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```
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```

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

Ty Coon, President of Vice

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1.2 bzip2 1.0.8

1.3 net-tools 1.60

1.3.1 Available under license :

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Version 2, June 1991

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1.4 unzip 60

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5.42, the complete

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- *
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- *
- * by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
- * with significant code contributions by Nitin Ganatra
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- *
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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.

1.5 vlan 1.9

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1.6 mod-authnz-external 3.3.3

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- * Based on code from The Apache Group

- * Previous maintainers:

Tyler Allison (allison@nas.nasa.gov)
Jan Wolter (unixpapa.com)

- * Past contributors (from CHANGES):

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1.8 subprocess32 3.5.4

1.8.1 Available under license :

A. HISTORY OF THE SOFTWARE

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

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

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

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes

2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
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

Footnotes:

(1) GPL-compatible doesn't mean that we're distributing Python under the GPL. All Python licenses, unlike the GPL, let you distribute a modified version without making your changes open source.

The

GPL-compatible licenses make it possible to combine Python with other software that is released under the GPL; the others don't.

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

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

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1.9 opensaml 3.3.1

1.9.1 Available under license :

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@settitle GNU General Public License

@c man begin SEEALSO

gfdl(7), fsf-funding(7).

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@item

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

@item

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 (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be

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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.

@end enumerate

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@smallexample

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@smallexample

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@c man end

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Version 2.1, February 1999

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1.13 libdbusc++ 0.9.0

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

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That's all there is to it!

1.14 nss-ldap 265

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Version 2, June 1991

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Because
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1.15 iana-etc 2.30

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1.16 pam-ldap 186

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

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

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

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

a

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

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

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

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

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

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

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- c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
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1.17 cryptography 3.3.2

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1.18 glibc 0.97

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1.21 sysfsutils 2.1.1

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1.22 stringencoders 3.10.3

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1.24 libstatsd-cpp 0.0

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1.25 python-hyperlink 21.0.0

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1.26 python-pycpuid 0.4

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1.27 python-netifaces 0.11.0

1.27.1 Available under license :

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1.29 log4shib 2.0.1

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1.30 apr 1.7.5

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```
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```
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```

From dso/aix/dso.c:

- * Based on libdl (dlfcn.c/dlfcn.h) which is
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From strings/apr_strnatcmp.c,
include/apr_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
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From
strings/apr_snprintf.c:

- *
- * cvt - IEEE floating point formatting routines.
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1.31 defusedxml 0.7.1

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1.32 log4cxx 0.12.1

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1.33 apr-util 1.6.3

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`misc/unix/getopt.c`,
`file_io/unix/mktemp.c`, `strings/apr_strings.c`:

/*

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```
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```

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```
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```

From strings/apr_strnatcmp.c, include/apr_strings.h:

```
strnatcmp.c -- Perform 'natural order' comparisons of strings in C.
Copyright (C) 2000 by Martin Pool <mbp@humblebug.org.au>
```

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```
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```

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1.36 boost 1.80.0

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

///

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///

[#mpl]
MPL Support, <boost/mp11/mpl.hpp>
:toc:
:toc-title:
:idprefix:

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

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

It's also possible to only enable support for `mp_list` by including `<boost/mp11/mpl_list.hpp>`, and for `std::tuple` by including `<boost/mp11/mpl_tuple.hpp>`. This may be required because some libraries, such as Boost.Fusion, contain their own MPL support for `std::tuple`, which conflicts with Mp11's one.

.Converting an existing MPL Sequence into an `mp_list`
...

```
using L = mpl::copy<Sequence, mpl::back_inserter<mp11::mp_list<>>>::type;
...
```

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```
<!DOCTYPE html>
<html>
<head></head>
<body>
  <h3>
    Copyright Test
  </h3>
  <p class="copyright">
    1963, 1964, 1965 Jane Doe
  </p>
  <p class="copyright">
    2018 Joe Blow, John Coe
  </p>
  <p class="copyright">
    1977, 1985 Someone else
  </p>
</body>
</html>
```

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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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1.37 libconfig 1.7.3

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

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```
{signature of Ty Coon}, 1 April 1990  
Ty Coon, President of Vice
```

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

Upstream-Name: ls-config

Source: <https://github.com/lucas-net-pl/ls-config>

Files: *

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Files: debian/*

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

@c

@c %**start of header

@c All text is ignored before the setfilename.

@setfilename LGPL.info

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@center Version 2.1, February 1999

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@center Preamble
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If such an object file uses only numerical parameters, data structure

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

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}  
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```

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

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```
@format  
@t{  
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  
}  
@end format
```

That's all there is to it!

@c @bye

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```

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Upstream Author: Mark A Lindner

Mark Lindner - Lead developer & maintainer.

Daniel Marjamdki - Enhancements & bugfixes.

Andrew Tytula - Windows Port.

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1.38 mochiweb 3.1.0

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1.39 python-pyobject 3.42.1

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

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1.40 python-webpy 0.62

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Found in path(s):

* /web-py-0-62-tar-gz/web.py-0.62/web/debugerror.py

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from <<http://lfw.org/python/Itpl.py>> (public domain, Ka-Ping Yee)

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Found in path(s):

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* /web-py-0-62-tar-gz/web.py-0.62/web/httpserver.py

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license="Public domain",

"License :: Public Domain",

Found in path(s):

* /web-py-0-62-tar-gz/web.py-0.62/setup.py

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__license__ = "public domain"

Found in path(s):

* /web-py-0-62-tar-gz/web.py-0.62/web/__init__.py

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

Metadata-Version: 2.1

Name: web.py

Version: 0.62

Summary: web.py: makes web apps

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

Author: Aaron Swartz

Author-email: me@aaronsw.com

Maintainer: Anand Chitipothu

Maintainer-email: anandology@gmail.com

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Description: web.py is a web framework for Python that is as simple as it is powerful.

Visit <http://webpy.org/> for more information.

[![build status](<https://secure.travis-ci.org/webpy/webpy.png?branch=master>)](<https://travis-ci.org/webpy/webpy>)

[![Codecov Test Coverage](<https://codecov.io/gh/webpy/webpy/branch/master/graphs/badge.svg?style=flat>)](<https://codecov.io/gh/webpy/webpy>)

The latest stable release `0.62` only supports Python ≥ 3.5 .

To install it, please run:

```

# For Python 3

python3 -m pip install web.py==0.62

```

If you are still using Python

2.7, then please use web.py version 0.51

which is intended to be our last release that supports Python 2.

```

# For Python 2.7

python2 -m pip install web.py==0.51

```

You can also download it from [GitHub Releases](<https://github.com/webpy/webpy/releases>)

page, then install it manually:

```
...  
unzip webpy-0.62.zip  
cd webpy-0.62/  
python3 setup.py install  
...
```

Note: `0.5x` (e.g. 0.50, 0.51) are our last releases which support Python 2.

Note: `0.6x` (e.g. 0.60, 0.61, 0.62) are our last releases which support Python 3.5.

Platform: any

Classifier: License :: Public Domain

Classifier: Programming Language :: Python

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.5

Classifier: Programming Language :: Python :: 3.6

Classifier: Programming Language :: Python :: 3.7

Classifier: Programming Language :: Python :: 3.8

Classifier:

Programming Language :: Python :: 3.9

Requires-Python: >=3.5

Description-Content-Type: text/markdown

Found in path(s):

* /web-py-0-62-tar-gz/web.py-0.62/PKG-INFO

* /web-py-0-62-tar-gz/web.py-0.62/web.py.egg-info/PKG-INFO

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

Adopted from <http://www.zafar.se/bkz/uploads/safe.txt> (public domain, Babar K. Zafar)

Found in path(s):

* /web-py-0-62-tar-gz/web.py-0.62/web/template.py

1.41 python-mox3 1.1.0

1.41.1 Available under license :

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Version 2.0, January 2004

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1.42 gobject-introspection 1.60.0

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Version 2, June 1991

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1.46 collectd 5.12.0

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1.47 autocommand 2.2.2

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1.48 sqlite 3.49.1

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1.49 configargparse 1.7

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1.50 cyrus-sasl 2.1.28

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

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1.59 ifupdown 0.8.41

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1.60 python-werkzeug 2.2.3

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1.61 python-contextlib2 21.6.0

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

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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
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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		
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1.62 python-httplib2 0.22.0

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1.63 pystatsd 4.0.1

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1.64 jitterentropy-rngd 1.2.8

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A: Yes, that's exactly the point of open source. Works derived from the plugins will have to use the GPL license, but you can choose to use LGPL for them as well.

Q: Do I need to sign a Contributory License Agreement in order for my contribution to be accepted?

A: No, starting with syslog-ng 3.2, you don't need to sign a CLA in order to have your contributions accepted.

Q: Is it possible to create non-free plugins for syslog-ng?

A: Yes. It is our understanding that plugins are derived works of the

syslog-ng core but not derived works of other plugins. Thus, non-free plugins are possible, provided they do not link to any of the GPLd plugins explicitly and the only connection between two plugins is via the syslog-ng core.

Q: Who is permitted to create non-free plugins for syslog-ng?

Is it just

BalaBit (the current copyright holder as of the initial 3.2 release)?

A: No, everyone including BalaBit.

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1.77 tomli 2.0.1

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1.78 pyinotify 0.9.6

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1.79 backports.tarfile 1.2.0

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1.80 python-requests 2.32.3

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1.81 zipp 3.19.2

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1.82 wheel 0.43.0

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1.83 zlib 1.3.1

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1.84 smartmontools 7.4

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```

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```
Gnomovision version 69, Copyright (C) year name of author  
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it  
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```

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```
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```

<signature of Ty Coon>, 1 April 1989

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1.85 mpfr 4.2.1

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```

/*****
* NCSA HTTPd Server
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* 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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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)

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<!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=UTF-8" http-equiv="Content-Type" />
<!--
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X
        This file is generated from xml source: DO NOT EDIT
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X
-->
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<link href="/.style/css/manual-loose-100pc.css" rel="alternate stylesheet" media="all" type="text/css" title="No
Sidebar - Default font size" />
<link href="/.style/css/manual-print.css" rel="stylesheet" media="print" type="text/css" /><link rel="stylesheet"
type="text/css" href="/.style/css/prettify.css"
/>
<script src="/.style/scripts/prettify.min.js" type="text/javascript">
</script>

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<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
href="/sitemap.html">Sitemap</a></p>
<p class="apache">Apache HTTP Server Version 2.4</p>
</div>
<div class="up"><a href="/"></a></div>
<div id="path">
<a href="http://www.apache.org/">Apache</a> &gt; <a href="http://httpd.apache.org/">HTTP Server</a> &gt; <a
href="http://httpd.apache.org/docs/">Documentation</a> &gt; <a href="/">Version 2.4</a></div><div id="page-
content"><div id="preamble"><h1>The Apache License, Version 2.0</h1>
<div class="toplang">
<p><span>Available
Languages: </span><a href="/en/license.html" title="English">&nbsp;en&nbsp;&nbsp;&nbsp;</a></p>
</div>

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<ol>
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```
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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
```

```
class="section"><h2><a id="comments_section" name="comments_section">Comments</a></h2><div
```

```
class="warning"><strong>Notice:</strong><br
```

```
/>This is not a Q&A section. Comments placed here should be pointed towards suggestions on improving the
```

```
documentation or server, and may be removed by our moderators if they are either implemented or considered
```

```
invalid/off-topic. Questions on how to manage the Apache HTTP Server should be directed at either our IRC
```

```
channel, #httpd, on Libera.chat, or sent to our <a href="https://httpd.apache.org/lists.html">mailing lists</a>.</div>
```

```
<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>');
```

```
  }
```

```
})(window, document);
```

```
//><![></script></div><div id="footer">
```

```
<p class="apache">Copyright 2024 The Apache Software Foundation.<br />Licensed under the <a
```

```
href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
```

```
<p class="menu"><a href="/mod/">Modules</a> | <a href="/mod/directives.html">Directives</a> | <a
```

```
href="http://wiki.apache.org/httpd/FAQ">FAQ</a> | <a href="/glossary.html">Glossary</a> | <a
```



```
href="/sitemap.html">Sitemap</a></p></div><script type="text/javascript"><!--><![CDATA[//><!--  
if (typeof(prettyPrint) !== 'undefined') {  
    prettyPrint();  
}  
//--><![></script>  
</body></html>
```

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1.93 pciutils 3.13.0

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1.94 ciscossh 1.13.48.11

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- *

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1.104 megactl 0.4.3

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1.105 kerberos 1.21.3

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cmd/krb5/iprop/iprop_hdr.h
cmd/krb5/kadmin/server/ipropd_svc.c
cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

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

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

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

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

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1.108 tdb 1.47.1

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Samba temporary memory allocation functions

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1.109 e2fsprogs 1.47.1

1.109.1 Available under license :

Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

*/

/*

- Unix SMB/CIFS implementation.

+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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

numbered 2 because it goes with version 2 of the ordinary GPL.]

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Activities

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!

```
#
# 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): $(OBS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBS))
$(MV) pic/$(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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Upstream-Name: e2fsprogs

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

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

Comment:

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>.

Files: *

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2001 Alcove <<http://www.alcove.com/>>

1997 Klee Dienes

1995-1996 Michael Nonweiler <mrn20@cam.ac.uk>

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Files: lib/et/*

lib/ss/*

Copyright: 1987-1988 MIT Student Information Processing Board

2003 Theodore Ts'o

License: Expat

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Files: lib/et/vfprintf.c

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Files: lib/et/com_right.c

Comment: Taken from lib/com_err/error.c from Kerberos4kth distribution.

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Files: lib/et/test_cases/imap_err.et

Copyright: 1994-2008 Carnegie Mellon University.

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Files: lib/ext2fs/*

lib/e2p/*

lib/support/print_fs_flags.c

misc/e2fuzz.c

Copyright: 1995-1999, 2002, 2004-2006 Theodore Ts'o <tytso@mit.edu>

1992-1994 Remy Card <card@masi.ibp.fr>

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2012 Intel Corporation

2001 Daniel Phillips

2002 Theodore Ts'o.

2002 Andreas Dilger

2006 Cluster File Systems, Inc.

2006, 2007 by Andreas Dilger <adilger@clusterfs.com>

2003,2004 Cluster File Systems, Inc <info@clusterfs.com>

1995 Theodore Ts'o.

2003 VMware, Inc.

2015 Jan Kara

2018 Collabora Ltd.

1997 Theodore Ts'o

1997 Mark Habersack

2011 Whamcloud, Inc.

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Files: lib/ext2fs/kernel-jbd.h

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Files: lib/ext2fs/nls_utf8.c

lib/ext2fs/utf8n.h

util/mkutf8data.c

Copyright: 2014 SGI

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Files: lib/ext2fs/crc16.*

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Files: lib/ext2fs/crc32c*

Copyright:

August 26, 2011 Darrick J. Wong <djwong at us.ibm.com>

Reuse Bob Pearson's slice-by-8 implementation
for e2fsprogs.

.

July 20, 2011 Bob Pearson <rpearson at systemfabricworks.com>

...

Oct 15, 2000 Matt Domsch <Matt_Domsch@dell.com>

...

Oct 12, 2000 Matt Domsch <Matt_Domsch@dell.com>

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Files: e2fsck/*
debugfs/do_journal.c
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debugfs/logdump.c
debugfs/xattrs.c
lib/support/plausible.c
misc/fuse2fs.c
misc/fsmmap.h
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misc/uuidgen.1.in

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Files: misc/create_inode.c

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1.110 pyasn1-modules 0.4.1

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1.111 idna 3.10

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1.112 tcpdump 4.99.5

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```
# -*- perl -*-
```

```
$testlist = [  
    # This specific test fails on OpenBSD because the .pcap file uses DLT_RAW,  
    # which OpenBSD treats as DLT_LOOP.  
    {  
        config_unset => 'IS_OPENBSD',  
        name => 'heap-overflow-1',  
        input => 'heap-overflow-1.pcap',  
        output => 'heap-overflow-1.out',  
        args => '-v'  
    },  
];  
  
1;
```

1.113 configobj 5.0.9

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1.114 jaraco-functools 4.1.0

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1.115 jaraco.collections 5.1.0

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1.116 bash 5.2.37

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1.118 jwcrypto 1.5.6

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1.119 markupsafe 3.0.2

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1.120 service-identity 24.2.0

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```
```{include} ../README.md
:parser: myst_parser.sphinx_
:start-after: "## Credits"
:end-before: "### *service-identity* for Enterprise"
```
```

1.121 packaging 24.2

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1.122 pyasn1 0.6.1

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ASN.1 library for Python

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This is a free and open source implementation of ASN.1 types and codecs
as a Python package. It has been first written to support particular
protocol (SNMP) but then generalized to be suitable for a wide range
of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

****NOTE:****

The package is now maintained by *Christian Heimes* and
Simon Pichugin in project <https://github.com/pyasn1/pyasn1>.

Features

- * Generic implementation of ASN.1 types (X.208)
- * Standards compliant BER/CER/DER codecs
- * Can operate on streams of serialized data
- * Dumps/loads ASN.1 structures from Python types
- * 100% Python, works with Python 3.8+
- * MT-safe
- * Contributed ASN.1 compiler [Asn1ate](<https://github.com/kimgr/asn1ate>)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology.

Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.
[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
 id INTEGER,
 room [0] INTEGER OPTIONAL,
 house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```

```python
class Record(Sequence):
 componentType = NamedTypes(
 NamedType('id', Integer()),
 OptionalNamedType(
 'room', Integer().subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
)
),
 DefaultedNamedType(
 'house', Integer(0).subtype(
 implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
)
)
)
)
```

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
0000:
30 07 02 01 7B 80 02 01 41
```

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can

introspect, modify, encode and send back.

