*/

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```

```

/*-----

```

\* kdf/kdf\_snmp.c - Key Derivation Function for SNMP

\*

\* February 2015

\*

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- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/modes/ctr128.c
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* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/aes_misc.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/aes_cbc.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/aes_ctr.c
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/ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/aes_ecb.c
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```
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* fips_test_ig95.c - Unit test for IG 9.5 support
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* April, 2015
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/* =====
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*
* This command is intended as a test driver for the FIPS-140 testing
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*
* Contributed by Steve Marquess.
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*/
```

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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/asm/vpaes-x86\_64.pl

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\* fips/kdf/fips\_kdf\_ikev2.c - IKEV2 KDF vector tests

\*

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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/evp/e\_aes\_cbc\_hmac\_sha1.c

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 \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/dh/fips\_dh\_lib.c  
 \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/dsa/fips\_dsa\_lib.c  
 \*  
 \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/rsa/fips\_rsa\_sign.c

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- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/evp/e\_desoct\_cbc\_hmac.c

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- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/cmac/cmac.c
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 * fips/kdf/fips_kdf_snmp.c - SNMP KDF vector tests
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\* kdf/kdf\_802\_11i.c - Key Derivation Function for 802.11i

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\* fips/rsa/fips\_rsa2gtest.c - RSA2 Key Generation algorithm processing

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\* July 2013 Barry Fussell

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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-mips.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/modes/asm/ghash-x86\_64.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-sparcv9.pl  
\*  
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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-ia64.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha512-armv4.pl  
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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-thumb.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/modes/asm/ghash-x86.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/ppc-mont.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha512-ppc.pl  
\*  
/ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha256-armv4.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/s390x-mont.pl  
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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/asm/aesni-x86.pl  
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\*  
/ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/asm/aesni-sha1-x86\_64.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/sparcv9a-mont.pl  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha256-586.pl

```

* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/via-mont.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-s390x.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-x86_64.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/s390x-gf2m.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/modes/asm/ghash-ia64.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/x86_64-mont5.pl
*
/ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/asm/aes-parisc.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-armv4-large.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/ia64-mont.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/modes/asm/ghash-alpha.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-alpha.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/asm/aes-ppc.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha512-parisc.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/alpha-mont.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/armv4-gf2m.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/parisc-mont.pl
*
/ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha512-s390x.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha512-sparcv9.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/sparcv9-mont.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/modes/asm/ghash-sparcv9.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/asm/sha1-586.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/x86_64-gf2m.pl
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* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/asm/aes-586.pl
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/asm/aes-mips.pl
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* crypto/des/asm/ecb3_enc-octeon.c - Cavium Octeon specific hardware assist
* functionality that is to reside within the FIPS canister.
*
* January 2013
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/* -----
* fips/embedsig.c - Utility to embed signatures into files on disk
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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/thr\_id.c  
\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/cryptlib.c

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```

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```

/*-----
* fips/kdf/fips_kdf_srtp.c - SRTP KDF vector tests
*
* March 2015
*
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*-----
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```

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```
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/kdf/fips_kdf_srtp.c
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\*/

```
#define FIPS_AUTH_KEY "etaonrishdlcupfm"
#define FIPS_AUTH_CRYPTOFFICER "7f92562d409c903322c0f94a1188ae8178339a4f"
#define FIPS_AUTH_CRYPTouser "cb6cbdaad26cd210a8b31a5d56a876ee1d51a96c"
```

Found in path(s):

\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/fips\_auth.in

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- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/hmac/fips\_hmac\_selftest.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/fips\_locl.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/fips\_auth.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/dsa/fips\_dsa\_selftest.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/fips.c
- \*
- /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/cmac/fips\_cmac\_selftest.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/fips\_utl.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/fips.h
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```

/* -----
* crypto/aes/asm/aes_xts-octeon.c - Cavium Octeon specific hardware assist
* functionality that is to reside within the FIPS canister.
*
* January 2013
*
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- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/evp/m\_dss.c
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- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/dsa/dsa\_key.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn\_prime.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/util/add\_cr.pl
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/stack/stack.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/cfb64enc.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/rsa/rsa\_pk1.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn\_add.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/dh/dh.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn\_div.c
- \*
- /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/rsa/rsa\_none.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn\_shift.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/evp/e\_des3.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/utl/fips\_enc.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/ofb64ede.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/des\_enc.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/dsa/dsa.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn\_print.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/evp/evp.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/buffer/buf\_str.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/dh/dh\_gen.c
- \*
- /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/des\_ver.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/rsa/rsa.h
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/hmac/hmac.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/dsa/dsa\_oss.c
- \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/dsa/dsa\_gen.c

```

* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/cfb64ede.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/rsa/rsa_crpt.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/evp/m_sha1.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/hmac/hmac.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/fcrypt_b.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/rsa/rsa_ssl.c
*
/ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn_mul.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bio/bio.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/dh/dh_check.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn_word.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/cfb_enc.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/rsa/rsa_gen.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/sha/sha1dgst.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/asn1/asn1.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/cryptlib.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/lhash/lhash.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/e_os.h
*
/ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/evp/e_null.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/rand/rand.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/bn_sqr.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/spr.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/ecb3_enc.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/dsa/fips_dsatest.c
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/buffer/buffer.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/des/rpc_des.h
* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/dh/dh_key.c
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```
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*
* Developers and authors:
*
* Shay Gueron (1, 2), and Vlad Krasnov (1)
*
* (1) Intel Corporation, Israel Development Center
*
* (2) University of Haifa
*
* Reference:
*
* S.Gueron and V.Krasnov, "Fast Prime Field Elliptic Curve Cryptography with
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*
* 256 Bit Primes"
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* /cissocsl-fom-6-2a-201703281752-tar-gz/cissocsl-fom-6.2a.201703281752/crypto/ec/ecp_nistz256.c
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* /cissocsl-fom-6-2a-201703281752-tar-gz/cissocsl-fom-6.2a.201703281752/crypto/ec/asm/ecp_nistz256-x86_64.pl
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```

/* -----
* crypto/des/asm/ncbc_enc-octeon.c - Cavium Octeon specific hardware assist
* functionality that is to reside within the FIPS canister.
*

