

BUILD INSTRUCTIONS

TABLE OF CONTENTS

1. GENERAL INSTRUCTIONS	1
1.1. Common Build Parameters	1
2. USER MODE POLICY MANAGERS	4
2.1. quicksecpm	4
2.2. tinypm	4
2.3. clientpm	4
2.4. quicksecpm_usermode	4
3. KERNEL MODE PACKET INTERCEPTORS	5
3.1. quicksec	5
3.2. quicksec_usermode	5
4. PACKET INTERCEPTOR WITH CRYPTOGRAPHY SPLIT	6
4.1. quicksec_nocrypto	6
4.2. quicksec_crypto	6
5. TOOL PROGRAMS	8
5.1. dtd-compress	8
5.2. make-vendor-id	8
5.3. ssh-berdump	8
5.4. ssh-certmake	8
5.5. ssh-certview	8
5.6. ssh-cmpclient	9
5.7. ssh-keytool	9
5.8. ssh-p12extract	9
5.9. ssh-p12make	9
5.10. ssh-scepclient	9
6. LIBRARIES AND OTHER HIGH LEVEL MODULES	10
6.1. IPsec Policy Manager Library	10
6.2. IPsec Policy Manager Library for User Mode IPsec	10
6.3. Protocol Library	10
6.4. Cryptography Library	11
6.5. Base Library	11
6.6. Platform Packet Interceptor	11
6.7. Platform Hardware Cryptography	11
7. SOURCE CODE MODULES	12
7.1. Module ADT	12
7.2. Module ASN.1	12
7.3. Module Application Utilities	12
7.4. Module Audit	12
7.5. Module Certificate Enrollment	13
7.6. Module Certificate Store	13
7.7. Module Core Utilities	13
7.8. Module Cryptography	14
7.9. Module DHCP	16
7.10. Module EAP	16
7.11. Module Event Loop	17
7.12. Module Externalkey	17
7.13. Module HTTP	18
7.14. Module IKEv2	18
7.15. Module IPsec Engine	19
7.16. Module IPsec Packet Interceptor Utilities	20
7.17. Module IPsec Policy Manager Support	20
7.18. Module IPsec Utilities	22

7.19. Module ISAKMP	22
7.20. Module Kernel Mode Support	23
7.21. Module Kernel Mode Utilities	23
7.22. Module L2TP	23
7.23. Module LDAP	24
7.24. Module Linux Packet Interceptor	24
7.25. Module Math	25
7.26. Module Miscellaneous Utilities	25
7.27. Module Net Utilities	25
7.28. Module OCF IPsec Hardware Accelerator	27
7.29. Module PCI Support	27
7.30. Module PKCS	27
7.31. Module PPP	27
7.32. Module Packet Streams	28
7.33. Module RADIUS	28
7.34. Module SIM/USIM Support	28
7.35. Module SafeNet 1742 IPsec Hardware Accelerator	28
7.36. Module SafeNet 1746 IPsec Hardware Accelerator	28
7.37. Module Software IPsec Fastpath	29
7.38. Module Software IPsec Fastpath Compression	29
7.39. Module Software IPsec Fastpath Cryptography	29
7.40. Module Streams	30
7.41. Module String Utilities	30
7.42. Module System Utilities	30
7.43. Module TLS	31
7.44. Module User Mode Packet Interceptor	31
7.45. Module X.509 Certificate Support	32
7.46. Module XML	32
7.47. Module XML IPsec Policy Manager	33
7.48. Module Zlib	33

1. GENERAL INSTRUCTIONS

This document explains how to build various executables from the QuickSec source files. Only information applicable to any build environment is given here; detailed instructions of how to build using a particular toolchain or IDE are out of the scope of this document.