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321,
 'house': 0}
```
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```
```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and

Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](https://pyasn1.readthedocs.io/en/latest/pyasn1/contents.html), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](https://github.com/pyasn1/pyasn1-modules).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](https://pyasn1.readthedocs.io/en/latest/license.html). Source code is freely available as a GitHub [repo](https://github.com/pyasn1/pyasn1).

You could `pip install pyasn1` or download it from [PyPI](https://pypi.org/project/pyasn1).

If something does not work as expected, [open an issue](https://github.com/epyasn1/pyasn1/issues) at GitHub or post your question [on Stack Overflow](https://stackoverflow.com/questions/ask) or try browsing pyasn1 [mailing list archives](https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/).

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- * /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/char.py
- * /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/base.py
- * /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_opentype.py
- * /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_constraint.py
- * /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/debug.py

```

* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/native/__main__.py
*
/pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_univ.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/constraint.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/ber/test_encoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/univ.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/test_debug.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/der/decoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_tag.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_useful.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/der/test_decoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/ber/test_decoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/tagmap.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/setup.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_namedval.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/__main__.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/cer/test_decoder.py
*
/pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/ber/eoo.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/native/test_decoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/tag.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/codec/cer/decoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/useful.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/compat/integer.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/namedval.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/error.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/opentype.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/base.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/cer/test_encoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/der/__main__.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/der/test_encoder.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_char.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/cer/__main__.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/compat/__main__.py
*
/pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/type/namedtype.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/type/test_namedtype.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1/error.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/ber/__main__.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/test_streaming.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/__main__.py
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/tests/codec/native/test_encoder.py
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```

.. _license:

License

=====

.. include:: ../../LICENSE.rst

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* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/docs/source/license.rst

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Metadata-Version: 2.1

Name: pyasn1

Version: 0.6.1

Summary: Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)

Home-page: <https://github.com/pyasn1/pyasn1>

Author: Ilya Etingof

Author-email: etingof@gmail.com

Maintainer: pyasn1 maintenance organization

Maintainer-email: Christian Heimes <christian@python.org>

License: BSD-2-Clause

Project-URL: Documentation, <https://pyasn1.readthedocs.io>

Project-URL: Source, <https://github.com/pyasn1/pyasn1>

Project-URL: Issues, <https://github.com/pyasn1/pyasn1/issues>

Project-URL: Changelog, <https://pyasn1.readthedocs.io/en/latest/changelog.html>

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

Classifier: License :: OSI Approved :: BSD License

Classifier: Natural Language :: English

Classifier: Operating System :: OS Independent

Classifier: Programming Language :: Python :: 3

Classifier: Programming Language :: Python :: 3.8

Classifier: Programming Language :: Python :: 3.9

Classifier: Programming Language :: Python :: 3.10

Classifier: Programming Language :: Python :: 3.11

Classifier: Programming Language :: Python :: 3.12

Classifier: Programming Language :: Python :: 3.13

Classifier: Programming Language :: Python :: Implementation :: CPython

Classifier: Programming Language :: Python :: Implementation :: PyPy

Classifier: Topic :: Communications

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

Requires-Python: >=3.8

Description-Content-Type: text/markdown

License-File: LICENSE.rst

ASN.1 library for Python

[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
[![Python
Versions](https://img.shields.io/pypi/pyversions/pyasn1.svg)](https://pypi.org/project/pyasn1/
[![Build
status](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml/badge.svg)](https://github.com/pyasn1/pyasn1/actions/workflows/main.yml)
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[![GitHub license](https://img.shields.io/badge/license-BSD-blue.svg)](https://raw.githubusercontent.com/pyasn1/pyasn1/master/LICENSE.txt)

This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

****NOTE:**** The package is now maintained by **Christian Heimes** and **Simon Pichugin** in project <https://github.com/pyasn1/pyasn1>.

Features

-
- *
Generic implementation of ASN.1 types (X.208)
 - * Standards compliant BER/CER/DER codecs
 - * Can operate on streams of serialized data
 - * Dumps/loads ASN.1 structures from Python types
 - * 100% Python, works with Python 3.8+
 - * MT-safe
 - * Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of

high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>)

by

Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
``bash
Record ::= SEQUENCE {
    id      INTEGER,
    room    [0] INTEGER OPTIONAL,
    house   [1] INTEGER DEFAULT 0
}
``
```

Could be expressed in pyasn1 like this:

```
``python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            )
        ),
        DefaultedNamedType(
            'house', Integer(0).subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
            )
        )
    )
``
```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form.

Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```
```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
```
```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```
```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```
```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:
>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
```
```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```
```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```
```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```
```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room':
321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
```
```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<https://pyasn1.readthedocs.io/en/latest/pyasn1/contents.html>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/pyasn1/pyasn1-modules>).

How to get pyasn1

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<https://pyasn1.readthedocs.io/en/latest/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/pyasn1/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.org/project/pyasn1>).

If something does not work as expected,

[open an issue](<https://github.com/epyasn1/pyasn1/issues>) at GitHub or
post your question [on Stack Overflow](<https://stackoverflow.com/questions/ask>)
or try browsing pyasn1
[mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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Found in path(s):

- * /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/PKG-INFO
- * /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/pyasn1.egg-info/PKG-INFO

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- * /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/docs/source/contents.rst

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[metadata]

name = pyasn1
version = attr: pyasn1.__version__
description = Pure-Python implementation of ASN.1 types and DER/BER/CER codecs (X.208)
long_description = file: README.md
long_description_content_type = text/markdown
license = BSD-2-Clause
license_files = LICENSE.rst
url = <https://github.com/pyasn1/pyasn1>
author = Ilya Etingof
author_email = etingof@gmail.com
maintainer = pyasn1 maintenance organization
maintainer_email = Christian Heimes <christian@python.org>
project_urls =
Documentation=<https://pyasn1.readthedocs.io>
Source=<https://github.com/pyasn1/pyasn1>
Issues=<https://github.com/pyasn1/pyasn1/issues>
Changelog=<https://pyasn1.readthedocs.io/en/latest/changelog.html>
platforms = any
classifiers =
Development Status :: 5 - Production/Stable
Environment :: Console
Intended Audience :: Developers
Intended Audience :: Education
Intended Audience :: Information Technology
Intended Audience :: System Administrators
Intended Audience :: Telecommunications Industry
License :: OSI Approved :: BSD License

Natural Language :: English
Operating System :: OS Independent
Programming Language :: Python :: 3
Programming Language :: Python :: 3.8
Programming Language :: Python :: 3.9
Programming Language :: Python :: 3.10
Programming Language :: Python :: 3.11
Programming Language :: Python :: 3.12
Programming Language :: Python :: 3.13
Programming Language :: Python :: Implementation :: CPython
Programming Language :: Python :: Implementation :: PyPy
Topic :: Communications
Topic :: Software Development :: Libraries :: Python Modules

[options]

```
python_requires = >=3.8
zip_safe = True
setup_requires = setuptools
packages =
    pyasn1
    pyasn1.type
    pyasn1.compat
    pyasn1.codec
    pyasn1.codec.ber
    pyasn1.codec.cer
    pyasn1.codec.der
    pyasn1.codec.native
```

[egg_info]

```
tag_build =
tag_date = 0
```

Found in path(s):

```
* /pyasn1-0-6-1-1-tar-gz/pyasn1-0.6.1/setup.cfg
```

1.123 pycparser 2.22

1.123.1 Available under license :

pycparser -- A C parser in Python

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1.124 pyrfc3339 2.0.1

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1.125 ethtool 6.11

1.125.1 Available under license :

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Version 2, June 1991

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lib/erl/src/Makefile.am

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```
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```

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```
/*
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  2015-05-02
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  */
(By Douglas Crockford <douglas@crockford.com>)
```

For lib/cpp/src/thrift/windows/SocketPair.cpp

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/* socketpair.c
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1.133 pyparsing 3.2.1

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1.136 cffi 1.17.1

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1.137 dns-python 2.7.0

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1.141 jsonschema 4.17.3

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1.142 zope-event 5.0

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1.143 twisted 24.3.0

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1.144 iproute 6.12.0

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1.145 more-itertools 10.6.0

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1.146 eudev 3.2.14

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1.148 zope-component 6.0

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1.151 python-certifi 2025.1.31

1.151.1 Available under license :

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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: <https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt> 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 \$

1.152 pytz 2025.1

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1.153 pbr 6.1.1

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1.154 util-linux 2.40.4

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```
NR START  END SECTORS SIZE NAME UUID
```

```
1  32 7679  7648 3.7M   8f8378c0-01
2 7680 16383  8704 4.3M   8f8378c0-02
5 7936 12799  4864 2.4M
6 12544 16127  3584 1.8M
```

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Both were inspired by Twisted's

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1.158 openssl 1.1.1zb

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1.160 jaraco.context 5.3.0

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1.161 python-setuptools 75.8.2

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```

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`fastjsonschema`

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`validate-pyproject`

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

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

software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, 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 <https://opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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

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

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1.163 fdisk 2.40.4

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```
NR START  END SECTORS SIZE NAME UUID
1  32 7679   7648 3.7M   8f8378c0-01
2 7680 16383  8704 4.3M   8f8378c0-02
5 7936 12799  4864 2.4M
6 12544 16127  3584 1.8M
```

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[src/readfloat.c]

strtod implementation.

author: Yasuhiro Matsumoto (@mattn)

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The original code can be found in <https://github.com/mattn/strtod>

[src/fmt_fp.c]

The code in this function was inspired from Fred Bayer's pdouble.c.

Since pdouble.c was released as Public Domain, I'm releasing this code as public domain as well.

Dave Hylands

The original code can be found in <https://github.com/dhylands/format-float>

[mrbgems/mruby-dir/src/Win/dirent.c] used only for Windows platform

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But that said, if there are any problems please get in touch.

```
set xrange [0:]  
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024  
set xtics rotate by -45  
set style histogram errorbars gap 2 lw 1  
set style fill solid border -1  
mruby-set
```

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1.165 less 668

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1.166 libuv 1.50.0

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1.167 log-rotate 3.22.0

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1.173 d-bus 1.16.2

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1.181 josepy 1.15.0

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1.182 linux-kernel 6.12.19

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```

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

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

*

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

* <http://www.hypermall.com/>

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

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

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

* and spelling mistakes.

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

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

* re-established. (put back CFG_PHYIE)

*

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

*

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

*

* Linux driver for the IDT77201 NICStAR PCI ATM controller.

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

* see init_nicstar() for PHY initialization to change this. This driver

* expects the Linux ATM stack to support scatter-gather

lists

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

*

* Implementing minimal-copy of received data:

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

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

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

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

* SDU, and leave <small_buffer_data> bytes empty at the start. Then

* copy small buffer contents to head of large buffer.

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

* buffers. This is done by 2 things:

* 1) skb->destructor / skb->atm.recycle_buffer

* combined, allow nicstar_free_rx_skb to be called to

* recycle large data buffers

* 2) skb_clone of received buffers

* See nicstar_free_rx_skb and linearize_buffer for implementation

* details.

*

*
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 *
 * M. Welsh, 6 July 1996
 *
 *
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1.184 gnutls 3.8.7

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#####

Constant-time SSSE3 AES core implementation.

version 0.1

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By Mike Hamburg (Stanford University), 2009

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For details see http://shiftleft.org/papers/vector_aes/ and

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1.185 sysstat 12.7.7

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1.186 gawk 5.3.1

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

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

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

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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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<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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1.187 binutils 2.43.50

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```
#ifndef __VTV_H__
#define __VTV_H__
```

```
/* We could have used an enumeration here but it just makes it more
   difficult for the compiler to generate a call to this. These are
   used as arguments to the function __VLTChangePermission, declared
   below. */
```

```
#define __VLTP_READ_ONLY 0
#define __VLTP_READ_WRITE 1
```



```

#ifdef __cplusplus
extern "C" void __VLTChangePermission (int);
#else
extern void __VLTChangePermission (int);
#endif

#ifdef BIG_PAGE_SIZE
/* TODO - Replace '4096' below with correct big page size. */
#define VTV_PAGE_SIZE 4096
#else
#ifdef __sun__ && defined(__svr4__) && defined(__sparc__)
#define VTV_PAGE_SIZE 8192
#elif defined(__loongarch_lp64)
/* The page size is configurable by the kernel to
be 4, 16 or 64 KiB.
For now, only the default page size of 16KiB is supported. */
#define VTV_PAGE_SIZE 16384
#else
#define VTV_PAGE_SIZE 4096
#endif
#endif

```

```

#endif /* __VTV_H__ */

```

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@c Local Variables:

@c ispell-local-pdict: "ispell-dict"

@c End:

(This file is under construction.) -*- text -*-

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

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

+++++

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

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

K. Richard Pixley maintained gas for a while, adding various enhancements and many bug fixes, including merging support for several processors, breaking gas up to handle multiple object file format

backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

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

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

Keith

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

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

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-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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@c Local Variables:

@c ispell-local-pdict: "ispell-dict"

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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

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

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves,

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Section 6 states terms for distribution of such executables.

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

1.189 kmod 34.2

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Thus, it is not the intent of this section to claim rights or contest

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

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

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

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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

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

That's all there is to it!
uganda.txt For Vim version 9.1. Last change: 2024 Aug 14

VIM REFERENCE MANUAL by Bram Moolenaar

uganda *Uganda* *copying* *copyright* *license*
SUMMARY
iccf *ICCF*

Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

<https://iccf-holland.org/>
<https://www.vim.org/iccf/>
<https://www.iccf.nl/>

You can also sponsor the development of Vim, see |sponsor|. The money goes to Uganda anyway.

The Open Publication License applies to the Vim documentation, see [manual-copyright].

=== begin of license ===

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II) It is allowed to distribute a modified (or extended) version of Vim, including executables and/or source code, when the following four conditions are met:

- 1) This license text must be included unmodified.
- 2) The modified Vim must be distributed in one of the following five ways:
 - a) If you make changes to Vim yourself, you must clearly describe in the distribution how to contact you. When the maintainer asks you (in any way) for a copy of the modified Vim you distributed, you must make your changes, including source code, available to the maintainer without fee. The maintainer reserves the right to include your changes in the official version of Vim. What the maintainer will do with your changes and under what license they will be distributed is negotiable. If there has been no negotiation then this license, or a later version,

also applies to your changes.

The current maintainers are listed here: <https://github.com/orgs/vim/people>.

If this changes it will be announced in appropriate places (most likely vim.sf.net, www.vim.org and/or comp.editors). When it is completely impossible to contact the maintainer, the obligation to send him your changes ceases. Once the maintainer has confirmed that he has received your changes they will not have to be sent again.

- b) If you have received a modified Vim that was distributed as mentioned under a) you are allowed to further distribute it unmodified, as mentioned at I). If you make additional changes the text under a) applies to those changes.

- c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making

their own changes to the official version of Vim.