```

\* January 2013

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```
/*-----
 * fips/kdf/fips_kdf_ssh.c - SSH KDF vector tests
 *
 * March 2015
 *
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 *-----
 */
```

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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/kdf/fips\_kdf\_ssh.c

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* include/cavium/cvmx-aes.h - Cavium Octeon specific hardware assist
* functionality that is to reside within the FIPS canister.
*
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*
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* /cissossl-fom-6-2a-201703281752-tar-gz/cissossl-fom-6.2a.201703281752/crypto/ecdsa/ecs_locl.h
* /cissossl-fom-6-2a-201703281752-tar-gz/cissossl-fom-6.2a.201703281752/crypto/ecdsa/ecdsa.h
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* /cissossl-fom-6-2a-201703281752-tar-gz/cissossl-fom-6.2a.201703281752/crypto/sha/sha512.c
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\* crypto/aes/asm/aes\_ctr-octeon.c - Cavium Octeon specific hardware assist

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```
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```

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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/test/fips\_algvs.c

\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/dsa/fips\_dsa\_sign.c

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/\*-----

\* kdf/kdf\_ikev2.c - Key Derivation Functions for IKEv2

\*

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\*

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\* fips/kdf/fips\_kwvs.c - Key Wrap vector tests

\*

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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/kdf/fips\_kwvs.c

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```
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```
/*  
* Utilities for constant-time cryptography.  
*  
* Author: Emilia Kasper (emilia@openssl.org)  
* Based on previous work by Bodo Moeller, Emilia Kasper, Adam Langley  
* (Google).  
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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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\* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/aes/aes\_x86core.c

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```
/* -----  
* crypto/sha/asm/sha256-octeon.c - Cavium Octeon specific hardware assist  
* functionality that is to reside within the FIPS canister.  
*  
* January 2013  
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* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/ec/ec_lcl.h
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*/

```

Found in path(s):

```

* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/o_dir.h

```

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

```

/* -----
* crypto/bn/asm/modexp-octeon.c - Cavium Octeon specific hardware assist
* functionality.
*
* January 2013
*
* Copyright (c) 2013 by cisco Systems, Inc.
* All rights reserved.
* -----
*/

```

Found in path(s):

```

* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/crypto/bn/asm/modexp-octeon.c

```

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

```

/* .c>, <crypto/*/* .c>, <ssl/* .c>, <apps/* .c> )

```

When this option is NOT specified, the filelist is taken from the commandline instead. Here, wildcards may be embedded. (Be sure to escape those to prevent the shell from expanding them

for you when you wish mkerr.pl to do so instead.)  
Default: take file list to scan from the command line.

-reindex     Discard the numeric values previously assigned to the error and function codes as extracted from the scanned header files; instead renumber all of them starting from 100. (Note that the numbers assigned through 'R' records in the config file remain intact.)  
Default: keep previously assigned numbers. (You are warned when collisions are detected.)

-nostatic     Generates a different source code, where these additional functions are generated for each library specified in the config file:  
    void ERR\_load\_<LIB>\_strings(void);  
    void ERR\_unload\_<LIB>\_strings(void);  
    void ERR\_<LIB>\_error(int f, int r, char \*fn, int ln);  
    #define <LIB>err(f,r) ERR\_<LIB>\_error(f,r,\_\_FILE\_\_,\_\_LINE\_\_)  
while the code facilitates the use of these in an environment where the error support routines are dynamically loaded at runtime.  
Default: 'static' code generation.

-staticloader Prefix generated functions with the 'static' scope modifier.  
Default: don't write any scope modifier prefix.

-write        Actually (over)write the generated code to the header and C source files as assigned to each library through the config file.  
Default: don't write.

-help / -h / -?     Show this help text.  
/ --help

...           Additional arguments are added to the file list to scan, assuming '-recurse' was NOT specified on the command line.

EOF

```
exit 1;  
} else {  
last;  
}  
}
```

```
if($recurse) {  
@source = ( <crypto/*.c>, <crypto/*/*.c>, <ssl/*.c>,  
    <fips/*.c>, <fips/*/*.c>);
```



```

} else {
    @source = @ARGV;
}

# Read in the config file

open(IN, "<$config") || die "Can't open config file $config";

# Parse config file

while(<IN>)
{
    if(/^L\s+(\S+)\s+(\S+)\s+(\S+)/) {
        $hinc{$1} = $2;
        $libinc{$2} = $1;
        $cskip{$3} = $1;
        if($3 ne "NONE") {
            $csrc{$1} = $3;
            $fmax{$1} = 100;
            $rmax{$1} = 100;
            $fassigned{$1} = ":";
            $rassigned{$1} = ":";
            $fnew{$1} = 0;
            $rnew{$1} = 0;
        }
    } elsif (/^F\s+(\S+)/) {
        # Add extra function with $1
    } elsif (/^R\s+(\S+)\s+(\S+)/) {
        $rextra{$1} = $2;
        $rcodes{$1} = $2;
    }
}

close IN;

# Scan each header file in turn and make a list of error codes
# and function names

while (($hdr, $lib) =
    each %libinc)
{
    next if($hdr eq "NONE");
    print STDERR "Scanning header file $hdr\n" if $debug;
    my $line = "", $def= "", $linenr = 0, $gotfile = 0;
    if (open(IN, "<$hdr")) {
        $gotfile = 1;
        while(<IN>) {
            $linenr++;

```

```

print STDERR "line: $linenr\r" if $debug;

last if(/BEGIN\s+ERROR\s+CODES/);
if ($line ne "") {
    $_ = $line . $_;
    $line = "";
}

if (/\$/ ) {
    $line = $_;
    next;
}

if (/\^*/ ) {
    if (not /\^\/ ) { # multiline comment...
        $line = $_; # ... just accumulate
        next;
    } else {
        s/\^*. *?\^*\/ //gs; # wipe it
    }
}

if ($cpp) {
    $cpp++ if /\^#\s*if/;
    $cpp-- if /\^#\s*endif/;
    next;
}
$cpp = 1 if /\^#\s*ifdef.*cplusplus/; # skip "C" declaration

next if (/\^#/);          # skip preprocessor directives

s/{\^[{}]*} //gs;        # ignore {} blocks

if (/\^[|\/\^*/ ) { # Add a } so editor works...
    $line = $_;
} else {
    $def .= $_;
}
}
}

print STDERR
"                \r" if $debug;

    $defnr = 0;
# Delete any DECLARE_ macros
$def =~ s/DECLARE_\w+\[([w,s]+)\] //gs;
foreach (split /\s/, $def) {
    $defnr++;