The information is presented using lists of 'items' that are required to build a given executable. The following basic items are used in this document:

1. Header directory. A directory containing header files that are included by source files elsewhere in the source tree. In other words, a directory that must be included in the C preprocessor header file search path list. Header directories are given relative to the root directory of the source tree.
2. Preprocessor macro. A macro that must be defined when running the C preprocessor. In some cases a particular value for the macro is given as well.
3. Source file. A C or assembler source file that must be compiled into an object file and linked into the executable. For some targets other kinds of files, understood by the target-specific toolchains, may be given as source files. Source file paths are given relative to the root directory of the source tree.
4. External library. Non-default operating system libraries that are needed to link the executable in question. External library names are given without any platform-specific prefixes or suffixes.

The basic items may be grouped into 'modules' that in turn may be grouped into higher-level modules. These modules can be used to specify the items required to build an executable, instead of specifying each basic item separately. Some higher-level modules are called 'libraries' in this document, suggesting a larger collection of items that may be used to create an intermediate object file archive, i.e. a static library. However it is not necessary to use such archives.

1.1. Common Build Parameters

These items are always required.

- Header Directory .
- Header Directory interceptor/include
- Header Directory interceptor/libkernelutil
- Header Directory ipsec
- Header Directory ipsec/hwaccel
- Header Directory ipsec/lib/sshdhcp
- Header Directory ipsec/lib/sshikev2
- Header Directory ipsec/lib/sshisakmp
- Header Directory ipsec/lib/ssh12tp
- Header Directory ipsec/lib/sshppp
- Header Directory ipsec/quicksec
- Header Directory ipsec/quicksec/apps
- Header Directory ipsec/quicksec/engine
- Header Directory ipsec/quicksec/fastpath
- Header Directory ipsec/quicksec/fastpath/software
- Header Directory ipsec/quicksec/policymanager
- Header Directory ipsec/util
- Header Directory lib/sshapputil

- Header Directory lib/sshasn1
- Header Directory lib/sshcert
- Header Directory lib/sshcrypto
- Header Directory lib/sshcrypto/sshcipher
- Header Directory lib/sshcrypto/sshcryptocore
- Header Directory lib/sshcrypto/sshhash
- Header Directory lib/sshcrypto/sshmac
- Header Directory lib/sshcrypto/sshpk
- Header Directory lib/sshcrypto/sshrandom
- Header Directory lib/sshcryptoaux
- Header Directory lib/ssheap
- Header Directory lib/ssh enroll
- Header Directory lib/sshexternalkey
- Header Directory lib/sshhttp
- Header Directory lib/sshdap
- Header Directory lib/sshmath
- Header Directory lib/sshpkcs
- Header Directory lib/sshradius
- Header Directory lib/sshsm
- Header Directory lib/sshtls
- Header Directory lib/sshutil
- Header Directory lib/sshutil/sshadt
- Header Directory lib/sshutil/sshaudit
- Header Directory lib/sshutil/sshcore
- Header Directory lib/sshutil/ssheloop
- Header Directory lib/sshutil/sshfs
- Header Directory lib/sshutil/sshmisc
- Header Directory lib/sshutil/sshnet
- Header Directory lib/sshutil/sshpacketstream
- Header Directory lib/sshutil/sshstream
- Header Directory lib/sshutil/sshstrutil
- Header Directory lib/sshutil/sshsysutil
- Header Directory lib/sshutil/sshtestutil
- Header Directory lib/sshvalidator
- Header Directory lib/sshxml
- Header Directory lib/zlib
- Preprocessor Macro SSH_BUILD_IPSEC

If QuickSec client functionality is needed instead of the full functionality, add the following:

- Preprocessor Macro QUICKSEC_DIST_CLIENT

If QuickSec server functionality is needed instead of the full functionality, add the following:

- Preprocessor Macro QUICKSEC_DIST_SERVER

If small code and data footprint is needed add the following:

- Preprocessor Macro SSH_IPSEC_SMALL

If building for a big-endian machine add the following:

- Preprocessor Macro WORDS_BIGENDIAN

If debug output is needed add the following:

- Preprocessor Macro `DEBUG_LIGHT`

If extensive debug output is needed add the following:

- Preprocessor Macro `DEBUG_HEAVY`

If QuickSec internal engineering functionality is needed add the following:

- Preprocessor Macro `QUICKSEC_DIST_INTERNAL`
- Preprocessor Macro `MEMORY_LEAK_CHECKS`

If QuickSec internal engineering functionality is included and if building a user mode executable and memory leak debugging is needed add the following:

- Preprocessor Macro `MEMORY_LEAK_STACK_TRACE`
- Preprocessor Macro `SSH_MEMORY_DEBUG_FREE_QUEUE`
- External Library `gdbm`

2. USER MODE POLICY MANAGERS

These are executable programs for systems that have user mode processes with per-process address spaces.