- d) When you have a modified Vim which includes changes as mentioned under c), you can distribute it without the source code for the

changes if the following three conditions are met:

- The license that applies to the changes permits you to distribute the changes to the Vim maintainer without fee or restriction, and permits the Vim maintainer to include the changes in the official version of Vim without fee or restriction.
- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified

Vim, or as long
as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.

4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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If the number of changes is small (e.g., a modified Makefile) e-mailing a context diff will do. The e-mail address to be used is
<maintainer@vim.org>

IV) It is not allowed to remove this license from the distribution of the Vim sources, parts of it or from a modified version. You may use this license for previous Vim releases instead of the license that they came with, at your option.

=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

=====

Kibaale Children's Centre *kcc* *Kibaale* *charity*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there usually is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that in the past 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. Although AIDS is now mostly under control, the problems are still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the

orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a clinic at the project, which provides children and their family medical help. Since 2020 a maternity ward was added and 24/7 service is available. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

donate

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic:
Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is

visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have
any further questions, send e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money: *iccf-donations*

Check the ICCF web site for the latest information! See |iccf| for the URL.

USA: The methods mentioned below can be used.
If you must send a check send it to our Canadian partner:
<https://www.kuwasha.net/>

Canada: Contact Kuwasha in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. Kuwasha forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.
Look on their site for information about sponsorship:
<https://www.kuwasha.net/>
If you make a donation to Kuwasha you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Amersfoort. This will allow for tax deduction if you live in Holland. ING bank, IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
<https://iccf-holland.org/germany.html>

Europe: Use a bank transfer if possible. See "Others" below for the swift code and IBAN number.
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:
https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q

The e-mail address for sending the money to is:

Bram@iccf-holland.org

Others: Transfer to this account if possible:

ING bank: IBAN: NL95 INGB 0004 5487 74

Swift code: INGBNL2A

under the name "stichting ICCF Holland", Amersfoort

Checks are not accepted.

vim:tw=78:ts=8:noet:ft=help:norl:

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vi: set ft=:

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III) Vim
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maintainer@vim.org

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1.194 libnettle6 3.10.1

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1.195 pcre2 10.43

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1.196 samba 4.21.2_PRIVATE_SAMBA

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```
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```

```
@vskip 20pt plus 1fil
```

```
@end macro
```

```
@macro copyrightstart{}
```

```
@end macro
```

```
@macro copyrightend{}
```

@end macro

@comment node-name, next, previous, up

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@copyrightstart

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@table @asis

@item GSS-API CFX, SPNEGO, naming extensions, API extensions.

@item KCM

credential cache.

@item HDB LDAP backend.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in
libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

@author Paulo Barreto <paulo.barreto@terra.com.br>

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DES core in libcrypto

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D3DES (V5.09) -

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Windows support

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lib/hcrypto/test_dh.c

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/* Extract the last component (base name) of a file name.

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```
#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H

/* This file uses _GL_ATTRIBUTE_PURE. */
#if !_GL_CONFIG_H_INCLUDED
#error "Please include config.h first."
#endif

#include <stddef.h>

#ifndef
DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif

/* Return the address of the last file name component of FILENAME.
If FILENAME has some trailing slash(es), they are considered to be
part of the last component.
```

If FILENAME has no relative file name components because it is a file system root, return the empty string.

Examples:

FILENAME	RESULT
"foo.c"	"foo.c"
"foo/bar.c"	"bar.c"
"/foo/bar.c"	"bar.c"
"foo/bar/"	"bar/"
"foo/bar//"	"bar/"
"/"	""
"//"	""
""	""

The return value is a tail of the given FILENAME; do NOT free() it! */

/* This function was traditionally called 'basename', but we avoid this function name because

* Various platforms have different functions in their libc.

In particular, the glibc basename(),

defined in <string.h>, does

not consider trailing slashes to be part of the component:

FILENAME	RESULT
"foo/bar/"	""
"foo/bar//"	""

* The 'basename' command eliminates trailing slashes and for a root produces a non-empty result:

FILENAME	RESULT
"foo/bar/"	"bar"
"foo/bar//"	"bar"
"/"	"/"
"//"	"/"

*/

extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.

Typically FILENAME is the value returned by base_name or last_component.

Act like strlen (FILENAME), except omit all trailing slashes. */

extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;

#ifdef __cplusplus

} /* extern "C" */

#endif

#endif /* _BASENAME_LGPL_H */

1.200 ncurses 6.5-20250216

1.200.1 Available under license :

Upstream source <https://invisible-island.net/ncurses/Ada95.html>

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

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1.201 traceroute 2.1.6

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```
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```

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```

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

^L

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a) Accompany the combined library with a copy of the same work based on the Library, uncombined

with any other library

facilities. This must be distributed under the terms of the Sections above.

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

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It is safest to attach them to the start of each source

file to most

effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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

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

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the

library 'Frob' (a library for tweaking knobs) written by James
Random Hacker.

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

That's all there is to it!

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...

> -----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

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>=20

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> 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 I91Gxtpr020623
for <nneul@umn.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.umn.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@umn.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

1.203 grep 3.12

1.203.1 Available under license :

/* Extract the last component (base name) of a file name.

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along with this program. If not, see <<https://www.gnu.org/licenses/>>. */

```
#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H
```

```
/* This file uses _GL_ATTRIBUTE_PURE. */
#if !_GL_CONFIG_H_INCLUDED
#error "Please include config.h first."
#endif
```

```
#include <stddef.h>
```

```

#ifndef
DOUBLE_SLASH_IS_DISTINCT_ROOT
#define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

```

```

#ifdef __cplusplus
extern "C" {
#endif

```

/* Return the address of the last file name component of FILENAME.
If FILENAME has some trailing slash(es), they are considered to be
part of the last component.
If FILENAME has no relative file name components because it is a file
system root, return the empty string.

Examples:

FILENAME	RESULT
"foo.c"	"foo.c"
"foo/bar.c"	"bar.c"
"/foo/bar.c"	"bar.c"
"foo/bar/"	"bar/"
"foo/bar/"	"bar/"
"/"	""
"/"	""
"/"	""

The return value is a tail of the given FILENAME; do NOT free() it! */

/* This function was traditionally called 'basename', but we avoid this
function name because

* Various platforms have different functions in their libc.

In particular, the glibc basename(),

defined in <string.h>, does

not consider trailing slashes to be part of the component:

FILENAME	RESULT
"foo/bar/"	""
"foo/bar/"	""

* The 'basename' command eliminates trailing slashes and for a root
produces a non-empty result:

FILENAME	RESULT
"foo/bar/"	"bar"
"foo/bar/"	"bar"
"/"	"/"
"/"	"/"

*/

```
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;
```

/* Return the length of the basename FILENAME.

Typically FILENAME is the value returned by base_name or last_component.

Act like strlen (FILENAME), except omit all trailing slashes. */

```
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;
```

```
#ifdef __cplusplus
```

```
 } /* extern "C" */
```

```
#endif
```

```
#endif /* _BASENAME_LGPL_H */
```

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Version 3, 29 June 2007

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(1)

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<signature of Moe Ghoul>, 1 April 1990
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/* Extract the last component (base name) of a file name.

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```
#ifndef _BASENAME_LGPL_H
#define _BASENAME_LGPL_H
```

```
/* This file uses _GL_ATTRIBUTE_PURE. */
#if !_GL_CONFIG_H_INCLUDED
```

```

#error "Please include config.h first."
#endif

#include <stddef.h>

#ifndef
DOUBLE_SLASH_IS_DISTINCT_ROOT
# define DOUBLE_SLASH_IS_DISTINCT_ROOT 0
#endif

#ifdef __cplusplus
extern "C" {
#endif

/* Return the address of the last file name component of FILENAME.
   If FILENAME has some trailing slash(es), they are considered to be
   part of the last component.
   If FILENAME has no relative file name components because it is a file
   system root, return the empty string.
   Examples:
       FILENAME    RESULT
       "foo.c"     "foo.c"
       "foo/bar.c" "bar.c"
       "/foo/bar.c" "bar.c"
       "foo/bar/"  "bar/"
       "foo/bar/"  "bar/"
       "/"         ""
       "/"         ""
       ""          ""

   The return value is a tail of the given FILENAME; do NOT free() it! */

/* This function was traditionally called 'basename', but we avoid this
   function name because
   * Various platforms have different functions in their libc.
   In particular, the glibc basename(),
   defined in <string.h>, does
   not consider trailing slashes to be part of the component:
       FILENAME    RESULT
       "foo/bar/"  ""
       "foo/bar/"  ""
   * The 'basename' command eliminates trailing slashes and for a root
   produces a non-empty result:
       FILENAME    RESULT
       "foo/bar/"  "bar"
       "foo/bar/"  "bar"
       "/"         "/"
       "/"         "/"

```



```

*/
extern char *last_component (char const *filename) _GL_ATTRIBUTE_PURE;

/* Return the length of the basename FILENAME.
   Typically FILENAME is the value returned by base_name or last_component.
   Act like strlen (FILENAME), except omit all trailing slashes. */
extern size_t base_len (char const *filename) _GL_ATTRIBUTE_PURE;

#ifdef __cplusplus
} /* extern "C" */
#endif

#endif /* _BASENAME_LGPL_H */

```

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Version 2.1, February 1999

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1.212 libmnl 1.2.8

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1.214 linux-firmware 20231211

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*** Please see the file RELEASE-NOTES for important last-minute updates ***

0. OVERVIEW AND LICENSING/DISCLAIMER

This driver kit contains Linux drivers for the WIS GO7007SB multi-format video encoder. Only kernel version 2.6.x is supported. The video stream is available through the Video4Linux2 API and the audio stream is available through the ALSA API (or the OSS emulation layer of the ALSA system).

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1. SYSTEM REQUIREMENTS

This driver requires Linux kernel 2.6. Kernel 2.4 is not supported. Using kernel 2.6.10 or later is recommended, as earlier kernels are known to have unstable USB 2.0 support.

A fully built kernel source tree must be available. Typically this will be linked from "/lib/modules/<KERNEL VERSION>/build" for convenience. If this link does not exist, an extra parameter will need to be passed to the

`make` command.

All vendor-built kernels should already be configured properly. However, for custom-built kernels, the following options need to be enabled in the kernel as built-in or modules:

CONFIG_HOTPLUG	- Support for hot-pluggable devices
CONFIG_MODULES	- Enable loadable module support
CONFIG_KMOD	- Automatic kernel module loading
CONFIG_FW_LOADER	- Hotplug firmware loading support
CONFIG_I2C	- I2C support
CONFIG_VIDEO_DEV	- Video For Linux
CONFIG_SOUND	- Sound card support
CONFIG_SND	- Advanced Linux Sound Architecture
CONFIG_USB	- Support for Host-side USB
CONFIG_USB_DEVICEFS	- USB device filesystem
CONFIG_USB_EHCI_HCD	- EHCI

HCD (USB 2.0) support

Additionally, to use the example application, the following options need to be enabled in the ALSA section:

CONFIG_SND_MIXER_OSS	- OSS Mixer API
CONFIG_SND_PCM_OSS	- OSS PCM (digital audio) API

The hotplug scripts, along with the fxload utility, must also be installed. These scripts can be obtained from <<http://linux-hotplug.sourceforge.net/>>. Hotplugging is used for loading firmware into the Cypress EZ-USB chip using fxload and for loading firmware into the driver using the firmware agent.

2. COMPILING AND INSTALLING THE DRIVER

Most users should be able to compile the driver by simply running:

```
$ make
```

in the top-level directory of the driver kit. First the kernel modules will be built, followed by the example applications.

If the build system is unable to locate the kernel source tree for the currently-running kernel, or if the module should be built for a kernel other than the currently-running kernel, an additional parameter will need to be passed to make to specify the appropriate kernel source directory:

```
$ make KERNELSRC=/usr/src/linux-2.6.10-custom3
```

Once the compile completes, the driver and firmware files should be installed by running:

```
$ make install
```

The kernel modules will be placed in "/lib/modules/<KERNEL VERSION>/extra" and the firmware files will be placed in the appropriate hotplug firmware directory, usually /lib/firmware. In addition, USB maps and scripts will be placed in /etc/hotplug/usb to enable fxload to initialize the EZ-USB control chip when the device is connected.

3. PAL/SECAM TUNER CONFIGURATION (TV402U-EU only)

The PAL model of the Plextor ConvertX TV402U may require additional configuration to correctly select the appropriate TV frequency band and audio subchannel.

Users with a device other than the Plextor ConvertX TV402U-EU should skip this section.

The wide variety of PAL TV systems used in Europe requires that additional information about the local TV standards be passed to the driver in order to properly tune TV channels. The two necessary parameters are (a) the PAL TV band, and (b) the audio subchannel format in use.

In many cases, the appropriate TV band selection is passed to the driver from applications. However, in some cases, the application only specifies that the driver should use PAL but not the specific information about the appropriate TV band. To work around this issue, the correct TV band may be specified in the "force_band" parameter to the wis-sony-tuner module:

TV band	force_band
-----	-----
PAL B/G	B
PAL I	I
PAL D/K	D
SECAM L	L

If the "force_band" parameter is specified, the driver will ignore any TV band specified by applications and will always use the band provided in the module parameter.

The other parameter that can be specified is the audio subchannel format. There are

several stereo audio carrier systems in use, including NICAM and three varieties of A2. To receive audio broadcast on one of these stereo carriers, the "force_mpx_mode" parameter must be specified to the wis-sony-tuner module.

TV band	Audio subcarrier	force_mpx_mode
-----	-----	-----
PAL B/G	Mono (default)	1
PAL B/G	A2	2
PAL B/G	NICAM	3
PAL I	Mono (default)	4
PAL I	NICAM	5
PAL D/K	Mono (default)	6
PAL D/K	A2 (1)	7
PAL D/K	A2 (2)	8
PAL D/K	A2 (3)	9
PAL D/K	NICAM	10
SECAM L	Mono (default)	11
SECAM L	NICAM	12

If the "force_mpx_mode" parameter is not specified, the correct mono-only mode will be chosen based on the TV band. However, the tuner will not receive stereo audio or bilingual broadcasts correctly.

To pass the "force_band" or "force_mpx_mode" parameters to the wis-sony-tuner module, the following line must be added to the modprobe configuration file, which varies from one Linux distribution to another.

```
options wis-sony-tuner force_band=B force_mpx_mode=2
```

The above example would force the tuner to the PAL B/G TV band and receive stereo audio broadcasts on the A2 carrier.

To verify that the configuration has been placed in the correct location, execute:

```
$ modprobe -c | grep wis-sony-tuner
```

If the configuration line appears, then modprobe will pass the parameters correctly the next time the wis-sony-tuner module is loaded into the kernel.

4. TESTING THE DRIVER

Because few Linux applications are able to correctly capture from

Video4Linux2 devices with only compressed formats supported, the new driver should be tested with the "gorecord" application in the apps/ directory.

First connect a video source to the device, such as a DVD player or VCR. This will be captured to a file for testing the driver. If an input source is unavailable, a test file can still be captured, but the video will be black and the audio will be silent.

This application will auto-detect the V4L2 and ALSA/OSS device names of the hardware and will record video and audio to an AVI file for a specified number of seconds. For example:

```
$ apps/gorecord -duration 60 capture.avi
```

If this application does not successfully record an AVI file, the error messages produced by gorecord and recorded in the system log (usually in /var/log/messages) should provide information to help resolve the problem.

Supplying no parameters to gorecord will cause it to probe the available devices and exit. Use the -help flag for usage information.

5. USING THE DRIVER

The

V4L2 device implemented by the driver provides a standard compressed format API, within the following criteria:

- * Applications that only support the original Video4Linux1 API will not be able to communicate with this driver at all.
- * No raw video modes are supported, so applications like xawtv that expect only uncompressed video will not function.
- * Supported compression formats are: Motion-JPEG, MPEG1, MPEG2 and MPEG4.
- * MPEG video formats are delivered as Video Elementary Streams only. Program Stream (PS), Transport Stream (TS) and Packetized Elementary Stream (PES) formats are not supported.
- * Video parameters such as format and input port may not be changed while the encoder is active.
- * The audio capture device only functions when the video encoder is actively capturing video. Attempts to read from the audio device when the encoder is inactive will result in an I/O error.

* The native format of the audio device is 48Khz 2-channel

16-bit

little-endian PCM, delivered through the ALSA system. No audio compression is implemented in the hardware. ALSA may convert to other uncompressed formats on the fly.

