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Location
pjlib/timer.[hc]
Description
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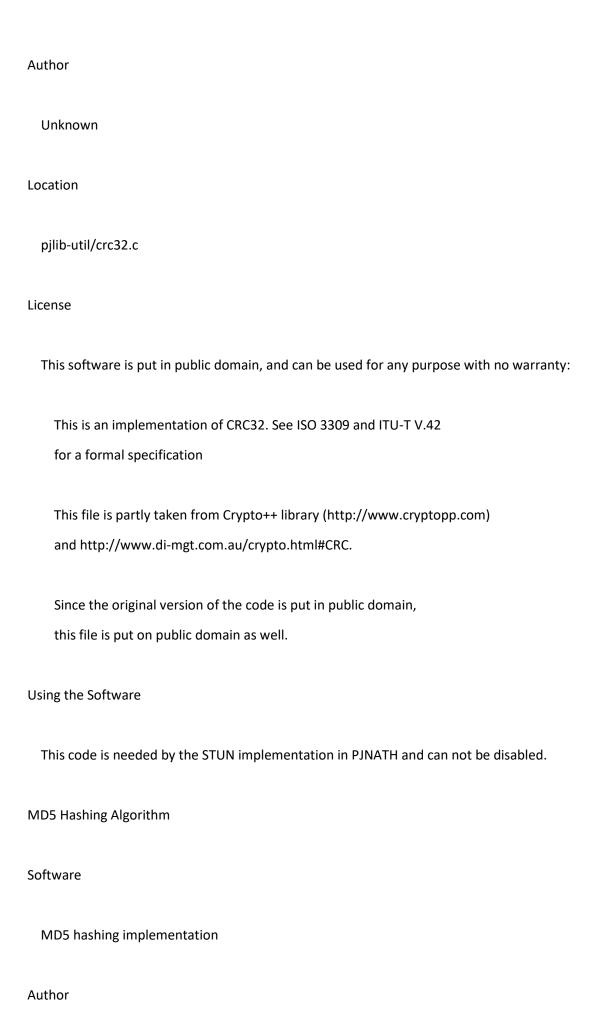
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CRC32 Algorithm

Software

CRC32 algorithm



Written by Colin Plumb in 1993 based on MD5 algorithm by Ron Rivest, no copyright is claimed.

Location

pjlib-util/md5.c

Description

MD5 hashing for digest authentication.

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The algorithm is due to Ron Rivest. This code was written by Colin Plumb in 1993, no copyright is claimed.

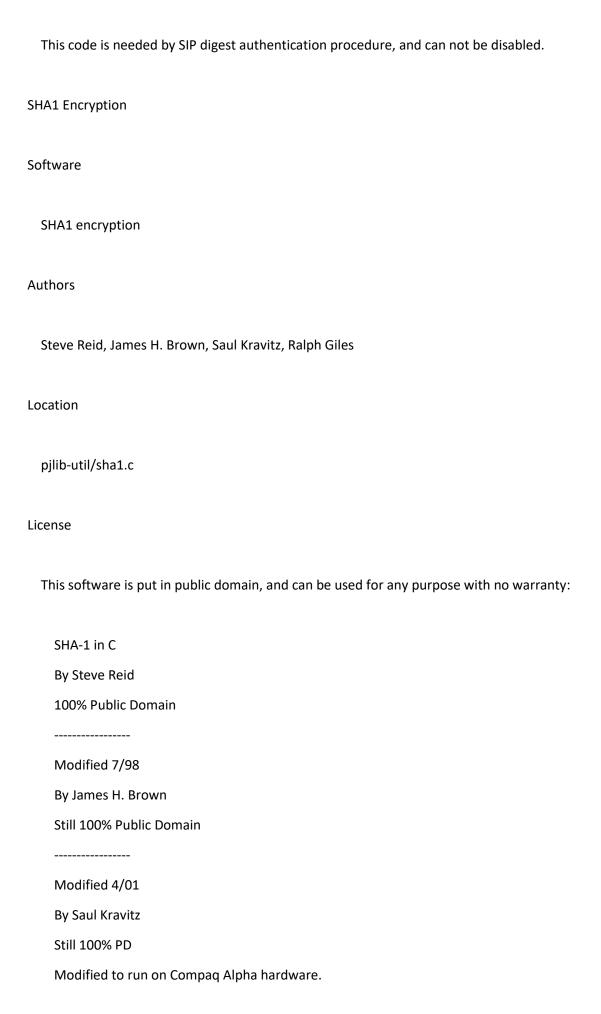
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Equivalent code is available from RSA Data Security, Inc.  $\label{eq:code} % \begin{center} \be$ 