2.1. quicksecpm

- [Module XML IPsec Policy Manager](#)
- [IPsec Policy Manager Library](#)
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

2.2. tinypm

- Source File [ipsec/quicksec/apps/tinypm.c](#)
- [IPsec Policy Manager Library](#)
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

2.3. clientpm

- Source File [ipsec/quicksec/apps/clientpm.c](#)
- [IPsec Policy Manager Library](#)
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

2.4. quicksecpm_usermode

This executable is supported on GNU/Linux only.

- [Module XML IPsec Policy Manager](#)
- [IPsec Policy Manager Library for User Mode IPsec](#)
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

3. KERNEL MODE PACKET INTERCEPTORS

These executables are for systems that have a separate kernel mode address space.

3.1. quicksec

- [Platform Packet Interceptor](#)
- [Platform Hardware Cryptography](#)
- [Module IPsec Engine](#)
- [Module IPsec Packet Interceptor Utilities](#)
- [Module IPsec Utilities](#)
- [Module Kernel Mode Utilities](#)
- [Module Kernel Mode Support](#)
- [Module Software IPsec Fastpath](#)
- [Module Software IPsec Fastpath Cryptography](#)
- [Module Software IPsec Fastpath Compression](#)
- Source File `ipsec/quicksec/fastpath/software/engine_transform_crypto.c`

3.2. quicksec_usermode

This executable is supported on GNU/Linux only.

- [Platform Packet Interceptor](#)
- [Module IPsec Packet Interceptor Utilities](#)
- [Module IPsec Utilities](#)
- [Module Kernel Mode Utilities](#)
- [Module Kernel Mode Support](#)
- Header Directory `ipsec/quicksec/usermode`
- Source File `ipsec/quicksec/usermode/usermodeforwarder.c`
- Source File `ipsec/hwaccel/none/hwaccel_none.c`

4. PACKET INTERCEPTOR WITH CRYPTOGRAPHY SPLIT

These two executables implement the packet interceptor as two components, one containing cryptography support and another containing the rest of the packet interceptor.

4.1. quicksec_nocrypto

- [Platform Packet Interceptor](#)
- [Platform Hardware Cryptography](#)
- [Module IPsec Engine](#)
- [Module IPsec Packet Interceptor Utilities](#)
- [Module IPsec Utilities](#)
- [Module Kernel Mode Utilities](#)
- [Module Kernel Mode Support](#)
- [Module Software IPsec Fastpath](#)
- [Module Software IPsec Fastpath Compression](#)
- Source File ipsec/quicksec/fastpath/software/engine_transform_crypto_pub.c