The include/ directory contains a C header file describing non-standard features of the GO7007SB encoder, which are described below:

GO7007IOC_S_COMP_PARAMS, GO7007IOC_G_COMP_PARAMS

These ioctls are used to negotiate general compression parameters.

To query the current parameters, call the GO7007IOC_G_COMP_PARAMS ioctl with a pointer to a struct go7007_comp_params. If the driver is not set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct go7007_comp_params and call the GO7007_IOC_S_COMP_PARAMS ioctl with a pointer to this structure. The driver will return the current parameters with any necessary changes to conform to the limitations of the hardware or current compression mode. Any or all fields can be set to zero to request a reasonable default value. If the driver is not set to MPEG format, the EINVAL error code will be returned. When I/O is in progress, the EBUSY error code will be returned.

Fields in struct go7007_comp_params:

__u32	The maximum number of frames in each
gop_size	Group Of Pictures; i.e. the maximum
	number of frames minus one between
	each key frame.

__u32	The maximum number of sequential
max_b_frames	bidirectionally-predicted frames.
	(B-frames are not yet supported.)

enum go7007_aspect_ratio	The aspect ratio to be encoded in the
aspect_ratio	meta-data of the compressed format.

Choices are:

GO7007_ASPECT_RATIO_1_1

GO7007_ASPECT_RATIO_4_3_NTSC

GO7007_ASPECT_RATIO_4_3_PAL

GO7007_ASPECT_RATIO_16_9_NTSC

GO7007_ASPECT_RATIO_16_9_PAL

__u32 Bit-wise OR of control flags (below)
flags

Flags in struct go7007_comp_params:

GO7007_COMP_CLOSED_GOP Only produce self-contained GOPs, used
to produce streams appropriate for
random seeking.

GO7007_COMP_OMIT_SEQ_HEADER Omit the stream sequence header.

GO7007IOC_S_MPEG_PARAMS, GO7007IOC_G_MPEG_PARAMS

These ioctls are used to negotiate MPEG-specific stream parameters when
the pixelformat has been set to V4L2_PIX_FMT_MPEG.

To query the current parameters, call the GO7007IOC_G_MPEG_PARAMS ioctl
with a pointer to a struct go7007_mpeg_params.

If the driver is not
set to MPEG format, the EINVAL error code will be returned.

To change the current parameters, initialize all fields of a struct
go7007_mpeg_params and call the GO7007_IOC_S_MPEG_PARAMS ioctl with a
pointer to this structure. The driver will return the current
parameters with any necessary changes to conform to the limitations of
the hardware or selected MPEG mode. Any or all fields can be set to
zero to request a reasonable default value. If the driver is not set
to MPEG format, the EINVAL error code will be returned. When I/O is in
progress, the EBUSY error code will be returned.

Fields in struct go7007_mpeg_params:

enum go7007_mpeg_video_standard
mpeg_video_standard The MPEG video standard in which to
compress the video.

Choices are:

GO7007_MPEG_VIDEO_MPEG1

GO7007_MPEG_VIDEO_MPEG2

GO7007_MPEG_VIDEO_MPEG4

__u32 Bit-wise OR of control flags (below)
flags

__u32 The profile and level indication to be
pali stored in the sequence header. This
is only used as an indicator to the
decoder, and does not affect the MPEG
features used in the video stream.
Not valid for MPEG1.

Choices for MPEG2 are:

GO7007_MPEG2_PROFILE_MAIN_MAIN

Choices for MPEG4 are:

GO7007_MPEG4_PROFILE_S_L0

GO7007_MPEG4_PROFILE_S_L1

GO7007_MPEG4_PROFILE_S_L2

GO7007_MPEG4_PROFILE_S_L3

GO7007_MPEG4_PROFILE_ARTS_L1

GO7007_MPEG4_PROFILE_ARTS_L2

GO7007_MPEG4_PROFILE_ARTS_L3

GO7007_MPEG4_PROFILE_ARTS_L4

GO7007_MPEG4_PROFILE_AS_L0

GO7007_MPEG4_PROFILE_AS_L1

GO7007_MPEG4_PROFILE_AS_L2

GO7007_MPEG4_PROFILE_AS_L3

GO7007_MPEG4_PROFILE_AS_L4

GO7007_MPEG4_PROFILE_AS_L5

Flags in struct go7007_mpeg_params:

GO7007_MPEG_FORCE_DVD_MODE Force all compression parameters and
bitrate control settings to comply

with DVD MPEG2 stream requirements.

This overrides most compression and
bitrate settings!

GO7007_MPEG_OMIT_GOP_HEADER Omit the GOP header.

GO7007_MPEG_REPEAT_SEQHEADER Repeat the MPEG sequence header at
the start of each GOP.

GO7007IOC_S_BITRATE, GO7007IOC_G_BITRATE

These ioctls are used to set and query the target bitrate value for the
compressed video stream. The bitrate may be selected by storing the
target bits per second in an int and calling GO7007IOC_S_BITRATE with a

pointer to the int. The bitrate may be queried by calling `GO7007IOC_G_BITRATE` with a pointer to an int where the current bitrate will be stored.

Note that this is the primary means of controlling the video quality for all compression modes, including `V4L2_PIX_FMT_MJPEG`. The `VIDIOC_S_JPEGCOMP` ioctl is not supported.

Installing the WIS PCI Voyager Driver

The WIS PCI Voyager driver requires several patches to the Linux 2.6.11.x kernel source tree before compiling the driver. These patches update the in-kernel SAA7134 driver to the newest development version and patch bugs in the TDA8290/TDA8275 tuner driver.

The following patches must be downloaded from Gerd Knorr's website and applied in the order listed:

```
http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner
http://dl.bytesex.org/patches/2.6.11-2/i2c-tuner2
http://dl.bytesex.org/patches/2.6.11-2/v4l2-api-mpeg
http://dl.bytesex.org/patches/2.6.11-2/saa7134-update
```

The following patches are included with this SDK and can be applied in any order:

```
patches/2.6.11/saa7134-voyager.diff
patches/2.6.11/tda8275-newaddr.diff
patches/2.6.11/tda8290-ntsc.diff
```

Check to make sure the `CONFIG_VIDEO_SAA7134` option is enabled in the kernel configuration, and build and install the kernel.

After rebooting into the new kernel, the GO7007 driver can be compiled and installed:

```
$ make SAA7134_BUILD=y
$ make install
$ modprobe saa7134-go7007
```

There will be two V4L video devices associated with the PCI Voyager. The first device (most likely `/dev/video0`) provides access to the raw video capture mode of the SAA7133 device and is used to configure the source video parameters and tune the TV tuner. This device can be used with `xawtv`

or other V4L(2) video software as a standard uncompressed device.

The second device (most likely /dev/video1) provides access to the compression functions of the GO7007. It can be tested using the gorecord application in the apps/ directory of this SDK:

```
$ apps/gorecord -vdevice /dev/video1 -noaudio test.avi
```

Currently the frame resolution is fixed at 720x480 (NTSC) or 720x576 (PAL), and the video standard must be specified to both the raw and the compressed video devices (xawtv and gorecord, for example).

RELEASE NOTES FOR WIS GO7007SB LINUX DRIVER

Last updated: 5 November 2005

- Release 0.9.7 includes new support for using udev to run fxload. The install script should automatically detect whether the old hotplug scripts or the new udev rules should be used. To force the use of hotplug, run "make install USE_UDEV=n". To force the use of udev, run "make install USE_UDEV=y".
- Motion detection is supported but undocumented. Try the `modet` app for a demonstration of how to use the facility.
- Using USB2.0 devices such as the TV402U with USB1.1 HCDs or hubs can cause buffer overruns and frame drops, even at low framerates, due to inconsistency in the bitrate control mechanism.
- On devices with an SAA7115, including the Plector ConvertX, video height values of 96, 128, 160, 192, 256, 320, and 384 do not work in NTSC mode. All valid heights up to 512 work correctly in PAL mode.
- The WIS Star Trek and PCI Voyager boards have no support yet for audio or the TV tuner.

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```

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 *
 * \$Id: sha2.c,v 1.1 2001/11/08 00:01:51 adg Exp adg \$
 */
 File: LLM_sp_sha2.c

/*
 * FILE: sha2.h
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 *
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*

* \$Id: sha2.h,v 1.1 2001/11/08 00:02:01 adg Exp adg \$

*/

File: LLM_sp_sha2.h

=====

2.

/* utility to create the register check tables

* this includes inlined list.h safe for userspace.

*

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*

* Authors:

* Jerome

Glisse

* Dave Airlie

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*/

File: comm_lib.h

=====

3.

/* crypto/aes/aes.h -*- mode:C; c-file-style: "eay" -*- */

/* =====

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* =====

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*

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*/

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```

File Name list: aes.h, aes_locl.h

```

```

=====

```

4.

```

/* crypto/aes/aes_core.c -*- mode:C; c-file-style: "eay" -*- */

```

```

/**

```

```

* rijndael-alg-fst.c

```

```

*

```

```

* @version 3.0 (December 2000)

```

```

*

```

```

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

```

```

*

```

```

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

```

```

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

```

```

* @author Paulo Barreto <paulo.barreto@terra.com.br>

```

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*/

```

```

File: aes_core.c

```

5.

/*=====

EDIT HISTORY FOR FILE

\$Header: //depot/asic/msmshared/sec/sec/MSM_SEC.03.03.08.xx/aes.h#1 \$

\$DateTime: 2006/12/11 00:43:21 \$ \$Author: davidf \$

when who what, where, why

----- --

11/12/04 rv changes to correct LINT errors

02/02/04 rwh Small mods to open
source.

=====*/

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Dr B. R. Gladman <brg@gladman.uk.net> 1st June 2001.

*/

File: aes.h

/*=====

EDIT HISTORY FOR FILE

\$Header: //depot/asic/msmshared/sec/sec/MSM_SEC.03.03.08.xx/aes_tab.h#1 \$

\$DateTime: 2006/12/11 00:43:21 \$ \$Author: davidf \$

when who what, where, why

----- --

11/12/04 rv changes to correct LINT errors

02/02/04

 rwh Small mods to open source.

=====*/

/*lint -e146 -e303 */


```
/* 146: Assuming a binary constant */
/* 303: String too long (try +macros) */
```

```
/*
```

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```
*/
```

File: aes_tab.h

```
=====
```

6.

```
=====
```

#FILE:Confptest.py

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#

#

#

```
=====
```

File: Confptest.py

=====
7.
=====

/ ***

*

* Fowler/Noll/Vo- hash

*

* The basis of this hash algorithm was taken from an idea sent

* as reviewer comments to the IEEE POSIX P1003.2 committee by:

*

* Phong Vo (<http://www.research.att.com/info/kpv/>)

* Glenn Fowler (<http://www.research.att.com/~gsf/>)

*

* In a subsequent ballot round:

*

* Landon Curt Noll (<http://www.isthe.com/chongo/>)

*

* improved on their algorithm. Some people tried this hash

* and found that it worked rather well. In an EMail message

* to Landon, they named it the ``Fowler/Noll/Vo" or FNV hash.

*

* FNV hashes are designed to be fast while maintaining a low

* collision rate. The FNV speed allows one to quickly hash

lots

* of data while maintaining a reasonable collision rate. See:

*

* <http://www.isthe.com/chongo/tech/comp/fnv/index.html>

*

* for more details as well as other forms of the FNV hash.

*

*

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* By:

* chongo <Landon Curt Noll> ^oo^

* <http://www.isthe.com/chongo/>

*

* Share and Enjoy! :-)

*/

File: fm_fnv_hash.h, fm_fnv_hash.c

=====
8.
=====

```
/*
 * $Header: //source/qcom/qct/core/api/kernel/main/latest/libstd/stringl/stringl.h#13 $
 * $DateTime: 2013/07/24 11:35:54 $
 */

/* $OpenBSD: string.h,v 1.17 2006/01/06 18:53:04 millert Exp $ */
/* $NetBSD: string.h,v 1.6 1994/10/26 00:56:30 cgd Exp $ */

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 *
 * @(#)string.h 5.10 (Berkeley) 3/9/91
 */
File: stringl.h
```

=====
9.

=====
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wstrncat.c

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=====
File:

atomic_ops.h

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* Author: Malcolm

Purvis <malcolmp@ok-labs.com>

* Author: Carlos Dyonisio <medaglia@ok-labs.com>

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File: qurt_atomic_ops.h

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```

/*
* Author: Malcolm Purvis <malcolmp@ok-labs.com>
*
* This file is only included by the main atomic_ops.h, so all of that
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*/

```

```

=====

```

File: htt_common.h

```

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File: htt_deps.h

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File: pcie_reg_scratch.h

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File: wdi_ipa.h

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File: wlan_defs.h

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File:

wlan_nan_msg_common.h

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File: wlan_nan_msg_common_v2.h

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File: wmi_tlv_defs.h

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File:

wmi_tlv_helper.h

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File: wmi_version.h

```

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*/

=====
File: ol_fw_tx_dbg.h

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```
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File: queue.h
```

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=====
File: stail_queue.h

```
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```

```
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//
// @(#)queue.h 8.5 (Berkeley) 8/20/94
// $FreeBSD: src/sys/sys/queue.h,v 1.58 2004/04/07 04:19:49 imp Exp $
// $Id: //components/rel/wlanfw_cmn.cnss/1.0/cnss_proc/wlan/fwcommon/include/queue.h#1 $
//
```

File:

targaddrs.h

```
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File: aes_gcm.h

*/

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*/

=====
File: aes_wrap.h

*/

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/*

* AES-based functions
*
*
* - AES Key Wrap Algorithm (128-bit KEK) (RFC3394)
* - One-Key CBC MAC (OMAC1) hash with AES-128
* - AES-128 CTR mode encryption

```

* _
AES-128 EAX mode encryption/decryption
* - AES-128 CBC
*
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=====
File: sha2.h

/*
* FILE: sha2.h
* AUTHOR: Aaron D. Gifford - <http://www.aarongifford.com/>
*
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*
* \$Id: //depot/sw/branches/qca_rome_main/perf_pwr_offload/drivers/target/include/sha2.h#1 \$
*/

=====
File: wal_dfs.h

/*
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```

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```

```

=====
File: if_ethersubr.h

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//
// $Id: //components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_ethersubr.h#3 $
//
```

=====
File: wal_dfs.c

```
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 */
```

=====
File: ieee_crc32.c

```
/*
 * COPYRIGHT (C) 1986 Gary S. Brown. You may use this program, or
 * code or tables extracted from it, as desired without
 * restriction.
 *
 * First, the polynomial itself and its table of feedback terms. The
 * polynomial is
 *  $X^{32} + X^{26} + X^{23} + X^{22} + X^{16} + X^{12} + X^{11} + X^{10} + X^8 + X^7 + X^5 + X^4 + X^2 + X^0$ 
 *
 * Note that we take it "backwards" and put the highest-order term in
```



```

* the lowest-order bit. The X^32 term is "implied"; the LSB is the
* X^31 term, etc. The X^0 term (usually shown as "+1") results in
* the MSB being 1
*
* Note that the usual hardware shift register implementation, which
* is what we're using (we're merely optimizing it by doing eight-bit
* chunks at a time) shifts bits into the lowest-order term. In our
* implementation, that means shifting towards the right. Why do we
* do it this way? Because the calculated CRC must be transmitted in
* order from highest-order term to lowest-order term. UARTs transmit
* characters in order from LSB to MSB. By storing the CRC this way
* we hand it to the UART in the order low-byte to high-byte; the UART
* sends each low-bit
to high-bit; and the result is transmission bit
* by bit from highest- to lowest-order term without requiring any bit
* shuffling on our part. Reception works similarly
*
* The feedback terms table consists of 256, 32-bit entries. Notes
*
* The table can be generated at runtime if desired; code to do so
* is shown later. It might not be obvious, but the feedback
* terms simply represent the results of eight shift/xor opera
* tions for all combinations of data and CRC register values
*
* The values must be right-shifted by eight bits by the "updcrc
* logic; the shift must be unsigned (bring in zeroes). On some
* hardware you could probably optimize the shift in assembler by
* using byte-swap instructions
* polynomial $edb88320
*
* CRC32 code derived from work by Gary S. Brown.
*/

```

```

=====
File: aes.c

```

```

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/*
* AES (Rijndael) cipher
*
* Modifications to public domain implementation:
* - support only 128-bit keys
* - cleanup

```

```

* - use C pre-processor to make it easier to change S table access
* - added option (AES_SMALL_TABLES) for reducing code size by about 8 kB at
*   cost of reduced throughput (quite small difference on Pentium 4,
*   10-25% when using -O1 or -O2 optimization)
*
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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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*/

=====
File: aes_gcm.c

/*

```

* Galois/Counter Mode (GCM) and GMAC with AES

*

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=====

File: aes_wrap.c

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/*

* AES-based functions

*

* - AES Key Wrap Algorithm (128-bit KEK) (RFC3394)

* - One-Key CBC MAC (OMAC1) hash with AES-128

* - AES-128 CTR mode encryption

* - AES-128 EAX mode encryption/decryption

* - AES-128 CBC

*

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/*

* wpa_supplicant/hostapd / common helper functions, etc.