```

```

print STDERR "def: $defnr\r" if $debug;

# The goal is to collect function names from function declarations.

s/^\n\s]*//g;
s/[\n\s]*$/g;

# Skip over recognized non-function declarations
next if(/typedefW/ or /DECLARE_STACK_OF/ or /TYPEDEF_.*_OF/);

# Remove STACK_OF(foo)
s/STACK_OF(\w+)/void/;

# Reduce argument lists to empty ()
# fold round brackets recursively: (t(*v)(t),t) -> (t{}{}),t) -> {}
while(/\(.*\)/s) {
s/([^\(\)]+)\^\{\}/g;
s/(\s*\s*(\w+)\s*\{\}\s*)/$1/g; #(*f{}) -> f
}
# pretend as we didn't use curly braces: {} -> ()
s/\{\}/\(\)/g;

if (/(\w+)\s*\(\).*/s) { # first token prior [first] () is
my $name = $1; # a function name!
$name =~ tr/[a-z]/[A-Z]/;
$ftrans{$name} = $1;
} elsif (/[\(\)]/)
and not (/=/) {
print STDERR "Header $hdr: cannot parse: $_\n";
}
}

print STDERR "          \r" if $debug;

next if $reindex;

# Scan function and reason codes and store them: keep a note of the
# maximum code used.

if ($gotfile) {
while(<IN>) {
if(/^\#define\s+(\S+)\s+(\S+)/) {
$name = $1;
$code = $2;
next if $name =~ /^${lib}err/;
unless($name =~ /^${lib}_(RF)_(\w+)/) {
print STDERR "Invalid error code $name\n";
}
next;
}
}
}

```

```

}
if($1 eq "R") {
    $rcodes{$name} = $code;
    if ($rassigned{$lib} =~ /:$code:/) {
        print STDERR "!! ERROR: $lib reason code $code assigned twice (collision at $name)\n";
        ++$serrcount;
    }
    $rassigned{$lib} .= "$code:";
    if(!(exists $rextra{$name})) &&
        ($code > $rmax{$lib}) ) {
        $rmax{$lib} = $code;
    }
} else {
    if ($fassigned{$lib} =~ /:$code:/) {
        print STDERR "!! ERROR: $lib function code $code assigned twice (collision at $name)\n";
        ++$serrcount;
    }
    $fassigned{$lib}
.= "$code:";
    if($code > $fmax{$lib}) {
        $fmax{$lib} = $code;
    }
    $fcodes{$name} = $code;
}
}
}
}

if ($debug) {
    if (defined($fmax{$lib})) {
        print STDERR "Max function code fmax" . "{" . "$lib" . " } = $fmax{$lib}\n";
        $fassigned{$lib} =~ m/^(.*):$/;
        @fassigned = sort {$a <=> $b} split(":", $1);
        print STDERR " @fassigned\n";
    }
    if (defined($rmax{$lib})) {
        print STDERR "Max reason code rmax" . "{" . "$lib" . " } = $rmax{$lib}\n";
        $rassigned{$lib} =~ m/^(.*):$/;
        @rassigned = sort {$a <=> $b} split(":", $1);
        print STDERR " @rassigned\n";
    }
}

if ($lib eq "SSL") {
    if ($rmax{$lib} >= 1000) {
        print STDERR "!! ERROR: SSL error codes 1000+ are reserved for alerts.\n";
        print STDERR "!! Any new alerts must be added to $config.\n";
        ++$serrcount;
    }
}

```

```

    print STDERR "\n";
}
}
close IN;
}

# Scan each C source file and look for function and reason codes
# This is done by looking for strings that
# "look like" function or
# reason codes: basically anything consisting of all upper case and
# numerics which has _F_ or _R_ in it and which has the name of an
# error library at the start. This seems to work fine except for the
# oddly named structure BIO_F_CTX which needs to be ignored.
# If a code doesn't exist in list compiled from headers then mark it
# with the value "X" as a place holder to give it a value later.
# Store all function and reason codes found in %ufcodes and %urcodes
# so all those unreferenced can be printed out.

foreach $file (@source) {
    # Don't parse the error source file.
    next if exists $cskip{$file};
    print STDERR "File loaded: ".$file."\r" if $debug;
    open(IN, "<$file") || die "Can't open source file $file\n";
    while(<IN>) {
        # skip obsoleted source files entirely!
        last if(/^#error\s+obsolete/);

        if(/([A-Z0-9]+)_F_([A-Z0-9_]+)/) {
            next unless exists $csrc{$2};
            next if($1 eq "BIO_F_BUFFER_CTX");
            $ufcodes{$1} = 1;
            if(!exists $fcodes{$1})
            {
                $fcodes{$1} = "X";
                $fnew{$2}++;
            }
            $notrans{$1} = 1 unless exists $ftrans{$3};
            print STDERR "Function: $1\t= $fcodes{$1} (lib: $2, name: $3)\n" if $debug;
        }
        if(/([A-Z0-9]+)_R_([A-Z0-9_]+)/) {
            next unless exists $csrc{$2};
            $urcodes{$1} = 1;
            if(!exists $rcodes{$1}) {
                $rcodes{$1} = "X";
                $rnew{$2}++;
            }
            print STDERR "Reason: $1\t= $rcodes{$1} (lib: $2)\n" if $debug;
        }
    }
}

```

```

    }
    }
    close IN;
}
print STDERR "                \n" if $debug;

# Now process each library in turn.

foreach $lib (keys %csrc)
{
    my $hfile = $hinc{$lib};
    my $cfile = $csrc{$lib};
    if(!$fnew{$lib} && !$rnew{$lib}) {
        print STDERR "$lib:\t\tNo new error codes\n";
        next unless $rebuild;
    } else {
        print STDERR "$lib:\t\t$fnew{$lib} New Functions,";
        print STDERR " $rnew{$lib} New Reasons.\n";
        next unless $dowrite;
    }
}

# If we get here then we have some new error codes so we
# need to rebuild the header file and C file.

# Make a sorted list of error and
reason codes for later use.

my @function = sort grep(/^${lib}_/,keys %fcodes);
my @reasons = sort grep(/^${lib}_/,keys %rcodes);

# Rewrite the header file

if (open(IN, "<$hfile")) {
    # Copy across the old file
    while(<IN>) {
        push @out, $_;
        last if (/BEGIN ERROR CODES/);
    }
    close IN;
} else {
    push @out,
"/** =====\n",
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" * Hudson (tjh\@cryptsoft.com).\n",
" *\n",