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.

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Command line parsing library, part of GNU LIBC
Author
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Location
pjlib-util/getopt.[hc]
Description
Command line parsing library that is used by our sample applications.

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Milenage and Rijndael
Software
Milenage
Author
The implementation was taken from 3GPP TS 35.206 V7.0.0 document.
Location
third_party/milenage/
Description
Milenage algorithm is used for AKAv1-MD5 and AKAv2 SIP digest authentication.
License
Please consult 3GPP TS documents

The 3GPP authentication and key generation functions (MILENAGE) have been developed through the collaborative efforts of the 3GPP Organizational Partners.

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There are no additional requirements or authorizations necessary for these algorithms to be implemented.

Using the Software

The Milenage and Rijndael implementation will only be linked with application if AKA authentication is used and application explicitly calls or makes reference to pjsip\_auth\_create\_aka\_response() function.

libSRTP

Software

libSRTP

Author

David A. McGrew, Cisco Systems, Inc.

Location

third\_party/srtp/

Description

libSRTP implements Secure RTP/RTCP (SRTP and SRTCP).

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Software
DirectShow Base Classes
Author
Microsoft
Location
third_party/BaseClasses/
Description
The DirectShow base classes are a set of C++ classes and utility functions designed for implementing DirectShow filters. Several of the helper classes are also useful for application

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Software
http://www.openssl.org/
Author
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Location
pjlib/src/pj/ssl_sock_ossl.c
Description

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OpenSSL is used as the backend implementation of PJLIB's secure socket, which among other thing is used by PJSIP's SIP TLS transport object.
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The library will use OpenSSL if PJ_HAS_SSL_SOCK is set to non-zero. It is detected automatically with the GNU build system, and must be set manually on other build systems (e.g. Windows and Symbian)
bcg729
Software
http://www.linphone.org/technical-corner/bcg729
Location
pjmedia/include/pjmedia-codec/bcg729.h
pjmedia/src/pjmedia-codec/bcg729.c
Description
G.729 codec using backend implementation from bcg729.
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Adaptive Silence Detection
Software
Adaptive Silence Detection
Author
OpenH323 Project
Location
pjmedia/silencedet.[hc]
Description
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php 7.2.23 PHP-3.0