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=====
File: md5.c

```
//  
//  
$Id: //depot/sw/branches/qca_main_wifi2.0/perf_pwr_offload/drivers/target/src/misc/crypto/md5.c#1 $  
//  
// This code implements the MD5 message-digest algorithm.  
// The algorithm is due to Ron Rivest. This code was  
// written by Colin Plumb in 1993, no copyright is claimed.  
// This code is in the public domain; do with it what you wish.  
//  
// Equivalent code is available from RSA Data Security, Inc.  
// This code has been tested against that, and is equivalent,  
// except that you don't need to include two pages of legalese  
// with every copy.  
//  
// To compute the message digest of a chunk of bytes, declare an  
// MD5Context structure, pass it to MD5Init, call MD5Update as  
// needed on buffers full of bytes, and then call MD5Final, which  
// will fill a supplied 16-byte array with the digest.  
//
```

=====
File: sha1.c

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*/

/*
* SHA1 hash implementation and interface functions
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=====
File: wmi_tlv_helper.c

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=====
File: hca_HwComponentBbLithium_dfs_phyerr_tlv.cpp

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=====
File: hca_HwComponentBbLithium_dfs_radar_report.h

```

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=====
File: phyUtilsStrncpy.c

```

```

/* $OpenBSD: strncpy.c,v 1.11 2006/05/05 15:27:38 millert Exp $ */

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 File: cds_ieee80211_common.h

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File: ath_dfs_structs.h

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File: dfs.h
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File: dfs_interface.h
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dfs_ioctl.h

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File:

qdf_status.h

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File: dfs_bindetects.c

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dfs_fcc_bin5.c

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// $Id: //components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_llc.h#3 $
// $NetBSD: if_llc.h,v 1.12 1999/11/19 20:41:19 thorpej Exp $
// $Id: //components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_llc.h#3 $
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* @(#)if_llc.h 8.1 (Berkeley) 6/10/93
 * \$FreeBSD: src/sys/net/if_llc.h,v 1.9 2002/09/23 06:25:08 alfred Exp \$
 */

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 File: qvit_init_api.h

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=====
File: sha2.c

/*

* FILE: sha2.c
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File: wlan_p2p_listen_offload.c

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* Wi-Fi Protected Setup - attribute parsing

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 * This file defines the cryptographic
 functions that need to be implemented
 * for wpa_supplicant and hostapd. When TLS is not used, internal
 * implementation of MD5, SHA1, and AES is used and no external libraries are
 * required. When TLS is enabled (e.g., by enabling EAP-TLS or EAP-PEAP), the
 * crypto library used by the TLS implementation is expected to be used for
 * non-TLS needs, too, in order to save space by not implementing these
 * functions twice.
 *
 * Wrapper code for using each crypto library is in its own file (crypto*.c)
 * and one of these files is build and linked in to provide the functions
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 */

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File:

mywpa_common.c

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File: sha256-kdf.c

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jloup@gzip.org
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*/

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*

* To compute the message digest of a chunk of bytes, declare an

* MD5Context structure, pass it to MD5Init, call MD5Update

as

* needed on buffers full of bytes, and then call MD5Final, which

* will fill a supplied 16-byte array with the digest.

*/


```

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 */

```

```

-----
-----

```

```

/*-
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 * code or tables extracted from it, as desired without restriction.
 *
 * First, the polynomial itself and its table of feedback terms. The
 * polynomial is
 *  $X^{32} + X^{26} + X^{23} + X^{22} + X^{16} + X^{12} + X^{11} + X^{10} + X^8 + X^7 + X^5 + X^4 + X^2 + X^1 + X^0$ 
 *
 * Note that we take it "backwards" and put the highest-order term in
 * the lowest-order bit. The  $X^{32}$  term is "implied"; the LSB is the
 *  $X^{31}$  term, etc. The  $X^0$  term (usually shown as "+1") results in
 * the MSB being 1
 *
 * Note that the usual hardware shift register implementation, which

```

```

* is what we're using (we're merely optimizing it by doing eight-bit
* chunks at a time) shifts bits into the lowest-order term. In our
* implementation, that means shifting towards the right. Why do we
* do it this way? Because the calculated CRC must be transmitted in
* order from highest-order
term to lowest-order term. UARTs transmit
* characters in order from LSB to MSB. By storing the CRC this way
* we hand it to the UART in the order low-byte to high-byte; the UART
* sends each low-bit to high-bit; and the result is transmission bit
* by bit from highest- to lowest-order term without requiring any bit
* shuffling on our part. Reception works similarly
*
* The feedback terms table consists of 256, 32-bit entries. Notes
*
* The table can be generated at runtime if desired; code to do so
* is shown later. It might not be obvious, but the feedback
* terms simply represent the results of eight shift/xor opera
* tions for all combinations of data and CRC register values
*
* The values must be right-shifted by eight bits by the "updcrc
* logic; the shift must be unsigned (bring in zeroes). On some
* hardware you could probably optimize the shift in assembler by
* using byte-swap instructions
* polynomial
$edb88320
*

```

```

-----

/*
The AES algorithm Rijndael implemented for block and key sizes of 128,
192 and 256 bits (16, 24 and 32 bytes) by Brian Gladman.

```

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Dr B. R. Gladman <brg@gladman.uk.net> 1st June 2001.

```

-----

/*
* hash_32 - 32 bit Fowler/Noll/Vo hash code

```

*
* Fowler/Noll/Vo hash
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/*
* sha1.c
*
* Originally written by Steve Reid <steve@edmweb.com>
*
* Modified by Aaron D. Gifford <agifford@infowest.com>
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*
* The original unmodified version is available at:
* <ftp://ftp.funet.fi/pub/crypt/hash/sha/sha1.c>
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/*
* AES-based functions
*
* - AES Key Wrap Algorithm (128-bit KEK) (RFC3394)
* - One-Key CBC MAC (OMAC1) hash with AES-128

- * - AES-128 CTR mode encryption
- * - AES-128 EAX mode encryption/decryption
- * - AES-128 CBC
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```

```
/*
 * hmac_sha1.c
 *
 * Version
 * 1.0.0
 *
 * Written by Aaron D. Gifford <me@aarongifford.com>
 *
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created based on "xc5000_firmwares_32000Khz.h".

Firmware provided as part of an XC5000 Linux developers kit by Brian
Mathews <bmathews@xceive.com> to Devin Heitmueller <dheitmueller@linuxtv.org>
on July 1, 2009.

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```
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 * EAP common peer/server definitions
 * EAP peer state machines (RFC 4137)
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File: fils.h

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*
*
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* - One-Key CBC MAC (OMAC1) hash with AES-128
* - AES-128 CTR mode encryption
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* This file defines the cryptographic functions that need to be implemented
* for wpa_supplicant and hostapd. When TLS is not used,
internal
* implementation of MD5, SHA1, and AES is used and no external libraries are
* required. When TLS is enabled (e.g., by enabling EAP-TLS or EAP-PEAP), the
* crypto library used by the TLS implementation is expected to be used for
* non-TLS needs, too, in order to save space by not implementing these

```

* functions twice.
*
* Wrapper code for using each crypto library is in its own file (crypto*.c)
* and one of these files is build and linked in to provide the functions
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*/

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File: suppl_auth_api.h

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 *
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*/

/*

* Author: Malcolm Purvis <malcolmp@ok-labs.com>

* Author: Carlos Dyonisio <medaglia@ok-labs.com>

*/

=====

File: qurt_atomic_ops.h

/*

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/*

* Author: Malcolm Purvis <malcolmp@ok-labs.com>

*

* This file is only included by the main atomic_ops.h, so all of that
* file's definitions are available.

*/

=====

File: ieee_crc32.c

/*

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*

* First, the polynomial itself and its table of feedback terms. The
* polynomial is

* $X^{32} + X^{26} + X^{23} + X^{22} + X^{16} + X^{12} + X^{11} + X^{10} + X^8 + X^7 + X^5 + X^4 + X^2 + X^1 + X^0$

*

* Note that we take it "backwards" and put the highest-order term in
* the lowest-order bit. The X^{32} term is "implied"; the LSB is the
* X^{31} term, etc. The X^0 term (usually shown as "+1") results in

```

* the MSB being 1
*
* Note that the usual hardware shift register
implementation, which
* is what we're using (we're merely optimizing it by doing eight-bit
* chunks at a time) shifts bits into the lowest-order term. In our
* implementation, that means shifting towards the right. Why do we
* do it this way? Because the calculated CRC must be transmitted in
* order from highest-order term to lowest-order term. UARTs transmit
* characters in order from LSB to MSB. By storing the CRC this way
* we hand it to the UART in the order low-byte to high-byte; the UART
* sends each low-bit to high-bit; and the result is transmission bit
* by bit from highest- to lowest-order term without requiring any bit
* shuffling on our part. Reception works similarly
*
* The feedback terms table consists of 256, 32-bit entries. Notes
*
* The table can be generated at runtime if desired; code to do so
* is shown later. It might not be obvious, but the feedback
* terms simply represent the results of eight shift/xor opera
* tions for all combinations of data and CRC register values
*
* The values must be right-shifted by eight bits by the "updcrc
* logic; the shift must be unsigned (bring in zeroes). On some
* hardware you could probably optimize the shift in assembler by
* using byte-swap instructions
* polynomial $edb88320
*
*
* CRC32 code derived from work by Gary S. Brown.
*/

```

```

=====

```

```

File: sha2.h

```

```

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```

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=====

File: stringl.h

```
/* $OpenBSD: string.h,v 1.17 2006/01/06 18:53:04 millert Exp $ */
/* $NetBSD: string.h,v 1.6 1994/10/26 00:56:30 cgd Exp $ */
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*

* @(#)string.h 5.10 (Berkeley) 3/9/91

*/

=====

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stail_queue.h

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//
// @(#)queue.h 8.5 (Berkeley) 8/20/94
// $FreeBSD: src/sys/sys/queue.h,v 1.58 2004/04/07 04:19:49 imp Exp $
```

=====

File:
phyUtilsStrncpy.c

```
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```

File: strlen.c

```

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/* OPENBSD ORIGINAL: lib/libc/string/strlen.c */

```

```

=====

```

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```

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```
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```
=====
```

File: aes-siv.c

```
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File: aes_siv.h

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File: apf.h

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File: apf_interpreter.c

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 */
```

=====

File: apf_interpreter.h

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 */
/* ===== start - public domain SHA256 implementation ===== */

/* This is based on SHA256 implementation in LibTomCrypt that was released into
 * public domain by Tom St Denis.
 */
```

=====
File: sha384-internal.c

```
/*
 * SHA-384 hash implementation and interface functions
 * Copyright (c) 2015, Pali Rohar <pali.rohar@gmail.com>
 *
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 * See README for more details.
 */
```

```
/* ===== start - public domain SHA384 implementation ===== */
```

```
/* This is based on SHA384 implementation in LibTomCrypt that was released into  
* public domain by Tom St Denis.  
*/
```

=====

File: sha512-internal.c

```
/*  
* SHA-512 hash implementation and interface functions  
* Copyright (c) 2015, Pali Rohr <pali.rohar@gmail.com>  
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*/
```

```
/* ===== start - public domain SHA512 implementation ===== */
```

```
/* This is based on SHA512 implementation in LibTomCrypt that was released into  
* public domain by Tom St Denis.  
*/
```

=====

File: sha256.h

```
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File: sha384_i.h

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* SHA384-based KDF (IEEE 802.11ac)
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File: sha384.h

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* SHA384 hash implementation and interface functions
* Copyright (c) 2015-2017, Jouni Malinen <j@w1.fi>

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File: sha256-kdf.c

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* HMAC-SHA256 KDF (RFC 5295) and HKDF-Expand(SHA256) (RFC 5869)
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File: sha512_i.h

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File: md5.c

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//
// This code implements the MD5 message-digest algorithm.
// The algorithm is due to Ron Rivest. This code was
// written by Colin Plumb in 1993, no copyright is claimed.
// This code is in the public domain; do with it what you wish.
//
// Equivalent code is available from RSA Data Security, Inc.

```
// This code has been tested against that, and is equivalent,
// except that you don't need to include two pages of legalese
// with every copy.
//
// To compute the message digest of a chunk of bytes, declare an
// MD5Context structure, pass it to MD5Init, call MD5Update as
// needed on buffers full of bytes, and then call MD5Final, which
// will fill a supplied 16-byte array with
// the digest.
//
// This code implements the MD5 message-digest algorithm.
// The algorithm is due to Ron Rivest. This code was
// written by Colin Plumb in 1993, no copyright is claimed.
// This code is in the public domain; do with it what you wish.
//
// Equivalent code is available from RSA Data Security, Inc.
// This code has been tested against that, and is equivalent,
// except that you don't need to include two pages of legalese
// with every copy.
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```

```
=====
```

File: aes_gcm.h

```
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 */
/*
 * Galois/Counter Mode (GCM) and GMAC with AES
 *
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 */
```

```
=====
```

File:

md5_api.h

```
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File: wlan_p2p_listen_offload_int.c

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* Wi-Fi Protected Setup - attribute parsing
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File: wlan_p2p_listen_offload_internal.h

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```

```

=====

```

File:
aes-ctr.c

```

/*
* AES-128/192/256 CTR
*
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File: m1_m4_frame.c

```

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/* RC4 stream cipher
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```

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```

File: my_nan_sec.c

```
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File: mywpa.c

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File: mywpa_ft.c

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File: mywpa_ft.h

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=====

File: wlan_p2p_disc_offload.c

```
/*
```

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* Wi-Fi Protected Setup - attribute parsing
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File:

wlan_p2p_disc_offload_internal.h

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=====

File: htt_common.h

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File: htt.h

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```

```

=====

```

```

File:
htt_ppdu_stats.h

```

```

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*/

```

=====
File: htt_stats.h

```
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=====
File: pcie_reg_scratch.h

```
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File: wdi_ipa.h

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File:
wlan_defs.h

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File: wlan_nan_msg_common.h

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File: wlan_nan_msg_common_v2.h

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File: wmi_services.h

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File: wmi_tlv_defs.h

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File: wmi_version.h

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File: dbglog.h

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File: epping_test.h

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File: ip_prot.h

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File: wmi_unified_priv.h

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File: wlan_module_ids.h

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File: wmi_vendor.h

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File: wmi_vendor_ss.h

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targaddrs.h

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File: wal_dfs.h

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File: wal_dfs.c

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File:aes.c

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/*
* AES (Rijndael) cipher
*
* Modifications to public domain implementation:
* - support only 128-bit keys
* - cleanup
* - use C pre-processor to make it easier to change S table access
* - added option (AES_SMALL_TABLES) for reducing code size by about 8 kB at
* cost of reduced throughput (quite small difference on Pentium 4,
* 10-25% when using -O1 or -O2 optimization)
*
* Copyright (c) 2003-2005, Jouni Malinen <jkmaline@cc.hut.fi>
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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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File: wmi_tlv_helper.c

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=====
File: hca_HwComponentBbLithium_dfs_phyerr_tlv.cpp

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File: hca_HwComponentBbLithium_dfs_process_phyerr.cpp

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File: hca_HwComponentBbLithium_dfs_radar_report.h

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File: cds_ieee80211_common.h

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cds_ieee80211_common_i.h

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File: dfs.h

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File: dfs_interface.h

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File: dfs_ioctl.h

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File: dfs_ioctl_private.h

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qdf_net_types.h

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File: radar_filters.h

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File: qdf_status.h

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File:
cds_reg_service.c

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File: qvit_init_api.h

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 File: sha2.c

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File: wmi_tlv_helper.h

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File: stail_queue.h

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//
// @(#)queue.h 8.5 (Berkeley) 8/20/94
// $FreeBSD: src/sys/sys/queue.h,v 1.58 2004/04/07 04:19:49 imp Exp $
// $Id: //components/rel/wlanfw_cmn.cnss/1.0/cnss_proc/wlan/fwcommon/include/queue.h#1 $
//
```

