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General

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Proprietary Software Component	Version	License
pjsip	2.10	License for pjsip

pjsip

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pjlib; a cross-platform portability library,

pjlib-util; an adjunct library to pjlib which provides various utility functions,

pjnath; a NAT traversal helper library

pjmedia; a multimedia communications library,

pjmedia-codec; a placeholder library to support various multimedia codecs,

pjsip; a SIP protocol stack collections

and any and all build scripts, makefiles, tools, samples, applications, or documents available and/or required to

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ACE Timer Heap

Software

Timer heap management of Adaptive Communication Framework (ACE) Library

Author

Douglas C. Schmidt and his research group at Washington University, University of California, Irvine, and Vanderbilt University, Copyright (c) 1993-2006, all rights reserved

Location

`pjlib/timer.[hc]`

Description

The timer heap in PJLIB was based on ACE's Timer_Heap

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Using the Software

This code is integral part of the library and can not be disabled.

Alaw/Ulaw Converter

Software

Alaw/ulaw conversion algorithm

Author

Sun Microsystems, Inc

Location

pjmedia/alaw_ulaw.c

Description

PCM Alaw and U-law conversion.

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This software is not used by default unless PJMEDIA_HAS_ALAW_ULAW_TABLE is disabled. When PJMEDIA_HAS_ALAW_ULAW_TABLE is enabled (the default setting), a table based alaw/ulaw conversion will be used instead.

CRC32 Algorithm

Software

CRC32 algorithm

Author

Unknown

Location

pjlib-util/crc32.c

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This is an implementation of CRC32. See ISO 3309 and ITU-T V.42
for a formal specification

This file is partly taken from Crypto++ library (<http://www.cryptopp.com>)
and <http://www.di-mgt.com.au/crypto.html#CRC>.

Since the original version of the code is put in public domain,
this file is put on public domain as well.

Using the Software

This code is needed by the STUN implementation in PJNATH and can not be disabled.

MD5 Hashing Algorithm

Software

MD5 hashing implementation

Author

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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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.

Using the Software

This code is needed by SIP digest authentication procedure, and can not be disabled.

SHA1 Encryption

Software

SHA1 encryption

Authors

Steve Reid, James H. Brown, Saul Kravitz, Ralph Giles

Location

pjlib-util/sha1.c

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SHA-1 in C

By Steve Reid

100% Public Domain

Modified 7/98

By James H. Brown

Still 100% Public Domain

Modified 4/01

By Saul Kravitz

Still 100% PD

Modified to run on Compaq Alpha hardware.

Modified 07/2002

By Ralph Giles

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GNU Getopt

Software

Command line parsing library, part of GNU LIBC

Author

Copyright (C) 1987,88,89,90,91,92,93,94,96,97 Free Software Foundation, Inc.

Location

pjlib-util/getopt.[hc]

Description

Command line parsing library that is used by our sample applications.

License

Distributed under opensource GNU LGPL.

Using the Software

This code will only be linked if applications explicitly call `pj_getopt()` or `pj_getopt_long()`. Normally application doesn't need to use this, since this functionality is useful for command line/console types of applications only.

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.

They may be used only for the development and operation of 3G Mobile Communications and services.

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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```
/*
 *
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*
*/

Using the Software

Copy of libSRTP is included in PJSIP distribution, and it is built by default on all supported platforms. SRTP functionality is also enabled by default. If you wish to disable SRTP, declare PJMEDIA_HAS_SRTP macro to zero.

DirectShow Base Classes Microsoft SDK Sample

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 developers.

License

Microsoft Windows SDK Licence (Licence.htm in Windows SDK installation directory)

Sample Code. You may modify, copy, and distribute the source and object code form of code marked as ?sample.?

Using the Software

Used in DirectShow device driver for video capture support on Windows platform. If you wish to disable it define macro PJMEDIA_VIDEO_DEV_HAS_DSHOW to 0. This will disable video capture on Windows.

External Third Party Software

PJSIP may be linked with these external third party software.

OpenSSL

Software

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

Author

OpenSSL Project

Location

pjlib/src/pj/ssl_sock_ossl.c

Description

OpenSSL is used as the backend implementation of PJLIB's secure socket, which among other things is used by PJSIP's SIP TLS transport object.

License

The OpenSSL library is licensed under Apache-style license, but this is deemed to be incompatible with GPL.

Using the Software

The library will use OpenSSL if PJ_HAS_SSL_SOCKET 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.

License

Please consult the bcg729 website.

Using the Software

bcg729 may be detected and enabled by the configure script, either automatically or manually via `-with-bcg729` option. It may be forcefully disabled by defining `PJMEDIA_HAS_BCG729` to 0 in `config_site.h`.

Deprecated Third Party Software

This section contains information about third party software which was used in the past and subsequently has been deprecated in favor of new algorithm. You may or may not be affected by the licensing requirements of the software, depending on whether your PJSIP software version contains copy of the software.

Adaptive Silence Detection

Software

Adaptive Silence Detection

Author

OpenH323 Project

Location

`pjmedia/silencedet.[hc]`

Description

The adaptive silence detector was based on adaptive silence detector implementation in Open H423 project.