4.2. quicksec_crypto

- Source File lib/sshcrypto/sshcipher/arcfour.c
- Source File lib/sshcrypto/sshcipher/blowfish.c
- Source File lib/sshcrypto/sshcipher/des.c
- Source File lib/sshcrypto/sshcipher/genciph.c
- Source File lib/sshcrypto/sshcipher/mode-gcm.c
- Source File lib/sshcrypto/sshcipher/mscapi-cipher.c
- Source File lib/sshcrypto/sshcipher/nociph.c
- Source File lib/sshcrypto/sshcipher/octeon-cipher.c
- Source File lib/sshcrypto/sshcipher/rc2.c
- Source File lib/sshcrypto/sshcipher/rijndael.c
- Source File lib/sshcrypto/sshcryptocore/crypto_init.c
- Source File lib/sshcrypto/sshhash/md5.c
- Source File lib/sshcrypto/sshhash/mscapi-hash.c
- Source File lib/sshcrypto/sshhash/octeon-hash.c
- Source File lib/sshcrypto/sshhash/sha.c
- Source File lib/sshcrypto/sshhash/sha256.c
- Source File lib/sshcrypto/sshhash/sha512.c
- Source File lib/sshcrypto/sshmac/genmac.c
- Source File lib/sshcrypto/sshmac/hmac.c
- Source File lib/sshcrypto/sshmac/macsc.c
- Source File lib/sshcrypto/sshmac/xcbc-mac.c
- Source File lib/sshutil/sshcore/sshdebug.c
- Source File lib/sshutil/sshcore/sshfatal.c
- Source File lib/sshutil/sshcore/sshmatch.c
- Source File lib/sshutil/sshcore/sshsnprintf.c
- Source File lib/sshutil/sshcore/sshustr.c

If building for GNU/Linux add the following:

- Source File interceptor/linux/linux_crypto.c
- Source File interceptor/linux/linux_kernel_alloc.c
- Source File interceptor/linux/linux_misc.c

5. TOOL PROGRAMS

5.1. dtd-compress

- Source File lib/sshxml/dtd-compress.c
- [Base Library](#)

5.2. make-vendor-id

- Source File ipsec/quicksec/make-vendor-id.c
- [Cryptography Library](#)
- [Base Library](#)

5.3. ssh-berdump

- Source File apps/certutils/ssh-berdump.c
- Source File apps/certutils/dump-ber.c
- Source File apps/certutils/iprintf.c
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

5.4. ssh-certmake

- Source File apps/certutils/ssh-certmake.c
- Source File apps/certutils/dump-key.c
- Source File apps/certutils/iprintf.c
- Source File apps/certutils/parse-x509-forms.c
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

5.5. ssh-certview

- Source File apps/certutils/ssh-certview.c
- Source File apps/certutils/dump-ber.c
- Source File apps/certutils/dump-cert.c
- Source File apps/certutils/dump-crl.c
- Source File apps/certutils/dump-key.c
- Source File apps/certutils/dump-other.c
- Source File apps/certutils/iprintf.c
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

5.6. ssh-cmpclient

- Source File apps/certutils/ssh-cmpclient.c
- Source File apps/certutils/au-ek.c
- Source File apps/certutils/dump-ber.c
- Source File apps/certutils/dump-cert.c
- Source File apps/certutils/dump-key.c
- Source File apps/certutils/ec-cmp.c
- Source File apps/certutils/iprintf.c
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

5.7. ssh-keytool

- Source File apps/certutils/ssh-keytool.c
- Source File apps/certutils/dump-key.c
- Source File apps/certutils/iprintf.c
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

5.8. ssh-p12extract

- Source File apps/certutils/ssh-p12extract.c
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

5.9. ssh-p12make

- Source File apps/certutils/ssh-p12make.c
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

5.10. ssh-scepclient

- Source File apps/certutils/ssh-scepclient.c
- Source File apps/certutils/au-ek.c
- Source File apps/certutils/dump-ber.c
- Source File apps/certutils/dump-cert.c
- Source File apps/certutils/dump-key.c
- Source File apps/certutils/ec-cep.c
- Source File apps/certutils/iprintf.c
- [Protocol Library](#)
- [Cryptography Library](#)
- [Base Library](#)

6. LIBRARIES AND OTHER HIGH LEVEL MODULES

6.1. IPsec Policy Manager Library

This library contains references to Protocol Library, Cryptography Library and Base Library only. Include the following components:

- [Module IPsec Policy Manager Support](#)
- [Module IPsec Utilities](#)

6.2. IPsec Policy Manager Library for User Mode IPsec

This library contains references to Protocol Library, Cryptography Library and Base Library only. Include the following components:

- Preprocessor Macro SSH_IPSEC_UNIFIED_ADDRESS_SPACE
- Preprocessor Macro USERMODE_ENGINE
- [Module IPsec Policy Manager Support](#)
- [Module IPsec Utilities](#)
- [Module User Mode Packet Interceptor](#)
- [Module IPsec Engine](#)
- [Module IPsec Packet Interceptor Utilities](#)
- [Module Software IPsec Fastpath](#)
- Source File ipsec/hwaccel/none/hwaccel_none.c
- Source File ipsec/quicksec/fastpath/software/engine.transform_crypto.c

6.3. Protocol Library

This library contains references to Cryptography Library and Base Library only. Include the following components:

- [Module ASN.1](#)
- [Module Application Utilities](#)
- [Module Certificate Enrollment](#)
- [Module Certificate Store](#)
- [Module EAP](#)
- [Module Externalkey](#)
- [Module HTTP](#)
- [Module DHCP](#)
- [Module IKEv2](#)
- [Module ISAKMP](#)
- [Module L2TP](#)
- [Module LDAP](#)
- [Module PKCS](#)
- [Module PPP](#)
- [Module RADIUS](#)
- [Module SIM/USIM Support](#)
- [Module TLS](#)
- [Module X.509 Certificate Support](#)
- [Module XML](#)

6.4. Cryptography Library

This library contains references to Base Library only. Include the following components:

- [Module Cryptography](#)
- [Module Math](#)
- [Module Zlib](#)

6.5. Base Library

Include the following components:

- [Module ADT](#)
- [Module Audit](#)
- [Module Core Utilities](#)
- [Module Event Loop](#)
- [Module Miscellaneous Utilities](#)
- [Module Net Utilities](#)
- [Module Packet Streams](#)
- [Module Streams](#)
- [Module String Utilities](#)
- [Module System Utilities](#)

6.6. Platform Packet Interceptor

If building for Linux add the following:

- [Module Linux Packet Interceptor](#)

6.7. Platform Hardware Cryptography

If no hardware cryptography support is needed add the following:

- Source File `ipsec/hwaccel/none/hwaccel_none.c`

If OCF hardware cryptography support is needed add the following:

- [Module OCF IPsec Hardware Accelerator](#)
- [Module PCI Support](#)

If SafeNet 1742 hardware cryptography support is needed add the following:

- [Module SafeNet 1742 IPsec Hardware Accelerator](#)
- [Module PCI Support](#)

If SafeNet 1746 hardware cryptography support is needed add the following:

- [Module SafeNet 1746 IPsec Hardware Accelerator](#)
- [Module PCI Support](#)

7. SOURCE CODE MODULES

The following sections group individual source files, header directories and preprocessor macros into logical 'modules'. A particular file, directory or macro may appear in more than one module. A module may be included in another module. The modules are presented in alphabetical order.

7.1. Module ADT

- Source File lib/sshutil/sshadt/sshadt.c
- Source File lib/sshutil/sshadt/sshadt_array.c
- Source File lib/sshutil/sshadt/sshadt_assoc.c
- Source File lib/sshutil/sshadt/sshadt_avltree.c
- Source File lib/sshutil/sshadt/sshadt_conv.c
- Source File lib/sshutil/sshadt/sshadt_list.c
- Source File lib/sshutil/sshadt/sshadt_map.c
- Source File lib/sshutil/sshadt/sshadt_priority_heap.c
- Source File lib/sshutil/sshadt/sshadt_ranges.c

7.2. Module ASN.1

- Source File lib/sshasn1/ssh_berfile.c
- Source File lib/sshasn1/sshasn1.c
- Source File lib/sshasn1/sshasn1create.c
- Source File lib/sshasn1/sshasn1print.c
- Source File lib/sshasn1/sshber-util.c
- Source File lib/sshasn1/sshber.c

7.3. Module Application Utilities

- Source File lib/sshapputil/pem-format.c
- Source File lib/sshapputil/ssh1encode.c
- Source File lib/sshapputil/ssh2pubkeyencode.c
- Source File lib/sshapputil/sshcipherlist.c
- Source File lib/sshapputil/sshkeyblob1.c
- Source File lib/sshapputil/sshkeyblob2.c
- Source File lib/sshapputil/sshprvkey.c
- Source File lib/sshapputil/sshpsystem.c
- Source File lib/sshapputil/sshpubkey.c
- Source File lib/sshapputil/sshsnlist.c