```

```

" */\n",
"\n",
"#ifndef HEADER_${lib}_ERR_H\n",
"#define HEADER_${lib}_ERR_H\n",
"\n",
#ifdef __cplusplus\n",
"extern \"C\" {\n",
"#endif\n",
"\n",
"/* BEGIN ERROR CODES */\n";
}

open (OUT, ">$hfile") || die "Can't Open File $hfile for writing\n";

print OUT @out;
undef @out;
print OUT <<"EOF";
/* The following lines are auto generated by the script mkerr.pl. Any changes
* made after this point may be overwritten when the script is next run.
*/
EOF
if($static) {
    print OUT <<"EOF";
    ${staticloader}void ERR_load_${lib}_strings(void);

EOF
} else {
    print OUT <<"EOF";
    ${staticloader}void ERR_load_${lib}_strings(void);
    ${staticloader}void ERR_unload_${lib}_strings(void);
    ${staticloader}void ERR_${lib}_error(int function, int reason, char
    *file, int line);
    #define ${lib}err(f,r) ERR_${lib}_error((f),(r),__FILE__,__LINE__)

EOF
}
print OUT <<"EOF";
/* Error codes for the $lib functions. */

/* Function codes. */
EOF

foreach $i (@function) {
    $z=6-int(length($i)/8);
    if($fcodes{$i} eq "X") {
        $fassigned{$lib} =~ m/^([:^:]*):/;
        $findcode = $1;
        if (!defined($findcode)) {
            $findcode = $fmax{$lib};

```



```

}
while ($fassigned{$lib} =~ m/:$findcode:/) {
    $findcode++;
}
$fcodes{$i} = $findcode;
$fassigned{$lib} .= "$findcode:";
print STDERR "New Function code $i\n" if $debug;
}
printf OUT "#define $i%s $fcodes{$i}\n", "\t" x $z;
}

```

```

print OUT "\n/* Reason codes. */\n";

```

```

foreach $i (@reasons) {
    $z=6-int(length($i)/8);
    if($rcodes{$i} eq "X") {
        $rassigned{$lib} =~ m/^\([^:]*\):/;
        $findcode = $1;
        if (!defined($findcode)) {
            $findcode = $rmax{$lib};
        }
        while ($rassigned{$lib} =~ m/:$findcode:/) {
            $findcode++;
        }
        $rcodes{$i} = $findcode;
        $rassigned{$lib} .= "$findcode:";
        print
STDERR "New Reason code  $i\n" if $debug;
    }
    printf OUT "#define $i%s $rcodes{$i}\n", "\t" x $z;
}
print OUT <<"EOF";

```

```

#ifdef __cplusplus
}
#endif
#endif
EOF
close OUT;

```

```

# Rewrite the C source file containing the error details.

```

```

# First, read any existing reason string definitions:
my %err_reason_strings;
if (open(IN,"<$cfile")) {
    while (<IN>) {
        if (/^b($lib)_R_\w*)\b.*\(".*"\)/) {
            $err_reason_strings{$1} = $2;
        }
    }
}

```

```

    }
    if (/^b${lib}_F_(w*)b.*\"(.*)\"/) {
    if (!exists $ftrans{$1} && ($1 ne $2)) {
        print STDERR "WARNING: Mismatched function string $2\n";
        $ftrans{$1} = $2;
    }
    }
    }
close(IN);
}

my $hincf;
if($static) {
    $hfile =~ /([^\v]+)$/;
    $hincf = "<${hprefix}$1>";
} else {
    $hincf = "\"$hfile\"";
}

# If static we know the error code at compile time so use it
# in error definitions.

if ($static)
{
    $pack_errcode = "ERR_LIB_${lib}";
    $load_errcode = "0";
}
else
{
    $pack_errcode = "0";
    $load_errcode = "ERR_LIB_${lib}";
}

open
(OUT,">$file") || die "Can't open $file for writing";

print OUT <<"EOF";
/* $file */
/* =====
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- \*/

```

/* NOTE: this file was auto generated by the mkerr.pl script: any changes
* made to it will be overwritten when the script next updates this file,
* only reason strings will be preserved.
*/

```

```

#include <stdio.h>

```

```

#include <openssl/err.h>

```

```

#include

```

```

$hincf

```

```

/* BEGIN ERROR CODES */

```

```

#ifndef OPENSSL_NO_ERR

```

```

#define ERR_FUNC(func) ERR_PACK($pack_errcode,func,0)

```

```

#define ERR_REASON(reason) ERR_PACK($pack_errcode,0,reason)

```

```

static ERR_STRING_DATA ${lib}_str_funcs[]=

```

```

{

```

```

EOF

```

```

# Add each function code: if a function name is found then use it.

```

```

foreach $i (@function) {

```

```

    my $fn;

```

```

    $i =~ /^${lib}_F_(\S+)/;

```

```

    $fn = $1;

```

```

    if(exists $ftrans{$fn}) {

```

```

        $fn = $ftrans{$fn};

```

```

    }

```

```

# print OUT "{ERR_PACK($pack_errcode,$i,0),\t"$fn"}\n";

```

```

    print OUT "{ERR_FUNC($i),\t"$fn"}\n";

```

```

}

```

```

print OUT <<"EOF";

```

```

{0,NULL}

```

```

};

```

```

static ERR_STRING_DATA ${lib}_str_reasons[]=

```

```

{

```

```

EOF

```

```

# Add each reason code.

```

```

foreach $i (@reasons) {

```

```

    my $rn;

```

```

    my $rstr = "ERR_REASON($i)";

```

```

    my $nspc = 0;

```

```

    if (exists $err_reason_strings{$i}) {

```

```

        $rn = $err_reason_strings{$i};

```

```

    } else {

```

```

        $i =~ /^${lib}_R_(\S+)/;

```

```

        $rn = $1;

```

```

        $rn =~ tr/_/[A-Z]/ [a-z]/;

```

```

    }
    $nspc = 40 - length($rstr) unless length($rstr) > 40;
    $nspc = " " x $nspc;
    print OUT "{$rstr}${nspc},\"$m\\",\n";
    }
if($static)
{
    print OUT <<"EOF";
    {0,NULL}
};