zlib 1.2.8 Zlib

pixman 0.34.0 MIT MIT-style PD

libxrender 0.9.9 MIT-style

u-boot-gc 2012.04.01 GPLv2-or-later

readline 5.2 GPLv2-or-later

tcpdump 4.9.3 BSD-3-Clause

glib-2.0 2.48.2 LGPLv2-or-later BSD PD

uci git-5ad59a GPL-2.0

openssl 1.0.20 openssl

util-linux 2.28.1 GPLv2-or-later LGPLv2.1-or-later BSD

harfbuzz 1.3.0 MIT

php-mosquitto 1.0.0 BSD-3-Clause

dropbear 2019.78 MIT BSD-3-Clause BSD-2-Clause PD

sqldiff3 3.23.1 PD

libpam 1.3.0 GPLv2-or-later BSD

mkfontscale 1.1.2 MIT-X

libxcb 1.12 MIT

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xorg-minimal-fonts 1.0 PD

sudo 1.8.17p1 ISC BSD Zlib

libxft 2.3.2 MIT

rpcd git-820621 ISC

iksemel 1.5 LGPLv2.1

sqlite3 3.24.0 PD

pango 1.40.1 LGPLv2.0-or-later

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rehash 1.0 MIT

popt 1.16 MIT

base-files-openwrt git-229d60 GPLv2

tzdata 2017a PD BSD BSD-3-Clause

run-postinsts 1.0 MIT

boost 1.61.0 BSL-1.0 MIT Python-2.0

libgcc 6.2.0 GPL-3.0-with-GCC-exception

logrotate 3.9.1 GPLv2

libnl 3.2.28 LGPLv2.1

u-boot-fw-utils-gc 2012.04.01 GPLv2-or-later

bzip2 1.0.6 bzip2

perl 5.22.1 Artistic-1.0 GPL-1.0-or-later

font-util 1.3.1 BSD MIT

procd git-01f3dc LGPL-2.1

font-alias 1.0.3 MIT

base-passwd 3.5.29 GPLv2-or-later

sshpass 1.05 GPLv2

ncurses 6.0+20160625 MIT

mkfontdir 1.0.7 MIT-X

linux-dspg-gc 4.9 GPLv2

rrdtool 1.6.0 GPLv2

bind 9.11.19 ISC BSD

cairo 1.14.6 MPL-1 LGPLv2.1

libxdmcp 1.1.2 MIT-style

busybox 1.24.1 GPLv2 bzip2

libcap 2.25 BSD GPLv2

curl 7.60.0 MIT

ca-certificates 20160104 GPL-2.0-or-later MPL-2.0

libpcap 1.7.4 BSD

mosquitto 1.5.4 EPL-1.0 EDL-1.0

update-rc.d 0.7 GPLv2-or-later

fontconfig 2.12.1 MIT-style MIT PD

libpcre 8.44 BSD-3-Clause

json-c 0.12 MIT

jsoncpp1.1.0 MIT

xmlstarlet 1.5.0 MIT

libffi 3.2.1 MIT

libxslt 1.1.29 MIT

ubus git-5f87f5 LGPLv2

encodings 1.0.4 PD

jsonfilter git-c7e938 BSD

libfontenc 1.1.3 MIT

gawk 3.1.5 GPLv2

netifd git-f10765 GPL-2.0

expat 2.2.0 MIT

glibc 2.24 GPLv2 LGPLv2.1

syslog-ng 3.19.1 GPLv2 LGPLv2.1

freetype 2.6.5 FreeType GPLv2-or-later

libxau 1.0.8 MIT-style

gcc-runtime 6.2.0 GPL-3.0-with-GCC-exception

sqlitecpp 1.3.1 MIT

libtinyxml-2.5.3 2.5.3 Zlib

libxext 1.3.3 MIT-style

rsync 2.6.9 GPLv2-or-later

opkg-utils 0.3.2+gitAUTOINC+3ffece9bf1 GPLv2-or-later

ubox git-e7a63f LGPL-2.1

odhcp6c git-d2e247 GPL-2.0

ethtool 4.6 GPLv2-or-later

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bzip2

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010
------GPL-2.0

Version 2, June 1991

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Version 3.1, 31 March 2009

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2006-Jan-27

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David Turner, Robert Wilhelm, and Werner Lemberg