7.4. Module Audit

- Source File lib/sshutil/sshaudit/sshaudit.c
- Source File lib/sshutil/sshaudit/sshaudit_file.c
- Source File lib/sshutil/sshaudit/sshaudit_syslog.c
- Source File lib/sshutil/sshaudit/sshaudit_tables.c
- Source File lib/sshutil/sshaudit/sshaudit_util.c

7.5. Module Certificate Enrollment

- Source File lib/ssh enroll/crmf-crypto.c
- Source File lib/ssh enroll/enroll-pkix.c
- Source File lib/ssh enroll/enroll-scep.c
- Source File lib/ssh enroll/enroll.c
- Source File lib/ssh enroll/scep-client.c
- Source File lib/ssh enroll/scep-common.c
- Source File lib/ssh enroll/x509cmp.c
- Source File lib/ssh enroll/x509cmp_decode.c
- Source File lib/ssh enroll/x509cmp_encode.c
- Source File lib/ssh enroll/x509cmp_util.c

7.6. Module Certificate Store

- Source File lib/ssh validator/cert-db.c
- Source File lib/ssh validator/cmi-cert.c
- Source File lib/ssh validator/cmi-config.c
- Source File lib/ssh validator/cmi-crl.c
- Source File lib/ssh validator/cmi-debug.c
- Source File lib/ssh validator/cmi-edb.c
- Source File lib/ssh validator/cmi-http.c
- Source File lib/ssh validator/cmi-key-pk.c
- Source File lib/ssh validator/cmi-key.c
- Source File lib/ssh validator/cmi-ldap.c
- Source File lib/ssh validator/cmi-list.c
- Source File lib/ssh validator/cmi-map.c
- Source File lib/ssh validator/cmi-ocsp.c
- Source File lib/ssh validator/cmi-pcnst.c
- Source File lib/ssh validator/cmi-pkcs7.c
- Source File lib/ssh validator/cmi-trust.c
- Source File lib/ssh validator/cmi.c

7.7. Module Core Utilities

- Source File lib/ssh util/ssh core/sshbprintf.c
- Source File lib/ssh util/ssh core/sshbuffer.c
- Source File lib/ssh util/ssh core/sshcalendar.c
- Source File lib/ssh util/ssh core/sshdebug.c
- Source File lib/ssh util/ssh core/sshdllist.c
- Source File lib/ssh util/ssh core/sshdlqueue.c
- Source File lib/ssh util/ssh core/sshenum.c
- Source File lib/ssh util/ssh core/sshenumcase.c
- Source File lib/ssh util/ssh core/sshfastalloc.c
- Source File lib/ssh util/ssh core/sshfatal.c
- Source File lib/ssh util/ssh core/sshgetopt.c
- Source File lib/ssh util/ssh core/sshglobals.c
- Source File lib/ssh util/ssh core/sshmalloc.c
- Source File lib/ssh util/ssh core/sshmatch.c
- Source File lib/ssh util/ssh core/sshmemcmp.c
- Source File lib/ssh util/ssh core/sshmempool.c

- Source File lib/sshutil/sshcore/sshmempoolgen.c
- Source File lib/sshutil/sshcore/sshobstack.c
- Source File lib/sshutil/sshcore/sshrand.c
- Source File lib/sshutil/sshcore/sshrealloc.c
- Source File lib/sshutil/sshcore/sshsimplehashtable.c
- Source File lib/sshutil/sshcore/sshsnprintf.c
- Source File lib/sshutil/sshcore/sshstime.c
- Source File lib/sshutil/sshcore/sshsttime.c
- Source File lib/sshutil/sshcore/sshstr.c
- Source File lib/sshutil/sshcore/sshutil.c
- Source File lib/sshutil/sshcore/sshxbuffer.c
- Source File lib/sshutil/sshcore/sshxmalloc.c