#endif

${staticloader}void ERR_load_${lib}_strings(void)
{
#ifdef OPENSSSL_NO_ERR

    if (ERR_func_error_string(${lib}_str_functs[0].error) == NULL)
    {
        ERR_load_strings($load_errcode,${lib}_str_functs);
        ERR_load_strings($load_errcode,${lib}_str_reasons);
    }
#endif
}
EOF
} else {
    print OUT <<"EOF";
    {0,NULL}
};

#endif

#ifdef ${lib}_LIB_NAME
static ERR_STRING_DATA ${lib}_lib_name[]=
{
    {0,${lib}_LIB_NAME},
    {0,NULL}
};
#endif

static int ${lib}_lib_error_code=0;
static int ${lib}_error_init=1;

${staticloader}void ERR_load_${lib}_strings(void)
{
    if (${lib}_lib_error_code == 0)
        ${lib}_lib_error_code=ERR_get_next_error_library();

```

```

if (${lib}_error_init)
{
    ${lib}_error_init=0;
#ifdef OPENSSSL_NO_ERR
    ERR_load_strings(${lib}_lib_error_code,${lib}_str_functs);
    ERR_load_strings(${lib}_lib_error_code,${lib}_str_reasons);
#endif

#ifdef ${lib}_LIB_NAME
    ${lib}_lib_name->error = ERR_PACK(${lib}_lib_error_code,0,0);
    ERR_load_strings(0,${lib}_lib_name);
#endif
}

${staticloader}void
ERR_unload_${lib}_strings(void)
{
    if (${lib}_error_init == 0)
    {
#ifdef OPENSSSL_NO_ERR
        ERR_unload_strings(${lib}_lib_error_code,${lib}_str_functs);
        ERR_unload_strings(${lib}_lib_error_code,${lib}_str_reasons);
#endif
    }

#ifdef ${lib}_LIB_NAME
        ERR_unload_strings(0,${lib}_lib_name);
    #endif
    ${lib}_error_init=1;
}

${staticloader}void ERR_${lib}_error(int function, int reason, char *file, int line)
{
    if (${lib}_lib_error_code == 0)
        ${lib}_lib_error_code=ERR_get_next_error_library();
    ERR_PUT_error(${lib}_lib_error_code,function,reason,file,line);
}
EOF

}

close OUT;
undef %err_reason_strings;
}

if($debug && defined(%notrans)) {

```

```

print STDERR "The following function codes were not translated:\n";
foreach(sort keys %notrans)
{
    print STDERR "$_\n";
}

# Make a list of unreferenced function and reason codes

foreach (keys %fcodes) {
    push (@funref, $_) unless exists $ufcodes{$_};
}

foreach
(keys %rcodes) {
    push (@runref, $_) unless exists $urcodes{$_};
}

if($debug && defined(@funref) ) {
    print STDERR "The following function codes were not referenced:\n";
    foreach(sort @funref)
    {
        print STDERR "$_\n";
    }
}

if($debug && defined(@runref) ) {
    print STDERR "The following reason codes were not referenced:\n";
    foreach(sort @runref)
    {
        print STDERR "$_\n";
    }
}

if($errcount) {
    print STDERR "There were errors, failing...\n\n";
    exit $errcount;
}

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 \* /ciscossl-fom-6-2a-201703281752-tar-gz/ciscossl-fom-6.2a.201703281752/fips/aes/fips\_aesavs.c  
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/\*  
 tlhelp32.h - Include file for Tool help functions.

Written by Mumit Khan <khan@nanotech.wisc.edu>

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\*

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## 1.127 python-pysnmp 4.4.12

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Metadata-Version: 1.2

Name: pysnmp

Version: 4.4.12

Summary: SNMP library for Python

Home-page: <https://github.com/etingof/pysnmp>

Author: Ilya Etingof

Author-email: [etingof@gmail.com](mailto:etingof@gmail.com)

Maintainer: Ilya Etingof <[etingof@gmail.com](mailto:etingof@gmail.com)>

License: BSD

Description:

SNMP v1/v2c/v3 engine and Standard Applications suite written in pure-Python.  
Supports Manager/Agent/Proxy roles, Manager/Agent-side MIBs, asynchronous operation and multiple network transports.

Platform: any

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Console

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: Education

Classifier: Intended Audience :: Information Technology

Classifier: Intended Audience :: System Administrators

Classifier: Intended Audience :: Telecommunications Industry

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Classifier: Natural Language :: English

Classifier:

Operating System :: OS Independent

Classifier: Programming Language :: Python :: 2

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Classifier: Programming Language :: Python :: 2.5

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if mibBuilder.loadTexts: snmpUsmHmacSha2MIB.setDescription("Definitions of Object Identities needed for the use of HMAC-SHA2 Authentication Protocols by SNMP's User-based Security Model. Copyright (c) 2016 IETF Trust and the persons identified as authors of the code. All rights reserved. Redistribution and use in source and binary forms, with or without modification, is permitted pursuant to, and subject to the license terms contained in, the Simplified BSD License set forth in Section 4.c of the IETF Trust's Legal Provisions Relating to IETF Documents (<http://trustee.ietf.org/license-info>).")

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- \* /pysnmp-4-4-12-tar-gz/pysnmp-4.4.12/pysnmp/carrier/asyncio/dgram/udp.py
- \* /pysnmp-4-4-12-tar-gz/pysnmp-4.4.12/pysnmp/carrier/asyncio/dispatch.py
- \* /pysnmp-4-4-12-tar-gz/pysnmp-4.4.12/pysnmp/carrier/asyncio/dgram/base.py

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## 1.129 python-pyparsing 2.4.7

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## 1.135 python-certifi 2020.4.5.2

### 1.135.1 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 \$

# 1.136 python-click 7.1.2

## 1.136.1 Available under license :

BSD-3-Clause

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

Metadata-Version: 1.2

Name: click

Version: 7.1.2

Summary: Composable command line interface toolkit

Home-page: <https://palletsprojects.com/p/click/>

Maintainer: Pallets

Maintainer-email: [contact@palletsprojects.com](mailto:contact@palletsprojects.com)

License: BSD-3-Clause

Project-URL: Documentation, <https://click.palletsprojects.com/>

Project-URL: Code, <https://github.com/pallets/click>

Project-URL: Issue tracker, <https://github.com/pallets/click/issues>

Description: \ \$ click\\_

=====

Click is a Python package for creating beautiful command line interfaces in a composable way with as little code as necessary. It's the "Command Line Interface Creation Kit". It's highly configurable but comes with sensible defaults out of the box.