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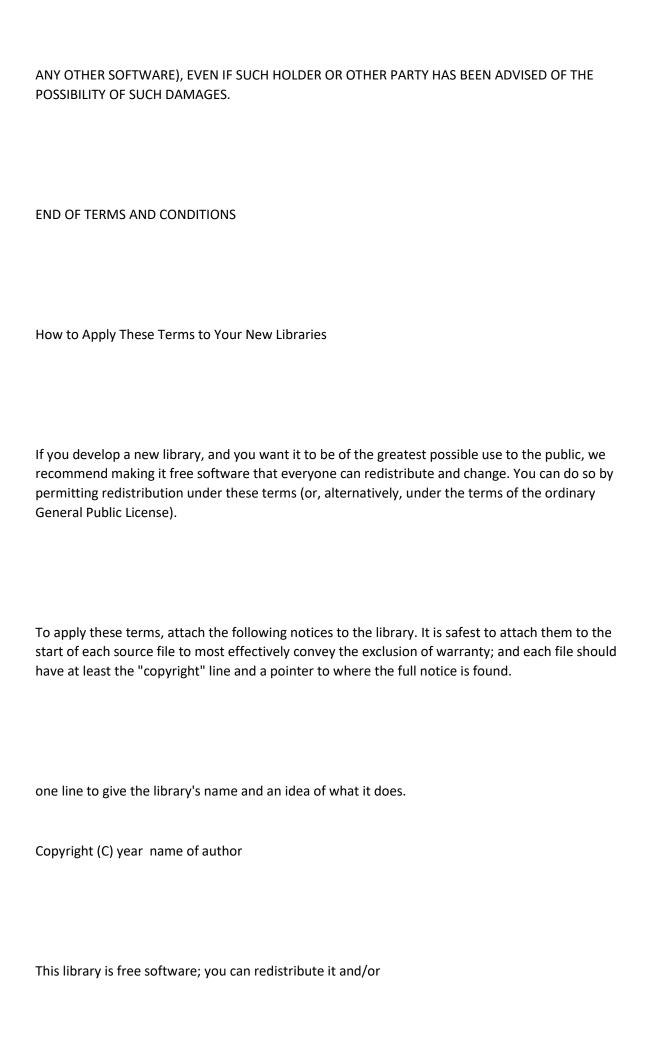
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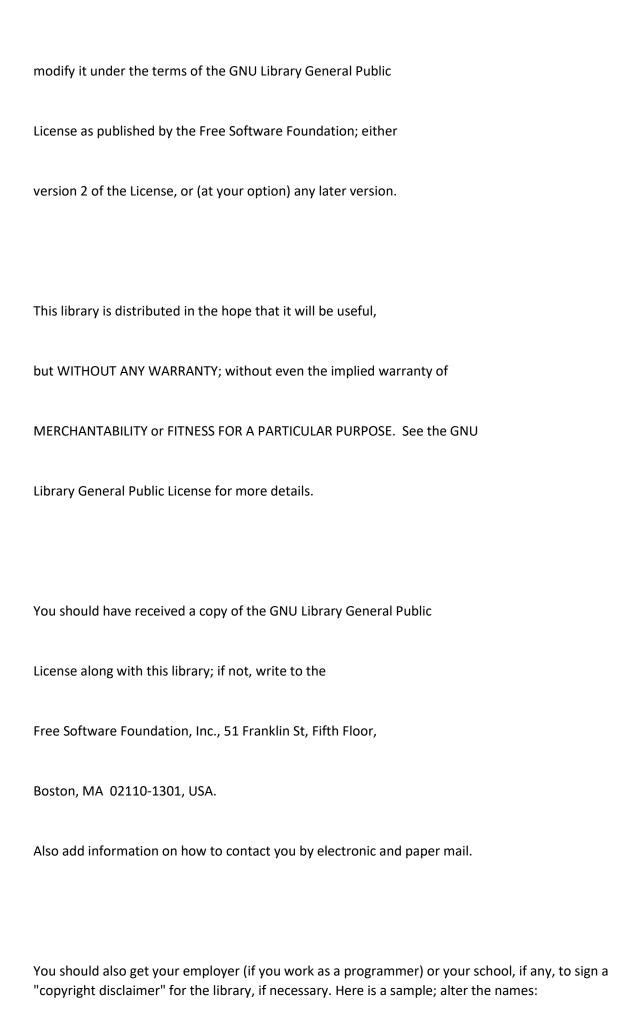