If QuickSec internal engineering functionality is needed add the following:

- Source File lib/sshutil/sshcore/sshmallocdebug.c

If replacement memcmp() is needed add the following:

- Preprocessor Macro WITH_REPLACEMENT_MEMCMP

7.8. Module Cryptography

- Source File lib/sshcrypto/sshcipher/arcfour.c
- Source File lib/sshcrypto/sshcipher/blowfish.c
- Source File lib/sshcrypto/sshcipher/des.c
- Source File lib/sshcrypto/sshcipher/genciph.c
- Source File lib/sshcrypto/sshcipher/mode-gcm.c
- Source File lib/sshcrypto/sshcipher/mscapi-cipher.c
- Source File lib/sshcrypto/sshcipher/nociph.c
- Source File lib/sshcrypto/sshcipher/octeon-cipher.c
- Source File lib/sshcrypto/sshcipher/rc2.c
- Source File lib/sshcrypto/sshcipher/rijndael.c
- Source File lib/sshcrypto/sshcryptocore/crypto_init.c
- Source File lib/sshcrypto/sshcryptocore/crypto_tests.c
- Source File lib/sshcrypto/sshcryptocore/genaux.c
- Source File lib/sshcrypto/sshcryptocore/namelist.c
- Source File lib/sshcrypto/sshhash/genhash.c
- Source File lib/sshcrypto/sshhash/md2.c
- Source File lib/sshcrypto/sshhash/md4.c
- Source File lib/sshcrypto/sshhash/md5.c
- Source File lib/sshcrypto/sshhash/mscapi-hash.c
- Source File lib/sshcrypto/sshhash/octeon-hash.c
- Source File lib/sshcrypto/sshhash/sha.c
- Source File lib/sshcrypto/sshhash/sha256.c
- Source File lib/sshcrypto/sshhash/sha512.c
- Source File lib/sshcrypto/sshmac/genmac.c
- Source File lib/sshcrypto/sshmac/hmac.c
- Source File lib/sshcrypto/sshmac/macsc.c
- Source File lib/sshcrypto/sshmac/ssl3mac.c
- Source File lib/sshcrypto/sshmac/xcbc-mac.c
- Source File lib/sshcrypto/sshpk/dl-dh.c