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File: queue.h

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File: ipv4.h

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File: ipv6.h

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File: epping_test.h

```
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File: wdi_ipa.h

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File: dbglog.h

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File: wlan_nan_msg_common.h

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File: wlan_nan_msg_common_v2.h

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File: dbglog_id.h

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File: htt_deps.h

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File: htt_common.h

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htc_services.h

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wmi_unified_vendor.h

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File: strcpy.c

/* \$OpenBSD: strcpy.c,v 1.11 2006/05/05 15:27:38 millert Exp \$ */

/*

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File: program_xml.py

#####

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File:
interrupt_xml.py

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```
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/*

* \$Header: //components/rel/core.riscv/1.0/api/kernel/libstd/stringl/stringl.h#2 \$

* \$DateTime: 2019/11/15 03:07:20 \$

*/

/* \$OpenBSD: string.h,v 1.17 2006/01/06 18:53:04 millert Exp \$ */

/* \$NetBSD: string.h,v 1.6 1994/10/26 00:56:30 cgd Exp \$ */

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* @(#)string.h 5.10

(Berkeley) 3/9/91

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File: ezxml.py

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File: strlcat.c

/* \$OpenBSD: strlcat.c,v 1.13 2005/08/08 08:05:37 espie Exp \$ */

/*

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File: merge.py

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File: dlfcn.h

/* \$NetBSD: dlfcn.h,v 1.17.2.1 2005/03/21 21:25:37 jwise Exp \$ */

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File: md5.h

/*=====

MD5.H - header file for MD5C.C

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=====
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File: zconf.h

/* zconf.h -- configuration of the zlib compression library

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*/

/* @(#) \$Id: //components/rel/core.wpss/1.0/api/services/zconf.h#1 \$ */

=====
===

File: zlib.h

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

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

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

*/

=====
===

File: exec_elf.h

```
/* $NetBSD: exec_elf.h,v 1.81 2005/02/26 22:25:34 perry Exp $ */
```

```
/*-
```

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* by Christos Zoulas.
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File: headers.c

/* \$NetBSD: headers.c,v 1.20 2005/01/09 12:43:23 simonb Exp \$ */

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```

/*
 * Dynamic linker for ELF.
 *
 * John Polstra <jdp@polstra.com>.
 */

```

```

=====
===

```

File: wcslcpy.c

```

/*
 * $Header: //components/rel/core/wpss/1.0/kernel/libstd/src/wcslcpy.c#1 $
 * $DateTime: 2020/07/06 22:28:14 $
 */

/* $OpenBSD: strlcpy.c,v 1.11 2006/05/05 15:27:38 millert Exp $ */

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File: qurt_atomic_ops.h

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File: atomic_ops.h

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File: load.c

```

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File: wstrncpy.c

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* \$Header: //components/rel/core/wpss/1.0/kernel/libstd/src/wstrncpy.c#1 \$
* \$DateTime: 2020/07/06 22:28:14 \$
*/

/* \$OpenBSD: strncpy.c,v 1.11 2006/05/05 15:27:38 millert Exp \$ */

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File: paths.c

```

/* $NetBSD: paths.c,v 1.32 2004/10/22 05:39:56 skrl Exp $ */

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/*

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File: rtd_start.S

/* \$NetBSD: rtd_start.S,v 1.8 2004/08/21 11:12:03 rearnsha Exp \$ */

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File: reloc.c

/* \$NetBSD: reloc.c,v 1.87 2005/01/09 14:58:15 martin Exp \$ */

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File: strlen.c

/*
* \$Header: //components/rel/core/wpss/1.0/kernel/libstd/src/strlen.c#1 \$
* \$DateTime: 2020/07/06 22:28:14 \$
*/

/* \$OpenBSD: strlen.c,v 1.3 2010/06/02 12:58:12 millert Exp \$ */

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/* OPENBSD ORIGINAL: lib/libc/string/strlen.c */

=====
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File: rtld.c

/* \$NetBSD: rtld.c,v 1.107.2.1 2006/02/01 20:38:06 tron Exp \$ */

```

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File: debug.c

```

/* $NetBSD: debug.c,v 1.6 2004/10/22 05:39:56 skrll Exp $ */

```

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File: debug.h

```
/* $NetBSD: debug.h,v 1.5 2002/09/12 22:56:28 mycroft Exp $ */

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File: rtld.h

/* \$NetBSD: rtld.h,v 1.71 2004/07/05 11:50:07 cube Exp \$ */

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/*
 * Description: Implementation of printf
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/*

* Author: Alex Webster

*/

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==

File: alloc.c

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 ===

File: strlcatK.c

```
/* $OpenBSD: strlcat.c,v 1.13 2005/08/08 08:05:37 espie Exp $ */

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```

=====
 ===

File: strlcpyK.c

```
/*=====

                                strlcpyK.c

/*
 *
 */

/* $OpenBSD: strlcpy.c,v 1.11 2006/05/05 15:27:38
   millert Exp $ */

/*
```

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File: ecc_xml.py

```
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File: physpool_xml.py

```
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File:

wlan_md_elf.h

```
/* $NetBSD: exec_elf.h,v 1.81 2005/02/26 22:25:34 perry Exp $ */
```

```
/*_
```

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* by Christos Zoulas.
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```
*/
```

```
=====
```

File: secnlsfast.c

/* \$Id: //components/rel/core.wpss/1.0/securemsm/crypto/shared/src/secnlsfast.c#1 \$ */

/* nlsfast: NLS stream cipher and Mundja MAC -- fast implementation */

/*

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File: curve25519.c

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*/

/* This code is mostly taken from the ref10 version of Ed25519 in SUPERCOP

* 20141124 (<http://bench.cr.yp.to/supercop.html>).

*

* The field functions are shared by Ed25519 and X25519 where possible. */

=====
===

File: aes_core.h

Source:

https://source.codeaurora.org/quic/lc/native_client/pnacl-llvm-testsuite/

MultiSource/Benchmarks/MiBench/security-rijndael/aes.h

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File: mode_hdr.h

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Issue Date: 07/10/2010

*/

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File: gcm_sw.h

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Issue Date: 11/01/2011

I am grateful for the work done by Mark Rodenkirch and Jason Papadopoulos
in helping to remove a bug in the operation of this code on big endian
systems when fast buffer operations are enabled.

*/

=====
===

File:
des_sw_cmn.c

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*/

```

```

=====
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```

File: aes_sw_cmh.c

```

/*

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```

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File: gf128mul.c

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File: sha1_sw.c

```
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 * by Eric Young (eay@cryptsoft.com).
 * The implementation was written so as to conform with Netscapes SSL.
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File: des_ecb_sw.c

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File: gf128mul.h

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File:

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File: sha2512_sw.c

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File: hmac_ce.c

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File: uclib_openssl.h

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File: gf_mul_lo.h

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Issue Date: 11/01/2011

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File: hmac_sw.c

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File: cipher.h

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aes_ecb_sw.c

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* =====
*
*/
=====
=====

```

File: inffast.c

```

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*/

```

```
=====
===

File: md32_common.h
```

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 */
```

```
=====
===

File: aes_cbc_cts_sw.c
```

```
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* =====
*
*/

```

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=====
=====

```

File: hash_sw_cmh.c

```

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*
*/

```

```

File:

```

```

pbkdf2.c

```

```

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- */

=====

File: aes_gcm_sw.c

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- * =====
- *
- */

=====

=====

File: aes_xts_sw.c

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- * =====
- *
- * /

=====

===

File: inflate.c

```
/* inflate.c -- zlib decompression
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```

*/

=====
===

File: inflate.h

/* inflate.h -- internal inflate state definition

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*/

=====
===

File: aes_ccm_sw.c

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```

File: sha2256_sw.c

```

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*/

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File: md5_sw.c

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* =====

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*/

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File: infrees.h

```

```

/* infrees.h -- header to use infrees.c

```

```

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```

```

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```

```

*/

```

```

=====

```

File: inftrees.c

```
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=====

File: hash.h

```
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*

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File:ccm_sw.c

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*/

=====
==

File: md5_sw_cmn.c

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=

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Issue Date: 20/12/2007

*/

=====

File: trees.c

/* trees.c -- output deflated data using Huffman coding
* Copyright (C) 1995-2016 Jean-loup Gailly
* detect_data_type() function provided freely by Cosmin Truta, 2006
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File: ccm_sw.h

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```

```

* =====

```

```

*

```

```

*/

```

```

=====
=====

```

File: zutil.h

```

/* zutil.h -- internal interface and configuration of the compression library
* Copyright (C) 1995-2016 Jean-loup Gailly.
* For conditions of distribution
and use, see copyright notice in zlib.h
*/

```

```
=====
File: brg_types.h
```

```
/*
```

```
-----
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```

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```
-----
Issue Date: 20/12/2007
```

```
*/
```

```
=====
File:
```

```
sha_sw_cmn.c
```

```
/*=====
```

```
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```

```
*
```

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* =====
*
*/

```

```

=====
=====

```

File: uncompr.c

```

/* uncompr.c -- decompress a memory buffer
* Copyright (C) 1995-2003, 2010-2016 Jean-loup Gailly.
* For conditions of distribution and use, see copyright notice in zlib.h
*/

```

```

=====

```

File: sha2384_sw.c

```

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```

```
* =====
*
*/
```

```
=====
===
```

File: gcm_sw.c

```
/*
```

```
-----
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```

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and fitness for purpose.

```
-----
Issue Date: 30/03/2011
```

```
*/
```

```
=====
```

File: adler32.c

```
/* adler32.c -- compute the Adler-32 checksum of a data stream
* Copyright (C) 1995-2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

```
=====
```

File: zutil.c

```
/* zutil.c -- target dependent utility functions for the compression library
* Copyright (C) 1995-2005, 2010, 2011, 2012-2016 Jean-loup Gailly.
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```


=====
File: compress.c

```
/* compress.c -- compress a memory buffer
 * Copyright (C) 1995-2016 Jean-loup Gailly.
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

=====
File: crc32.c

```
/* crc32.c -- compute the CRC-32 of a data stream
 * Copyright (C) 1995-2006, 2010, 2011, 2012-2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 *
 * Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster
 * CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing
 * tables for updating the shift register in one step with three exclusive-ors
 * instead of four steps with four exclusive-ors. This results in about a
 * factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.
 */
```

=====
File: deflate.c

```
/* deflate.c --
 compress data using the deflation algorithm
 * Copyright (C) 1995-2016 Jean-loup Gailly and Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

=====
File: infback.c

```
/* infback.c -- inflate using a call-back interface
 * Copyright (C) 1995-2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

=====
File: deflate.h

```
/* deflate.h -- internal compression state
```


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*/

=====

File: platform_cmnos_printf.c

/*-

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* Chris Torek.

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*/

=====

===

File: md5_api.h

```
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 */
```

```
/*
 * MD5 hash implementation and interface functions
 * Copyright (c) 2003-2005, Jouni Malinen <jkmaline@cc.hut.fi>
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 */
```

=====

===

File: if_ethersubr.h

```
/*
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 */

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//
// $Id:
//components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_ethersubr.h
#3 $
//
```

```
=====
===
```

File: aes_gcm.h

```
/* Galois/Counter Mode (GCM) and GMAC with AES
*
* Copyright (c) 2012, Jouni Malinen <j@w1.fi>
*
* This software may be distributed under the terms of the BSD license.
* See README for more details.
*/
```

```
=====
===
```

File: aes_wrap.h

```
/* For this file, which was received with alternative licensing options for
* distribution, Qualcomm Atheros, Inc. has selected the BSD license.
```

```

*/

/*
* AES-based functions
*
*
* - AES Key Wrap Algorithm (128-bit
  KEK) (RFC3394)
* - One-Key CBC MAC (OMAC1) hash with AES-128
* - AES-128 CTR mode encryption
* - AES-128 EAX mode encryption/decryption
* - AES-128 CBC
*
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*/

```

```

=====
=

```

File: sha1.h

```

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* distribution, Qualcomm Atheros, Inc. has selected the BSD license.
*/

```

```

/*
* SHA1 hash implementation and interface functions
* Copyright (c) 2003-2005, Jouni Malinen <jkmaline@cc.hut.fi>
*
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* license.
*
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*/

```

=====
===

File: sha2.h

```
/*
 * FILE:  sha2.h
 * AUTHOR: Aaron D. Gifford - http://www.aarongifford.com/
 *
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 * SUCH DAMAGE.
 *
 * $Id: //depot/sw/branches/qca_rome_main/perf_pwr_offload/drivers/target/include/sha2.h#1 $
 */
```

=====
===

File: ieee_crc32.c

```
/*
 * COPYRIGHT (C) 1986 Gary S. Brown.  You may use this program, or
 * code or tables extracted from it, as desired without restriction.
```

*

* CRC32 code derived from work by Gary S. Brown.

*/

=====

File: crypto.h

/*

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* distribution, Qualcomm Atheros, Inc. has selected the BSD license.

*/

/*

* WPA Supplicant / wrapper functions for crypto libraries

* Copyright (c) 2004-2005, Jouni Malinen <jkmaline@cc.hut.fi>

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*/

=====

===

File: md5.c

//

//

// This code implements the MD5 message-digest algorithm.

// The algorithm is due to Ron Rivest. This code was

// written by Colin Plumb in 1993, no copyright is claimed.

// This code is in the public domain; do with it what you wish.

//

// Equivalent code is available from RSA Data Security, Inc.

// This code has been tested against that, and is equivalent,

// except that you don't need to include two pages of legalese

// with every copy.

//

// To compute the message digest of a chunk of bytes, declare an

// MD5Context structure, pass it to MD5Init, call MD5Update as


```
// needed on buffers full of bytes, and then call MD5Final, which
// will fill a supplied 16-byte array with the digest.
//
```

```
=====
===
```

File:
sha1.c

```
/*
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 */
```

```
/*
 * SHA1 hash implementation and interface functions
 * Copyright (c) 2003-2005, Jouni Malinen <jkmaline@cc.hut.fi>
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 */
```

```
=====
===
```

File: aes.c

```
/*
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 */

/*
 * AES (Rijndael) cipher
 *
 * Modifications to public domain implementation:
 * - support only 128-bit
  keys
 * - cleanup
 * - use C pre-processor to make it easier to change S table access
 * - added option (AES_SMALL_TABLES) for reducing code size by about 8 kB at
```

```

* cost of reduced throughput (quite small difference on Pentium 4,
* 10-25% when using -O1 or -O2 optimization)
*
* Copyright (c) 2003-2005, Jouni Malinen <jkmaline@cc.hut.fi>
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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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=====
===

File: aes_gcm.c

/*

```

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=====
File: aes_wrap.c

/*
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*/

/*
* AES-based functions
*
* - AES Key Wrap Algorithm (128-bit KEK) (RFC3394)
* - One-Key CBC MAC (OMAC1) hash with AES-128
* - AES-128 CTR mode encryption
* - AES-128 EAX mode encryption/decryption
* - AES-128 CBC
*
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=====
File:
hca_HwComponentBbLithium_dfs_process_phyerr.cpp

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*
*/

```

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*/

```

```

=====

```

File:

hca_HwComponentBbLithium_dfs_process_radarevent.cpp

```

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*/

```

```

=====

```

File: wmi_tlv_helper.c

```

/*
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```

```

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*/

```

```

=====

```

File: phyOsApiWindowsSem.c

```

/*
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WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
See the License for the specific language governing permissions and
limitations under the License.
*/

```

```

/*
Simple Windows replacement for POSIX semaphores
Modified by Daniel Tillett from libpthread <http://github.com/songdongsheng/libpthread>
Copyright (c) 2015, Daniel Tillett <daniel.tillett @ gmail.com>
*/

```

```

=====

```

===

File: phyOsApiWindowsSem.h

/*

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*/

/*

Simple Windows replacement for POSIX semaphores

Modified by Daniel Tillett from libpthread <<http://github.com/songdongsheng/libpthread>>