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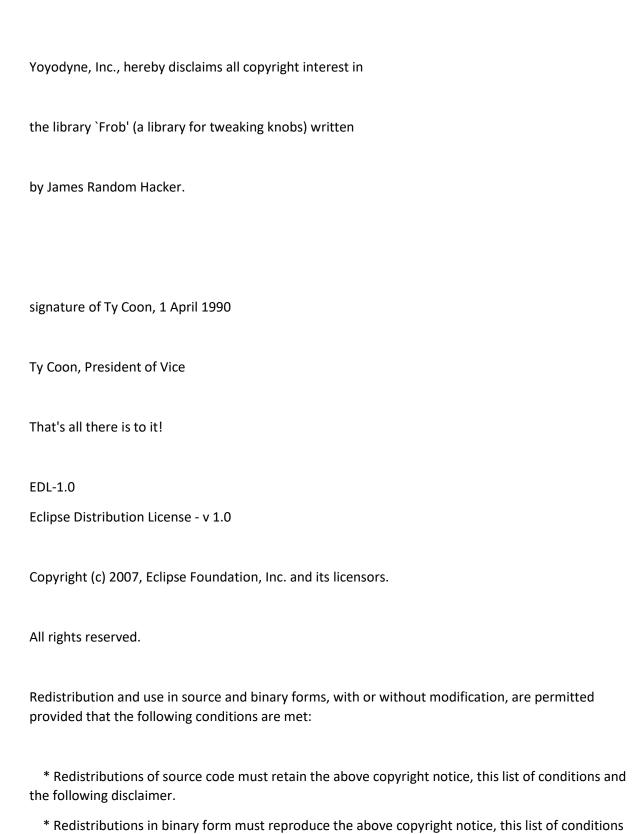
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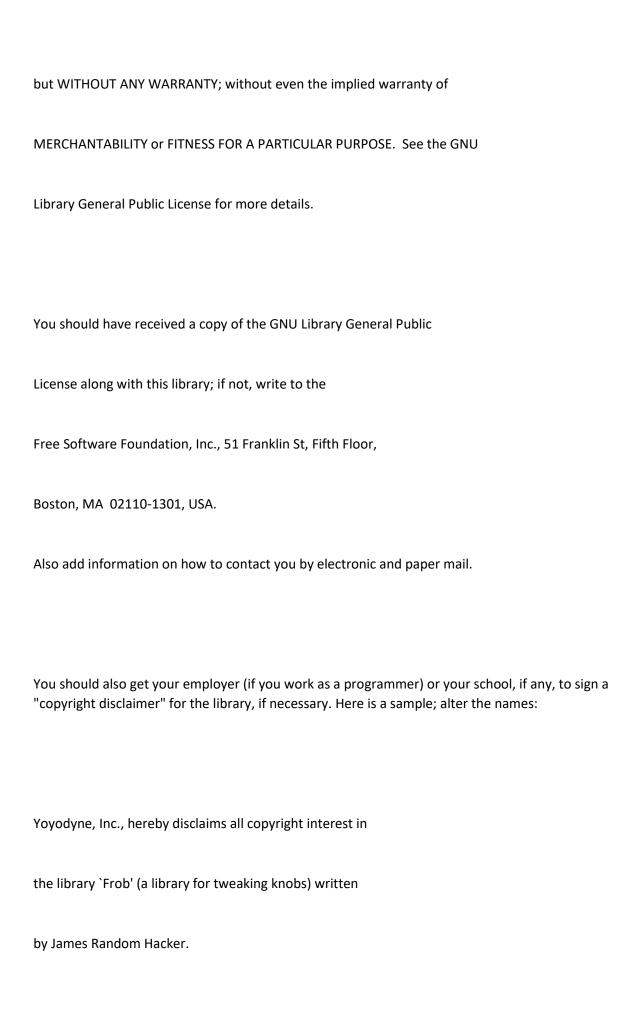
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