It aims to make the process of writing command line tools quick and fun while also preventing any frustration caused by the inability to implement an intended CLI API.

Click in three points:

- Arbitrary nesting of commands
- Automatic help page generation
- Supports lazy loading of subcommands at runtime

Installing

-----

Install and update using `pip`\_:

.. code-block:: text

```
$ pip install -U click
```

.. \_pip: <https://pip.pypa.io/en/stable/quickstart/>



## A Simple Example

-----

.. code-block:: python

```
import click

@click.command()
@click.option("--count", default=1, help="Number of greetings.")
@click.option("--name", prompt="Your name", help="The person to greet.")
def hello(count, name):
    """Simple program that greets NAME for a total of COUNT times."""
    for _ in range(count):
        click.echo(f"Hello,
{name}!")

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

.. code-block:: text

```
$ python hello.py --count=3
Your name: Click
Hello, Click!
Hello, Click!
Hello, Click!
```

## Donate

-----

The Pallets organization develops and supports Click and other popular packages. In order to grow the community of contributors and users, and allow the maintainers to devote more time to the projects, `please donate today`\_.

.. \_please donate today: <https://palletsprojects.com/donate>

## Links

-----

- Website: <https://palletsprojects.com/p/click/>
- Documentation: <https://click.palletsprojects.com/>
- Releases: <https://pypi.org/project/click/>
- Code: <https://github.com/pallets/click>

- Issue tracker: <https://github.com/pallets/click/issues>
- Test status: [https://dev.azure.com/pallets/click/\\_build](https://dev.azure.com/pallets/click/_build)
- Official chat: <https://discord.gg/t6rrQZH>

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 2

Classifier: Programming Language :: Python :: 3

Requires-Python: >=2.7, !=3.0.\*, !=3.1.\*, !=3.2.\*, !=3.3.\*, !=3.4.\*

Found in path(s):

\* /click-7-1-2-tar-gz/click-7.1.2/src/click.egg-info/PKG-INFO

\* /click-7-1-2-tar-gz/click-7.1.2/PKG-INFO

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Found in path(s):

\* /click-7-1-2-tar-gz/click-7.1.2/src/click/parser.py

## 1.137 python-subprocess32 3.5.4

### 1.137.1 Available under license :

#### A. HISTORY OF THE SOFTWARE

=====

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

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

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

Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| 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                 |
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| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
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| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
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| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes                 |
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |
| 2.6.5          | 2.6.4        | 2010      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
| 3.1   | 3.0.1 | 2009 | PSF | yes |
| 3.1.1 | 3.1   | 2009 | PSF | yes |
| 3.1.2 | 3.1   | 2010 | PSF | yes |

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## 1.138 python-typing 3.7.4.1

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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.

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| 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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## 1.139 python-functools32 3.2.3-2

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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 (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  
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All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
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| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
| 2.5.3          | 2.5.2        | 2008      | PSF        | yes                 |
| 2.6            | 2.5          | 2008      | PSF        | yes                 |
| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes                 |
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |
| 2.6.5          | 2.6.4        | 2010      | PSF        | yes                 |
| 3.0            | 2.6          | 2008      | PSF        | yes                 |
| 3.0.1          | 3.0          | 2009      | PSF        | yes                 |
| 3.1            | 3.0.1        | 2009      | PSF        | yes                 |
| 3.1.1          | 3.1          | 2009      | PSF        | yes                 |

|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 3.1.2 | 3.1.1 | 2010 | PSF | yes |
| 3.1.3 | 3.1.2 | 2010 | PSF | yes |
| 3.1.4 | 3.1.3 | 2011 | PSF | yes |
| 3.2   | 3.1   | 2011 | PSF | yes |
| 3.2.1 | 3.2   | 2011 |     |     |
| PSF   | yes   |      |     |     |
| 3.2.2 | 3.2.1 | 2011 | PSF | yes |
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## 1.147 pam-ldap 186

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## 1.150 python-zope-hookable 5.0.1

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Coverage.py was originally written by Gareth Rees, and since 2004 has been extended and maintained by Ned Batchelder.

Other contributions, including writing code, updating docs, and submitting useful bug reports, have been made by:

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## 1.153 python-acme 0.40.1

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# 1.155 python-parsedatetime 2.5

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## 1.156 python-pyobject 2.28.6

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Any

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# 1.157 stringencoders 3.10.3

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# 1.158 megactl 0.4.1

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## 1.159 python-bidict 0.18.3

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## Contributors

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\* 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](mailto: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](mailto:brian@btoconnor.net)>

\* Non-multipart encoding for POST requests



\* p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>

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\* Python 3 support

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\* Support for explicitly closing pooled connections

\* hartator <[hartator@gmail.com](mailto:hartator@gmail.com)>

\* Corrected multipart behavior for params

\* Thomas Weischuh <[thomas@t-8ch.de](mailto: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](mailto:mig@ibofobi.dk)>

\* Optional SNI-support for Python 2 via PyOpenSSL.

\* Marc Schlaich <[marc.schlaich@gmail.com](mailto:marc.schlaich@gmail.com)>

\* Various bugfixes and test improvements.

\* Bryce Boe <[bbzbryce@gmail.com](mailto:bbzbryce@gmail.com)>

\* Correct six.moves conflict

\* Fixed pickle support of some exceptions

\* Boris Figovsky <[boris.figovsky@ravellosystems.com](mailto:boris.figovsky@ravellosystems.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@elastichosts.com>
  - \* Fixed a race condition
- 
- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  - \* Added HTTPS (CONNECT) proxy support
- 
- \* Stephen Holsapple <sholsapp@gmail.com>
  - \* Added abstraction for granular control of request fields
- 
- \* Martin von Gagern <Martin.vGagern@gmx.net>
  - \* Support for non-ASCII header parameters
- 
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
  - \* Support for separate connect and request timeouts
- 
- \* Peter Waller <p@pwaller.net>
  - \* HTTPResponse.tell() for determining amount received over the wire
- 
- \* Nipunn Koorapati <nipunn1313@gmail.com>
  - \* Ignore default ports when comparing hosts for equality
- 
- \* Danilo @dbrgn <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](mailto:jayvdb@gmail.com)>
- \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.com)>
- \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
- \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jess Shapiro <[jesse@jesseshapiro.net](mailto: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](mailto:jeremy@jcline.org)>
- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <[palaviv@gmail.com](mailto:palaviv@gmail.com)>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <[nate.prewitt@gmail.com](mailto: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](mailto:chris.jerdonek@gmail.com)>
- \* Remove a spurious TypeError from the exception chain inside  
HTTPConnectionPool.\_make\_request(), also for BaseExceptions.
  
- \* Jorge Lopez Silva <<https://github.com/jalopezsilva>>
- \* Added support for forwarding requests through HTTPS proxies.
  
- \* Benno Rice <[benno@jeamland.net](mailto:benno@jeamland.net)>
- \* Allow cadata parameter to be passed to underlying ``SSLContext.load\_verify\_locations()``.
  