Copyright (c) 2015, Daniel Tillett <daniel.tillett @ gmail.com>

*/

=====
===

File: phyUtilsStrlcpy.c

/* \$OpenBSD: strlcpy.c,v 1.11 2006/05/05 15:27:38 millert Exp \$ */

/*-

* Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

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File: wlan_defs.h

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File: wma_dfs_interface.h

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File: phyrf_dfs.c

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File: cds_reg_service.c

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File: ath_dfs_structs.h

```

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File: dfs.c

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```

==

```

File: wma_dfs_interface.c

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File: _ieee80211.h

```
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 * os/include/_ieee80211.h copies.
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File: dfs.h

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File: dfs_bindetects.c

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File: dfs_interface.h

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File: cds_ieee80211_common.h

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File: dfs_ioctl.h

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File: cds_ieee80211_common_i.h

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File: dfs_fcc_bin5.c


```

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File: dfs_ioctl_private.h

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File: cds_ieee80211_defines.h

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File: dfs_init.c

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File: dfs_misc.c

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File: common.h

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```

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wpa_i.h

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//
// $Id:
```

```
//components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_llc.h#3 $
// $NetBSD: if_llc.h,v 1.12 1999/11/19 20:41:19 thorpej Exp $
// $Id:

//components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_llc.h#3 $
//

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 *
 * @(#)if_llc.h 8.1 (Berkeley) 6/10/93
 * $FreeBSD: src/sys/net/if_llc.h,v
 * 1.9 2002/09/23 06:25:08 alfred Exp $
 */

=====
===
```


File: wlan_mlme_wmi.c

```
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 */
```

```
=====
===
```

File: apf.h

```
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 * limitations under the License.
 */
```

```
=====
===
```

File: wlan_p2p_listen_offload.c

```
/*
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 * Technologies, Inc. has selected the BSD license.
 */
/*
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 */
/*
 * Wi-Fi Protected Setup - attribute parsing
 * Copyright (c) 2008, Jouni Malinen <j@w1.fi>
 *
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 * See README for more details.
 */
```

=====
===

File: apf_interpreter.c

```
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 */
```

=====
===

File: apf_interpreter.h

```
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*/

=====
File: wlan_p2p_listen_offload_int.h

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/*
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* Copyright (c) 2008, Jouni Malinen <j@w1.fi>
*
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*/

=====
File: sha256-kdf.c

/*
* HMAC-SHA256 KDF (RFC 5295) and HKDF-Expand(SHA256) (RFC 5869)
* Copyright (c) 2014-2017, Jouni Malinen <j@w1.fi>
*
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*/

File: sha2.c

```
/*
 * FILE: sha2.c
 * AUTHOR: Aaron D. Gifford - http://www.aarongifford.com/
 *
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File: my_nan_sec.c

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/*
```

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```

```

=====
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```

File: aes-ctr.c

```

/*
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*
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*/

```

```

=====
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```

File: mywpa.c

```

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File: sha256.h

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File: aes-siv.c

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*/

=====

File: wmi_vendor.h

```
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 */
```

=====

File: sha384-internal.c

```
/*
 * SHA-384 hash implementation and interface functions
 * Copyright (c) 2015, Pali Rohr <pali.rohr@gmail.com>
 *
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 * See README for more details.
 */ README for more details.
*/
```

=====

File: aes_siv.h

```
/*
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/*
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 * Copyright (c) 2013 Cozybit, Inc.
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File: wmi_vendor_ss.h

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File: sha384-prf.c

/*
* SHA384-based KDF (IEEE 802.11ac)
* Copyright (c) 2003-2017, Jouni Malinen <j@w1.fi>
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=====

File: sha384.c


```
/*
 * SHA-384 hash implementation and interface functions
 * Copyright (c) 2003-2017, Jouni Malinen <j@w1.fi>
 *
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 */
```

=====

File: wlan_p2p_disc_offload_internal.h

```
/*
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 */
```

```
/*
 * Wi-Fi Protected Setup - message definitions
 * Copyright
 * (c) 2008, Jouni Malinen <j@w1.fi>
 *
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 * See README for more details.
 */
```

=====

File: mywpa_common.c

```
/*
 * WPA/RSN - Shared functions for supplicant and authenticator
 * Copyright (c) 2002-2018, Jouni Malinen <j@w1.fi>
 *
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 * See README for more details.
 */
```

=====

===

File: sha384.h

```
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 * SHA384 hash implementation and interface functions
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File: fils.c

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=====

File: mywpa_common.h

/*

* WPA definitions shared between hostapd and wpa_supplicant

* Copyright (c) 2002-2018, Jouni Malinen <j@w1.fi>

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File: sha384_i.h

/*

* SHA-384 internal definitions

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File: fils.h

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mywpa_ft.c

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File: sha512-internal.c

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* SHA-512 hash implementation and interface functions
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File: sha512_i.h

```

/*
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```

=====

File: wmi_unified_priv.h

```

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File:
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File:

wal_dfs.h

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*/
```

```
=====
===
```

File: wlan_p2p_disc_offload.c

```
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```

```
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```

```
=====
```

File: wlan_p2p_listen_offload_int.c

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```

```
=====
```

File: wlan_module_ids.h

```
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 */
```

=====

File: hca_HwComponentBbLithium_dfs_phyerr_tlv.cpp

```
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 */
```


*/

=====
===

File: wal_dfs.c

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*/

=====
===

File: hca_HwComponentBbLithium_dfs_radar_report.h

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File: radar_filters.h

```
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File: suppl_auth_api.h

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*/

=====
===

File: sm4_core.h

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```
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 */

/*
 * Author: Malcolm Purvis <malcolmp@ok-labs.com>
 * Author: Carlos Dyonisio <medaglia@ok-labs.com>

*/

=====
File: qurt_atomic_ops.h

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*/

/*

* Author: Malcolm Purvis <malcolmp@ok-labs.com>

*

* This file is only included by the main atomic_ops.h, so all of that

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*/

=====
File: tailq.h

```

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- /*
- * Author: Alex Webster
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File: htt_common.h

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File: wlan_defs.h

```

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```

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=====
File: wlan_nan_msg_common.h

```

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File: wlan_nan_msg_common_v2.h

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File: enet.h

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File: htc.h

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File: ip_prot.h

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File: queue.h

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*/

=====
File: stail_queue.h

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//

// @(#)queue.h 8.5 (Berkeley) 8/20/94

// \$FreeBSD: src/sys/sys/queue.h,v 1.58 2004/04/07 04:19:49 imp Exp \$

// \$Id: //components/rel/wlanfw_cmn.cnss/1.0/cnss_proc/wlan/fwcommon/include/queue.h#1 \$

//
=====

File: targaddr.h

/*

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File: targcfg.h

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=====

File: wal_rx_desc.h

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=====
File: aes_gcm.h

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*/

=====
File: aes_wrap.h

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*/

/*
* AES-based functions
*
*
* - AES Key Wrap Algorithm (128-bit KEK) (RFC3394)
* - One-Key CBC MAC (OMAC1) hash with AES-128
* - AES-128 CTR mode encryption
* - AES-128 EAX mode encryption/decryption
* - AES-128 CBC
*
* Copyright (c) 2003-2005, Jouni Malinen <jkmaline@cc.hut.fi>
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* MD5 hash implementation and interface functions
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```

```

=====
File: sha1.h

```

```

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```

```

=====
File: sha2.h

```

```

/*
* FILE:  sha2.h
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*
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- *
- * \$Id: //depot/sw/branches/qca_rome_main/perf_pwr_offload/drivers/target/include/sha2.h#1
- \$
- */

=====

File: wal_dfs.h

```
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 */
```

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File:

if_ethersubr.h

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//
// $Id: //components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_ethersubr.h#3 $
//
=====
File: wal_phy_dev.h
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=====
File: wal_virtual_dev.h

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File:

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wal_dfs.c
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=====
 File:

ieee_crc32.c

/*

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 * code or tables extracted from it, as desired without restriction.

*

* First, the polynomial itself and its table of feedback terms. The
 * polynomial is

* $X^{32} + X^{26} + X^{23} + X^{22} + X^{16} + X^{12} + X^{11} + X^{10} + X^8 + X^7 + X^5 + X^4 + X^2 + X^1 + X^0$

*

* Note that we take it "backwards" and put the highest-order term in
 * the lowest-order bit. The X^{32} term is "implied"; the LSB is the
 * X^{31} term, etc. The X^0 term (usually shown as "+1") results in
 * the MSB being 1

*

* Note that the usual hardware shift register implementation, which
 * is what we're using (we're merely optimizing it by doing eight-bit
 * chunks at a time) shifts bits into the lowest-order term. In our
 * implementation, that means shifting towards the right. Why do we
 * do it this way? Because the calculated CRC must be transmitted in
 * order from highest-order term to lowest-order term. UARTs transmit
 * characters in

order from LSB to MSB. By storing the CRC this way

* we hand it to the UART in the order low-byte to high-byte; the UART
 * sends each low-bit to high-bit; and the result is transmission bit
 * by bit from highest- to lowest-order term without requiring any bit
 * shuffling on our part. Reception works similarly

*

* The feedback terms table consists of 256, 32-bit entries. Notes

*

* The table can be generated at runtime if desired; code to do so
 * is shown later. It might not be obvious, but the feedback
 * terms simply represent the results of eight shift/xor opera
 * tions for all combinations of data and CRC register values

*

* The values must be right-shifted by eight bits by the "updcrc
 * logic; the shift must be unsigned (bring in zeroes). On some
 * hardware you could probably optimize the shift in assembler by
 * using byte-swap instructions
 * polynomial \$edb88320


```

*
*
* CRC32 code derived from work by Gary S.
  Brown.
*/
=====
File: aes.c
/*
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/*
* AES (Rijndael) cipher
*
* Modifications to public domain implementation:
* - support only 128-bit keys
* - cleanup
* - use C pre-processor to make it easier to change S table access
* - added option (AES_SMALL_TABLES) for reducing code size by about 8 kB at
  cost of reduced throughput (quite small difference on Pentium 4,
  10-25% when using -O1 or -O2 optimization)
*
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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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```

```

*/

```

```

=====
File: aes_gcm.c

```

```

/*
* Galois/Counter Mode (GCM) and GMAC with AES
*
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```

```

*/

```

```

=====
File: aes_wrap.c

```

```

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```

```

*/

```

```

/*
* AES-based functions
*
* - AES Key Wrap Algorithm (128-bit KEK) (RFC3394)
* - One-Key CBC MAC (OMAC1) hash with AES-128
* - AES-128 CTR mode encryption
* - AES-128 EAX mode encryption/decryption
* - AES-128 CBC

```

```

*

```

```

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* <jkmaline@cc.hut.fi>

```

```

*

```

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*

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=====
File: common.h

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* wpa_supplicant/hostapd / common helper functions, etc.
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File: crypto.h

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* WPA Supplicant / wrapper functions for crypto libraries
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*
* This file defines the cryptographic functions that need to be implemented
* for wpa_supplicant and hostapd. When TLS is not used, internal
* implementation of MD5, SHA1, and AES is used and no external libraries are
* required. When TLS

is enabled (e.g., by enabling EAP-TLS or EAP-PEAP), the

- * crypto library used by the TLS implementation is expected to be used for
- * non-TLS needs, too, in order to save space by not implementing these
- * functions twice.
- *
- * Wrapper code for using each crypto library is in its own file (crypto*.c)
- * and one of these files is build and linked in to provide the functions
- * defined here.
- */

=====
File: md5.c

```
//
// $Id: //depot/sw/branches/qca_main_wifi2.0/perf_pwr_offload/drivers/target/src/misc/crypto/md5.c#1 $
//
// This code implements the MD5 message-digest algorithm.
// The algorithm is due to Ron Rivest. This code was
// written by Colin Plumb in 1993, no copyright is claimed.
// This code is in the public domain; do with it what you wish.
//
// Equivalent code is available from RSA Data Security, Inc.
// This code has been tested against that, and is equivalent,
// except that you don't need to
// include two pages of legalese
// with every copy.
//
// To compute the message digest of a chunk of bytes, declare an
// MD5Context structure, pass it to MD5Init, call MD5Update as
// needed on buffers full of bytes, and then call MD5Final, which
// will fill a supplied 16-byte array with the digest.
//
```

=====
File: sha1.c

```
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 */

/*
 * SHA1 hash implementation and interface functions
 * Copyright (c) 2003-2005, Jouni Malinen <jkmaline@cc.hut.fi>
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*/

=====
File:

cil.h

/* =====
* \$File: //depot/sw/branches/qca_main_wifi2.0/perf_pwr_offload/drivers/target/include/cil.h \$
* \$Revision: #1 \$
* \$Date: 2013/07/12 \$
* \$Change: 2108597 \$
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===== */

=====
File: dwc_dev.h

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* ===== */

=====

File:
dwc_os_dev.h
/* =====
* $File: //depot/sw/branches/qca_main_wifi2.0/perf_pwr_offload/drivers/target/include/os_dev.h $
* $Revision: #1 $
* $Date: 2013/07/12 $
* $Change: 2108597 $
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* ===== */

=====
File: pcd.h

/* =====

* \$File: //depot/sw/branches/qca_main_wifi2.0/perf_pwr_offload/drivers/target/include/pcd.h \$

* \$Revision: #1 \$

* \$Date: 2013/07/12 \$

* \$Change: 2108597 \$

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* ===== */

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File: whal_api.h

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File: whal_desc.h

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/*

=====

File: queue.h

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//

// @(#)queue.h 8.5 (Berkeley) 8/20/94

// \$FreeBSD: src/sys/sys/queue.h,v 1.58 2004/04/07 04:19:49 imp Exp \$

// \$Id: //depot/sw/branches/qca_main_wifi2.0/perf_pwr_offload/drivers/target/src/sim_wifi_ip02/include/queue.h#2

\$

//

=====

File: platform_cmnos_printf.c

/*-

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File: phyOsApiWindowsSem.h

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```

/*
Simple Windows replacement for POSIX semaphores
Modified by Daniel Tillett from libpthread <http://github.com/songdongsheng/libpthread>
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*/
=====
File: phyOsApiWindowsSem.c
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*/
=====
File: phyUtilsStrlcpy.c
/* $OpenBSD: strlcpy.c,v 1.11 2006/05/05 15:27:38 millert Exp $ */

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```

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```

```

File: dfs.h

```

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```

```

/*

```

```

=====

```

```

File: dfs_interface.h

```



```

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```

```

=====
File: dfs_ioctl.h

```

```

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```

```

=====
File: dfs_ioctl_private.h

```

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```

```

=====
File: qdf_net_types.h

```

```

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```

```

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File: radar_filters.h

```

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```

```

=====

```

```

File: types.h

```

```

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```

```

=====

```

```

File: cds_reg_service.h

```

```

/*

```

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```

```

=====

```

```

File: qdf_status.h

```

```

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```

```

/*

```

```

=====

```

```

File: wma_dfs_interface.h

```

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```

```

=====

```

```

File: cds_reg_service.c

```

```

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```

```

=====

```

```

File: dfs_bindetects.c

```

```

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```

```

/*
*

```

```

=====
File: dfs.c

```

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```

```

=====
File: dfs_debug.c

```

```

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```

```

=====
File: dfs_fcc_bin5.c

```

```

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```

```

=====

```

File: dfs_init.c

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/*

=====

File: dfs_misc.c

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File: dfs_nol.c

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=====
File: phyrf_dfs.c

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File: common.h

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//
// $Id: //components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_llc.h#3 $
// $NetBSD: if_llc.h,v 1.12 1999/11/19 20:41:19 thorpej Exp $
// $Id: //components/rel/wlanfw.cnss/1.0.1/cnss_proc/wlan/fw/target/src/wlan/proto/include/if_llc.h#3 $
//

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* @(#)if_llc.h 8.1 (Berkeley) 6/10/93
* $FreeBSD: src/sys/net/if_llc.h,v 1.9 2002/09/23 06:25:08 alfred Exp $
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*/

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File: sha2.c

/*

* FILE: sha2.c

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 */
/*
 * Wi-Fi Protected Setup - attribute parsing
 * Copyright (c) 2008, Jouni Malinen <j@w1.fi>
 *
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 * See README for more details.
 */
=====
```

```
File: wlan_p2p_listen_offload_int.c
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 */
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/*
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 *
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 */
```


=====
File: wlan_p2p_listen_offload_int.h

```
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 * Copyright (c) 2008, Jouni Malinen <j@w1.fi>
 *
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 */
```