License

This software is distributed under opensource Mozilla MPL terms:

Open H423 Library

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The Original Code is Open H423 Library.

The Initial Developer of the Original Code is Equivalence Pty. Ltd.

Portions of this code were written with the assistance of funding from Vovida Networks, Inc. <http://www.vovida.com>.

Using the Software

This software is used by various codecs and also by the conference bridge, and can not be disabled.

Deprecated in:

This software has been removed and/or replaced in PJSIP version 1.0-rc1.

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Open Source Software	Component	Version	License
ubus	git-5f87f5		LGPLv2
tcpdump	4.9.3		BSD-3-Clause
harfbuzz	1.3.0		MIT
bootastic-gc	1.0		GPLv2
boost	1.61.0		BSL-1.0 MIT Python-2.0
ubox	git-e7a63f		LGPL-2.1
libpcap	1.7.4		BSD
pango	1.40.1		LGPLv2.0-or-later
libffi	3.2.1		MIT
iksemel	1.5		LGPLv2.1
sqldiff3	3.23.1		PD
bzip2	1.0.6		bzip2
u-boot-fw-utils-gc	2012.04.01		GPLv2-or-later
gawk	3.1.5		GPLv2
base-files-openwrt	git-229d60		GPLv2
run-postinsts	1.0		MIT
u-boot-gc	2012.04.01		GPLv2-or-later
glibc	2.24		GPLv2 LGPLv2.1
opkg-utils	0.3.2+gitAUTOINC+3ffece9bf1		GPLv2-or-later
rrdtool	1.7.2		GPLv2
expat	2.2.0		MIT
rpcd	git-820621		ISC
ethtool	4.6		GPLv2-or-later

linux-dspg-gc 4.9 GPLv2
cairo 1.14.6 MPL-1 LGPLv2.1
libtinyxml-2.5.3 2.5.3 Zlib
readline 5.2 GPLv2-or-later
openssl 1.0.2o openssl
libpng 1.6.24 Libpng
memleak-tools 1.0 LGPLv2.1
c-ares 1.17.0+gitrAUTOINC+799e81d4ac MIT
libpcre 8.44 BSD-3-Clause
ca-certificates 20160104 GPL-2.0-or-later MPL-2.0
popt 1.16 MIT
linuxptp 2.0 GPLv2
base-passwd 3.5.29 GPLv2-or-later
libcap 2.25 BSD GPLv2
jsonfilter git-c7e938 BSD
pixmap 0.34.0 MIT MIT-style PD
ttf-dejavu 2.37 BitstreamVera
procd git-01f3dc LGPL-2.1
libgcc 6.4.0 GPL-3.0-with-GCC-exception
util-linux 2.28.1 GPLv2-or-later LGPLv2.1-or-later BSD
update-rc.d 0.7 GPLv2-or-later
lighttpd 1.4.50 BSD
bind 9.11.19 ISC BSD
libnl 3.2.28 LGPLv2.1
sqlite3 3.24.0 PD
libubox git-6eff82 BSD
glib-2.0 2.48.2 LGPLv2-or-later BSD PD
dspg-alsa-conf 1.0 LGPLv2.1
rehash 1.0 MIT
sshpas 1.05 GPLv2
net-snmp 5.7.3 BSD
gcc-runtime 6.4.0 GPL-3.0-with-GCC-exception

tzdata 2018c PD BSD BSD-3-Clause
dropbear 2019.78 MIT BSD-3-Clause BSD-2-Clause PD
ncurses6.0+20160625 MIT
fontconfig 2.12.1 MIT-style MIT PD
jsoncpp1.9.3 MIT
json-c 0.12 MIT
netifd git-f10765 GPL-2.0
odhcp6c git-d2e247 GPL-2.0
uci git-5ad59a GPL-2.0
rsync 2.6.9 GPLv2-or-later
sudo 1.8.17p1 ISC BSD Zlib
php 7.2.23 PHP-3.0
libpam 1.3.0 GPLv2-or-later BSD
mosquitto 1.5.4 EPL-1.0 EDL-1.0
libxml2 2.9.10 MIT
zlib 1.2.8 Zlib
curl 7.74.0 MIT
xmlstarlet 1.5.0 MIT
logrotate 3.9.1 GPLv2
sqlitecpp 1.3.1 MIT
syslog-ng 3.19.1 GPLv2 LGPLv2.1
php-mosquitto 1.0.0 BSD-3-Clause
freetype 2.6.5 FreeType GPLv2-or-later
busybox 1.24.1 GPLv2 bzip2
libxslt 1.1.29 MIT

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LGPLv2.0

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Version 2, June 1991

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

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

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

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

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PHP-3.0

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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3. Are derivative works allowed?

Yes!

4. Can I change or add to the font(s)?

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Change log

r2011 by mark.nickel on Mar 3, 2011 Diff

Majority of Multi-Line text editing is in the commit. Also added some specific free fonts to replace the existing set as we need some additional font metrics that we use in the Text Editing rendering pipeline.

You can see the font licenses in the editor/fonts folder under each font.

Still have some cleanup to do to add the text formatting (left,right,center) as

...

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json-stringify-safe	5.0.1	ISC
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