- \* Keiichi Kobayashi <[abok.1k@gmail.com](mailto:abok.1k@gmail.com)>
- \* Rename VerifiedHTTPSConnection to HTTPSConnection
  
- \* Himanshu Garg <[garg\\_himanshu@outlook.com](mailto:garg_himanshu@outlook.com)>
- \* DOC & LICENSE Update
  
- \* Hod Bin Noon <[bin.noon.hod@gmail.com](mailto:bin.noon.hod@gmail.com)>
- \* Test improvements
  
- \* Chris Olufson <[tycarac@gmail.com](mailto:tycarac@gmail.com)>
- \* Fix for connection not being released on HTTP redirect and response not preloaded
  
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

# 1.162 python-appdirs 1.4.4

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# 1.163 python-chardet 3.0.4

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## 1.164 python-josepy 1.3.0

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

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@end enumerate

@heading END OF TERMS AND CONDITIONS

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To

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

@smallexample

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

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`@end smallexample`

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

`@smallexample`

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`@c man end`

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Version 2.1, February 1999

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The

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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## 1.172 kerberos 1.18.2

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

- lib/gssapi/generic/gssapi\_err\_generic.et
- lib/gssapi/mechglue/g\_accept\_sec\_context.c
- lib/gssapi/mechglue/g\_acquire\_cred.c
- lib/gssapi/mechglue/g\_canon\_name.c
- lib/gssapi/mechglue/g\_compare\_name.c
- lib/gssapi/mechglue/g\_context\_time.c
- lib/gssapi/mechglue/g\_delete\_sec\_context.c
- lib/gssapi/mechglue/g\_dsp\_name.c
- lib/gssapi/mechglue/g\_dsp\_status.c
- lib/gssapi/mechglue/g\_dup\_name.c
- lib/gssapi/mechglue/g\_exp\_sec\_context.c
- lib/gssapi/mechglue/g\_export\_name.c
- lib/gssapi/mechglue/g\_glue.c
- lib/gssapi/mechglue/g\_imp\_name.c
- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
- lib/gssapi/mechglue/g\_inquire\_context.c
- lib/gssapi/mechglue/g\_inquire\_cred.c
- lib/gssapi/mechglue/g\_inquire\_names.c
- lib/gssapi/mechglue/g\_process\_context.c
- lib/gssapi/mechglue/g\_rel\_buffer.c
- lib/gssapi/mechglue/g\_rel\_cred.c
- lib/gssapi/mechglue/g\_rel\_name.c
- lib/gssapi/mechglue/g\_rel\_oid\_set.c
- lib/gssapi/mechglue/g\_seal.c
- lib/gssapi/mechglue/g\_sign.c
- lib/gssapi/mechglue/g\_store\_cred.c
- lib/gssapi/mechglue/g\_unseal.c
- lib/gssapi/mechglue/g\_userok.c
- lib/gssapi/mechglue/g\_utils.c
- lib/gssapi/mechglue/g\_verify.c
- lib/gssapi/mechglue/gssd\_pname\_to\_uid.c
- lib/gssapi/mechglue/mglueP.h
- lib/gssapi/mechglue/oid\_ops.c
- lib/gssapi/spnego/gssapiP\_spnego.h
- lib/gssapi/spnego/spnego\_mech.c

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

- include/ipropr\_hdr.h
- kadmin/server/iproprd\_svc.c

lib/kdb/iprop.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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@heading 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.

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

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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along with this program; if not, write to the Free Software  
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@end smallexample

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

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

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

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commands you use may be called something other than @samp{show w} and  
@samp{show c}; they could even be mouse-clicks or menu items---whatever  
suits your program.

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

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

@var{signature of Ty Coon}, 1 April 1989



Ty Coon, President of Vice  
@end example

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

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

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

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

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

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

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For an executable, the required form of the "work that uses the



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# 1.176 pam 1.3.1

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## 1.177 gzip 1.10

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Files: progs/tset.c ncurses/tinfo/read\_termcap.c

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-- vile: txtmode file-encoding=utf-8

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

Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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Files: \*

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This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

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-- vile: txtmode file-encoding=utf-8

## 1.182 udev 167

### 1.182.1 Available under license :

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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

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

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

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.

## 1.200 cracklib 2.9.7

### 1.200.1 Available under license :

#### GNU LESSER GENERAL PUBLIC LICENSE Version 2.1, February 1999

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^L

Finally,  
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^L

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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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^L

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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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with any other library

facilities. This must be distributed under the terms of the Sections above.

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file to most  
effectively convey the exclusion of warranty; and each file should  
have at least the "copyright" line and a pointer to where the full  
notice is found.

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

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

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your  
school, if any, to sign a "copyright disclaimer" for the library, if  
necessary. Here is a sample; alter the names:

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

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

That's all there is to it!

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

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



[Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=  
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists  
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly  
and see if he wants to relicense his code as LGPL... but at this point,  
it was enough to just get it consistent and documented as to what it was  
released under. This wasn't actually a license change, just a  
clarification of the licensing that was already in place.=20

-- Nathan

=20

-----  
Nathan Neulinger EMail: nneul@um...

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

UMR Information Technology Fax: (573) 341-4216

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

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

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

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan

wrote:

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

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

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

Re: [Cracklib-devel]

cracklib license

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

-- Nathan  
=20

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

- > -----Original Message-----
- > From: cracklib-devel-bounces@li...
- > [mailto:cracklib-devel-bounces@li...] On Behalf Of
- > Mike Frysinger
- > Sent: Monday, October 01, 2007 8:33 PM
- > To: Neulinger, Nathan
- > Cc: cracklib-devel@li...; Alec Muffett
- > Subject: Re: [Cracklib-devel] cracklib license
- > =20
- > On Monday 01 October 2007, Neulinger, Nathan wrote:

> > I understand that, and you're welcome to bring it up with Alec  
> directly  
> > and see if he wants to relicense his code as LGPL... but at this  
> point,  
> > it was enough to just get it consistent and documented as to what  
> it was  
> > released under. This wasn't actually a license change, just a  
> > clarification of the licensing that was already in place.  