=====
File: apf.h

```
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 * file except in compliance with the License.
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 */
```

=====
File: apf_interpreter.c

```
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 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
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 *
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```

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*/

=====
File: apf_interpreter.h

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*/

=====
File: wlan_p2p_disc_offload.c

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*/

=====
File: wlan_p2p_disc_offload_internal.h

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*

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*/

=====
File: aes-ctr.c

/*
* AES-128/192/256 CTR
*
* Copyright (c) 2003-2007, Jouni Malinen <j@w1.fi>
*
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* See README for more details.
*/

=====
File: aes-siv.c

/*
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*/

/*
* AES SIV (RFC 5297)
* Copyright (c) 2013 Cozybit, Inc.
*
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* See README for more details.
*/

=====
File: aes_siv.h

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* AES SIV (RFC 5297)
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*
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license.
* See README for more details.
*/

=====
File: crypto.h

```

/*
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 */

/*
 * WPA Supplicant / wrapper functions for crypto libraries
 * Copyright (c) 2004-2005, Jouni Malinen <jkmaline@cc.hut.fi>
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 *
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 *
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 *
 * This file defines the cryptographic functions that need to be implemented
 * for wpa_supplicant and hostapd. When TLS is not used, internal
 * implementation of MD5, SHA1, and AES is used and no external libraries are
 * required. When TLS is enabled
 * (e.g., by enabling EAP-TLS or EAP-PEAP), the
 * crypto library used by the TLS implementation is expected to be used for
 * non-TLS needs, too, in order to save space by not implementing these
 * functions twice.
 *
 * Wrapper code for using each crypto library is in its own file (crypto*.c)
 * and one of these files is build and linked in to provide the functions
 * defined here.
 */

```

```

=====
File: fils.c

```

```

/* WPA/RSN - Shared functions for supplicant and authenticator
 * EAP common peer/server definitions
 * EAP peer state machines (RFC 4137)
 * Copyright (c) 2002-2018, Jouni Malinen <j@w1.fi>
 *
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 */

```

```

=====
File: fils.h

```

```

/*
 * WPA/RSN - Shared functions for supplicant and authenticator
 * EAP common peer/server definitions
 * EAP

```

peer state machines (RFC 4137)

* Copyright (c) 2002-2018, Jouni Malinen <j@w1.fi>

*

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=====

File: m1_m4_frame.c

/*

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*/

/* RC4 stream cipher

* Copyright (c) 2002-2005, Jouni Malinen <j@w1.fi>

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=====

File: my_nan_sec.c

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* WPA Supplicant - WPA state machine and EAPOL-Key processing

* Copyright (c) 2003-2005, Jouni Malinen

<jkmaline@cc.hut.fi>

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/*

```

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```

```

=====
File: mywpa_common.c

```

```

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```

```

=====
File: mywpa_common.h

```

```

/*
* WPA definitions shared between hostapd and wpa_supplicant
* Copyright (c) 2002-2018, Jouni Malinen <j@w1.fi>
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```

```

=====
File: mywpa_ft.c

```

```

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```

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* 802.11r - Fast BSS Transition
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=====
File: mywpa_ft.h

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=====
File: sha256.c

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*/

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* SHA-256 hash implementation and interface functions
* Copyright (c) 2003-2007, Jouni Malinen <j@w1.fi>
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=====
File: sha256.h

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/*

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*/

=====
File: sha256-kdf.c

/*

* HMAC-SHA256 KDF (RFC 5295) and HKDF-Expand(SHA256) (RFC 5869)
* Copyright (c) 2014-2017, Jouni Malinen <j@w1.fi>
*
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*/

=====
File: sha384.c

/*

* SHA-384 hash implementation and interface functions
* Copyright (c) 2003-2017,
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*
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*/

=====
File: sha384.h

/*

* SHA384 hash implementation and interface functions
* Copyright (c) 2015-2017, Jouni Malinen <j@w1.fi>
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*/

=====
File: sha384_i.h

/*

* SHA-384 internal definitions

* Copyright (c) 2015, Pali Rohr <pali.rohar@gmail.com>

*

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*/

=====
File: sha384-internal.c

/*

* SHA-384 hash implementation and interface functions

* Copyright (c) 2015, Pali Rohr <pali.rohar@gmail.com>

*

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*/

=====
File: sha384-prf.c

/*

* SHA384-based KDF (IEEE 802.11ac)

* Copyright (c) 2003-2017, Jouni Malinen <j@w1.fi>

*

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* See README for more details.

*/

=====
File: sha512_i.h

/*

* SHA-512 internal definitions

* Copyright (c) 2015, Pali Rohr <pali.rohar@gmail.com>

*

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*/

=====
File: sha512-internal.c

/*

* SHA-512 hash implementation and interface functions

* Copyright (c) 2015, Pali Rohr <pali.rohar@gmail.com>

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for more details.

*/

=====
File: stringl.h

/* \$OpenBSD: string.h,v 1.17 2006/01/06 18:53:04 millert Exp \$ */

/* \$NetBSD: string.h,v 1.6 1994/10/26 00:56:30 cgd Exp \$ */

/*_

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* SUCH DAMAGE.

*

* @(#)string.h 5.10 (Berkeley) 3/9/91

*/

=====
File: strlcpy.c

/* \$OpenBSD: strlcpy.c,v

1.11 2006/05/05 15:27:38 millert Exp \$ */

/*

* Copyright (c) 1998 Todd C. Miller <Todd.Miller@courtesan.com>

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 */

```
=====
File: lz.c
```

```
//
// Name:    lz.c
// Author:   Marcus Geelnard
// Description:
//           LZ77 coder/decoder implementation.
// Reentrant: Yes
// $ATH_LICENSE_NULL$
//
// The LZ77 compression scheme is a substitutional compression scheme
// proposed by Abraham Lempel and Jakob Ziv in 1977. It is very simple in
// its design, and uses no fancy bit level compression.
//
// This is my first attempt at an implementation of a LZ77 code/decoder.
//
// The principle of the LZ77 compression algorithm is to store repeated
// occurrences of strings as references to previous occurrences of the same
// string. The point is that the reference consumes less space than the
// string itself, provided that the string is long enough (in this
// implementation, the string has to be at least 4 bytes long, since the
// minimum coded reference is 3 bytes long). Also note that the term
// "string" refers to any kind of byte sequence (it does not have to be
// an ASCII string, for instance).
//
// The coder uses a brute force approach to finding string matches in the
// history buffer
// (or "sliding window", if you wish), which is very, very
// slow. I recon the complexity is somewhere between  $O(n^2)$  and  $O(n^3)$ ,
// depending on the input data.
//
// There is also a faster implementation that uses a large working buffer
// in which a "jump table" is stored, which is used to quickly find
// possible string matches (see the source code for LZ_CompressFast() for
// more information). The faster method is an order of magnitude faster,
```

```

// but still quite slow compared to other compression methods.
//
// The upside is that decompression is very fast, and the compression ratio
// is often very good.
//
// The reference to a string is coded as a (length,offset) pair, where the
// length indicates the length of the string, and the offset gives the
// offset from the current data position. To distinguish between string
// references and literal strings (uncompressed bytes), a string reference
// is preceded by a marker byte, which is chosen as the least common byte
// symbol in
// the input data stream (this marker byte is stored in the
// output stream as the first byte).
//
// Occurrences of the marker byte in the stream are encoded as the marker
// byte followed by a zero byte, which means that occurrences of the marker
// byte have to be coded with two bytes.
//
// The lengths and offsets are coded in a variable length fashion, allowing
// values of any magnitude (up to 4294967295 in this implementation).
//
// With this compression scheme, the worst case compression result is
// (257/256)*insize + 1.
//
//-----
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// be misrepresented as being the original software.
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// 3. This notice may not be removed or altered from any source
// distribution.
//
// Marcus Geelnard

```

```
// marcus.geelnard at home.se
```

```
//
```

```
=====
```

```
File: lz.h
```

```
//
```

```
// Name:    lz.h
```

```
// Author:   Marcus Geelnard
```

```
// Description: LZ77 coder/decoder interface.
```

```
// Reentrant: Yes
```

```
// -----
```

```
// $ATH_LICENSE_NULL$
```

```
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//
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// distribution.
```

```
//
```

```
// Marcus Geelnard
```

```
// marcus.geelnard at home.se
```

```
//
```

```
=====
```

```
File: arm_common_tables.h
```

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

```
*
```

```
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```

```
*
```

```
* $Date:    19. October 2015
```

```
* $Revision: V.1.4.5 a
```

```
*
```

```
* Project:   CMSIS DSP Library
```

```

* Title:   arm_common_tables.h
*
* Description: This file has extern declaration for common tables like Bitreverse, reciprocal etc which are used
across different functions
*
* Target Processor: Cortex-M4/Cortex-M3
*
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* POSSIBILITY OF SUCH DAMAGE.
* -----
*/

```

```

=====
File: arm_const_structs.h

```

```

/* -----
* Copyright (C) 2010-2014 ARM Limited. All rights reserved.
*
* $Date:    19. March 2015
* $Revision: V.1.4.5
*
* Project:   CMSIS DSP Library
* Title:    arm_const_structs.h
*
* Description: This file has constant structs that are initialized for

```

* user convenience. For example, some can be given as

* arguments to the arm_cfft_f32() function.

*

* Target Processor: Cortex-M4/Cortex-M3

*

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* ----- */

=====

File: arm_math.h

/* -----

* Copyright (C) 2010-2015 ARM Limited. All rights reserved.

*

* \$Date: 20. October 2015

* \$Revision: V1.4.5 b

*

* Project: CMSIS DSP Library

* Title: arm_math.h

*

* Description: Public header file for CMSIS DSP Library

*

* Target Processor: Cortex-M7/Cortex-M4/Cortex-M3/Cortex-M0

```

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* POSSIBILITY OF SUCH DAMAGE.
* ----- */

```

```

=====

```

```

File: cmsis_armcc.h

```

```

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// $NetBSD: if_llc.h,v 1.12 1999/11/19 20:41:19
// thorpej Exp $
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 * @(#)if_llc.h 8.1 (Berkeley) 6/10/93

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// marcus.geelnard at home.se
//
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wlan/protocol/support/lz77/lz.h#1

wlan/protocol/support/lz77/lz.c#1

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wlan/mac_core/tests/serflash/flashprog/uncompr.c#1

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//
// @(#)queue.h 8.5 (Berkeley) 8/20/94
// $FreeBSD: src/sys/sys/queue.h,v 1.58 2004/04/07 04:19:49 imp Exp $
//
```

wlan/include/queue.h#1

```
=====
=====
```

```
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 * SHA1 hash implementation and interface functions
 * Copyright (c) 2003-2005, Jouni Malinen <jkmaline@cc.hut.fi>
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```


*/

wlan/mac_core/include/sha1.h
wlan/mac_core/romexport/AR900B/hw.1/include/sha1.h
wlan/mac_core/romexport/AR900B/hw.2/include/sha1.h

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/*

* FILE: sha2.h

* AUTHOR: Aaron D. Gifford - <http://www.aarongifford.com/>

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*

* \$Id: //depot/sw/branches/qca_rome_main/perf_pwr_offload/drivers/target/include/sha2.h#1 \$

*/

wlan/mac_core/romexport/AR900B/hw.1/include/sha2.h

wlan/mac_core/romexport/AR900B/hw.2/include/sha2.h

=====
=====

```
/*
 * AES-based functions
 *
 *
 * - AES Key Wrap Algorithm (128-bit KEK) (RFC3394)
 * - One-Key CBC MAC (OMAC1) hash with AES-128
 * - AES-128 CTR mode encryption
 * - AES-128 EAX mode encryption/decryption
 * - AES-128 CBC
 *
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 */
```

wlan/mac_core/include/aes_wrap.h
wlan/mac_core/romexport/AR900B/hw.1/include/aes_wrap.h
wlan/mac_core/romexport/AR900B/hw.2/include/aes_wrap.h

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=====
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```
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 * MD5 hash implementation and interface functions
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*/

wlan/mac_core/romexport/AR900B/hw.1/include/md5.h

wlan/mac_core/romexport/AR900B/hw.2/include/md5.h

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=====
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/*

* Common helper macros, etc.

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*/

wlan/mac_core/romexport/AR900B/hw.1/include/seccommon.h

wlan/mac_core/romexport/AR900B/hw.2/include/seccommon.h

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- */

/* Modified by Synopsys, Inc, 12/12/2007 */

wlan/mac_core/include/usb.h
wlan/mac_core/romexport/AR900B/hw.1/include/usb.h
wlan/mac_core/romexport/AR900B/hw.2/include/usb.h

=====
=====

/*
=====

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 * ===== */

wlan/mac_core/include/cil.h
 wlan/mac_core/romexport/AR900B/hw.1/include/cil.h
 wlan/mac_core/romexport/AR900B/hw.2/include/cil.h
 wlan/mac_core/include/dev.h
 wlan/mac_core/romexport/AR900B/hw.1/include/dev.h
 wlan/mac_core/romexport/AR900B/hw.2/include/dev.h
 wlan/mac_core/include/os_dev.h
 wlan/mac_core/romexport/AR900B/hw.1/include/os_dev.h
 wlan/mac_core/romexport/AR900B/hw.2/include/os_dev.h
 wlan/mac_core/include/usb3_hw.h
 wlan/mac_core/romexport/AR900B/hw.1/include/usb3_hw.h
 wlan/mac_core/romexport/AR900B/hw.2/include/usb3_hw.h
 wlan/mac_core/include/pcd.h
 wlan/mac_core/romexport/AR900B/hw.1/include/pcd.h
 wlan/mac_core/romexport/AR900B/hw.2/include/pcd.h

=====
 =====

/*
 * \$Header: //source/qcom/qct/core/api/kernel/main/latest/libstd/stringl/stringl.h#13 \$
 * \$DateTime: 2013/07/24 11:35:54 \$
 */

/* \$OpenBSD: string.h,v 1.17 2006/01/06 18:53:04 millert Exp \$ */
 /* \$NetBSD: string.h,v 1.6 1994/10/26 00:56:30 cgd Exp \$ */

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- *
- * @(#)string.h 5.10 (Berkeley) 3/9/91
- */

wlan/protocol/support/bin2srec/include/stringl/stringl.h

=====

=====

```
/*
 * $Header: //source/qcom/qct/core/kernel/libstd/main/latest/src/strncpy.c#1 $
 * $DateTime: 2011/01/07 17:50:19 $
 */
```

```
/* $OpenBSD: strncpy.c,v 1.11 2006/05/05 15:27:38 millert
   Exp $ */
```

```
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wlan/protocol/support/bin2srec/strlcpy.c

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=====

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agere_sta_fw.bin -- 9.48 Hermes I
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Fast discrete

Fourier and cosine transforms and inverses

author: Monty <xiphmont@mit.edu>

modifications by: Monty

last modification date: Jul 1 1996

/* These Fourier routines were originally based on the Fourier routines of the same names from the NETLIB bihar and fftpack fortran libraries developed by Paul N. Swarztrauber at the National Center for Atmospheric Research in Boulder, CO USA. They have been reimplemented in C and optimized in a few ways for OggSquish. */

/* As the original fortran libraries are public domain, the C Fourier routines in this file are hereby released to the public domain as well. The C routines here produce output exactly equivalent to the original fortran routines. Of particular interest are the facts that (like the original fortran), these routines can work on arbitrary length vectors that need not be powers of two in length. */

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Firmware provided as part of an XC5000C Linux developers kit by Ramon Cazares <Ramon.Cazares@CrestaTech.com> to Devin Heitmueller dheitmueller@linuxtv.org on July 25, 2012.

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1.215 python-peewee 3.17.9

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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

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Any executables

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>>> freebsd-base64-4.8

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base64.c -- routines to encode/decode base64 data

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## 1.225 python-klein 24.8.0

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Folly:
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yaml-cpp: A YAML parser and emitter in C++
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fastlz: an ANSI C/C90 implementation of Lempel-Ziv 77 algorithm (LZ77) of lossless data compression.
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

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

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

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2.0	1.6	2000	BeOpen.com	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
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1.234 zope-hookable 7.0

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

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1.237 python 3.11.11

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

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see

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1.238 typing-extensions 4.12.2

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

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us>)

in Reston, Virginia where he released several versions of the software.

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

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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
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1.239 typeguard 4.3.0

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1.240 openssl 3.5.0

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