>=20  
> the original license (before moving to sourceforge -- aka, 2.7) was  
> not  
> GPL-2 ... it was a modified artistic license ... i didnt notice the  
> license  
> change until it was mentioned in the latest notes.  
>=20  
> unlike the old license, GPL-2 prevents people from using cracklib  
> unless their  
> applications are also GPL-2 which imo is just wrong. it isnt the  
> place of a  
> library  
to dictact to application writes what license they should  
> be using.  
> thus LGPL-2.1 enters to fill this void.  
> -mike

Re: [Cracklib-devel] cracklib license

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

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

I am sympathetic. Guys, what do you reckon?

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

-a

Re: [Cracklib-devel] cracklib license

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

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

think it is in everyone's

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

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

Devin

--

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

Re: [Cracklib-devel] cracklib license

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

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

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

code, so whatever licensing y'all come up with is fine

> > by me.

>

> I am sympathetic. Guys, what do you reckon?

>

> What I am hearing so far is that LGPL makes sense, since it can be

> linked with any code, not just GPL...

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

On Monday 28 January 2008, Nalin Dahyabhai wrote:

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

> > > Seems like the ideal thing here would be for you and the other distro

> > > maintainers to get together with Alec in a conversation and come to a

> > > decision as to what licensing scheme y'all want. I haven't really done

> > > much other than cleaning up the packaging and patches and a small

> > > bit of

> > > additional code, so whatever licensing y'all come up with is fine

> > > by me.

> >

> > I am sympathetic. Guys, what do you reckon?

> >

> > What I am hearing so far is that LGPL makes sense, since it can be

> > linked with any code, not just GPL...

>

> My apologies for not chiming in in anything resembling a reasonable

> timeframe.

>

> I'd also suggest the LGPL, for the reason you noted above. Alternately,

> GPLv2 with the option of using

the library under a later version of the

> GPL would permit applications which were released under version 3 of the

> GPL to use the library, too, which would be sufficient for the packages

> which are included in Fedora. FWIW, I'd personally lean toward LGPL.

>

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

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

-mike

Re: [Cracklib-devel] cracklib license

From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18

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

>

> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make

> the change now ?

yes. go for it. thanks++

-a

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

Attachments: Message as HTML

On Sunday 05 October

2008, Alec Muffett wrote:

> >> In any case, I thank you both for working on sorting this out.  
> >  
> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we  
> > make the change now ?  
>  
> yes. go for it. thanks++

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

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

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

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

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

-----  
From  
alecm@crypticide.com Mon Oct 1 12:26:03 2007  
Received: from umr-exproto2.cc.umn.edu ([131.151.0.192]) by UMR-CMAIL1.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:03 -0500  
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umn.edu with Microsoft SMTPSVC(6.0.3790.3959);  
Mon, 1 Oct 2007 12:26:02 -0500  
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000  
Received: from smtp1.srv.mst.edu (131.151.1.43)  
by scanin-ipvs.cc.umn.edu with SMTP; 1 Oct 2007 16:59:55 -0000

Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])  
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxtpr020623  
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500  
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])  
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311  
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)  
Received: from  
[82.68.43.14] (helo=[192.168.1.3])  
by rutherford.zen.co.uk with esmtp (Exim 4.50)  
id 1IcOcX-0004Qt-6L  
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000  
Mime-Version: 1.0 (Apple Message framework v752.2)  
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
References: <1190922867.3457.147.camel@localhost.localdomain>  
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>  
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>  
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed  
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>  
Content-Transfer-Encoding: 7bit  
From: Alec Muffett <alecm@crypticide.com>  
Subject: Re: cracklib license  
Date: Mon, 1 Oct 2007 17:59:46 +0100  
To: Nathan Neulinger <nneul@neulinger.org>  
X-Mailer: Apple Mail (2.752.2)  
X-Originating-Rutherford-IP: [82.68.43.14]  
Return-Path: alecm@crypticide.com  
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]  
Status: RO  
Content-Length:  
585  
Lines: 21

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

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

Happy now? :-)

-a

# 1.201 traffic-server 6.2.3

## 1.201.1 Available under license :

Apache Traffic Server

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ats\_speed - PageSpeed for ATS. Author: [oschaaf@we-amp.com](mailto:oschaaf@we-amp.com) (Otto van der Schaaf)  
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prepare\_psol.sh, ats\_message\_handler.cc and ats\_message\_handler.h for ats\_speed:  
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multiplexer: Plugin for request multiplexing
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~~~

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healthchecks.  
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~~~~

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~~

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The algorithm info can be found at: <https://131002.net/siphash/>

~~

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1.203 openssh 7.5p1

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- RSA is no longer included, found in the OpenSSL library

- IDEA is no longer included, its use is deprecated

- DES is now external, in the OpenSSL library

- GMP is no longer used, and instead we call BN code from OpenSSL

- Zlib is now external, in a library

- The make-ssh-known-hosts script is no longer included

- TSS has been removed

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```
* @version 3.0 (December 2000)
*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
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1.204 grep 3.4

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1.207 shadow 4.8.1

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Version 2, June 1991

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1.208 libcap 2.40

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

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

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

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* `admin/check-style.sh`,

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

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```

<!-- \$Id\$ -->

<!-- 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:for-each>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
```



```

<xsl:call-template name="copyright.years">
  <xsl:with-param name="years" select="year"/>
</xsl:call-template>
<xsl:text> </xsl:text>
<xsl:value-of select="holder"/>
  <xsl:value-of select="$isc.copyright.breakline"/>
<xsl:text>&#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
  </xsl:with-param>
</xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

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

```

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1.218 libedit 3.1

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1.219 pcre 8.44

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Written by: Philip Hazel
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1.220 procps 3.3.15

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1.221 zlib 1.2.11

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

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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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