- Source File lib/sshcrypto/sshpk/dl-dsa.c
- Source File lib/sshcrypto/sshpk/dl-generate.c
- Source File lib/sshcrypto/sshpk/dl-stack.c
- Source File lib/sshcrypto/sshpk/dl-utility.c
- Source File lib/sshcrypto/sshpk/dlfix.c
- Source File lib/sshcrypto/sshpk/dsa-maker.c
- Source File lib/sshcrypto/sshpk/dsa-user.c
- Source File lib/sshcrypto/sshpk/ecp-maker.c
- Source File lib/sshcrypto/sshpk/ecp-user.c
- Source File lib/sshcrypto/sshpk/ecpfix.c
- Source File lib/sshcrypto/sshpk/ecpglue.c
- Source File lib/sshcrypto/sshpk/genmp-integer.c
- Source File lib/sshcrypto/sshpk/genmp-prime.c
- Source File lib/sshcrypto/sshpk/genpkcs.c
- Source File lib/sshcrypto/sshpk/genpkcs_dh.c
- Source File lib/sshcrypto/sshpk/genpkcs_private.c
- Source File lib/sshcrypto/sshpk/genpkcs_public.c
- Source File lib/sshcrypto/sshpk/libmonitor.c
- Source File lib/sshcrypto/sshpk/pkcs1.c
- Source File lib/sshcrypto/sshpk/rsa-generate.c
- Source File lib/sshcrypto/sshpk/rsa-maker.c
- Source File lib/sshcrypto/sshpk/rsa-operation.c
- Source File lib/sshcrypto/sshpk/rsa-user.c
- Source File lib/sshcrypto/sshpk/rsa-utility.c
- Source File lib/sshcrypto/sshpk/ssh-pk-export.c
- Source File lib/sshcrypto/sshpk/ssh-pk-group.c
- Source File lib/sshcrypto/sshpk/ssh-pk-prv-def.c
- Source File lib/sshcrypto/sshpk/ssh-pk-prv-gen.c
- Source File lib/sshcrypto/sshpk/sshproxykey.c
- Source File lib/sshcrypto/sshpk/sshrgf-mgf1.c
- Source File lib/sshcrypto/sshpk/sshrgf-oaep.c
- Source File lib/sshcrypto/sshpk/sshrgf-pss.c
- Source File lib/sshcrypto/sshpk/sshrgf.c
- Source File lib/sshcrypto/sshrandom/ansi-x917rand.c
- Source File lib/sshcrypto/sshrandom/ansi-x962rand.c
- Source File lib/sshcrypto/sshrandom/devrandom.c
- Source File lib/sshcrypto/sshrandom/nist-sp-800-90.c
- Source File lib/sshcrypto/sshrandom/nist-health-test.c
- Source File lib/sshcrypto/sshrandom/genrand.c
- Source File lib/sshcrypto/sshrandom/randompool.c
- Source File lib/sshcrypto/sshrandom/sshrandom.c
- Source File lib/sshcryptoaux/aes_keywrap.c
- Source File lib/sshcryptoaux/bufhash.c
- Source File lib/sshcryptoaux/bufzip.c
- Source File lib/sshcryptoaux/genauxmp.c
- Source File lib/sshcryptoaux/keyexpand.c
- Source File lib/sshcryptoaux/oldimportapi.c
- Source File lib/sshcryptoaux/pkcs1_pad.c
- Source File lib/sshcryptoaux/sshcipheralias.c
- Source File lib/sshcryptoaux/sshrandompoll.c

If building for Unix with GCC (GNU/Linux) and i386 assembler is needed add the following:

- Preprocessor Macro ASM_ARCFOUR
- Preprocessor Macro ASM_BLOWFISH
- Preprocessor Macro ASM_DES
- Preprocessor Macro ASM_MD5
- Source File lib/sshcrypto/sshcipher/arcfour_386.S
- Source File lib/sshcrypto/sshcipher/blowfish386.S
- Source File lib/sshcrypto/sshcipher/des386.S
- Source File lib/sshcrypto/sshhash/md5_386.S

If tuning of data or instruction cache size parameters is needed add the following:

- Preprocessor Macro SSH_DATA_CACHE_SIZE
- Preprocessor Macro SSH_INSN_CACHE_SIZE

If ANSI X9.62 random number generator is needed add the following:

- Preprocessor Macro WITH_ANSI_RNG

If IDEA cipher is needed add the following:

- Preprocessor Macro WITH_IDEA

7.9. Module DHCP

- Source File ipsec/lib/sshdhcp/dhcp.c
- Source File ipsec/lib/sshdhcp/dhcp_options.c
- Source File ipsec/lib/sshdhcp/dhcp_packet.c
- Source File ipsec/lib/sshdhcp/dhcp_states.c
- Source File ipsec/lib/sshdhcp/dhcp_util.c

7.10. Module EAP

- Source File lib/ssheap/ssheap_aka.c
- Source File lib/ssheap/ssheap_common.c
- Source File lib/ssheap/ssheap_config.c
- Source File lib/ssheap/ssheap_connection.c
- Source File lib/ssheap/ssheap_md5.c
- Source File lib/ssheap/ssheap_mschap.c
- Source File lib/ssheap/ssheap_otp.c
- Source File lib/ssheap/ssheap_packet.c
- Source File lib/ssheap/ssheap_params.c
- Source File lib/ssheap/ssheap_pass_through.c
- Source File lib/ssheap/ssheap_protocol.c
- Source File lib/ssheap/ssheap_radius.c
- Source File lib/ssheap/ssheap_setup.c
- Source File lib/ssheap/ssheap_sim.c
- Source File lib/ssheap/ssheap_tls.c
- Source File lib/ssheap/ssheap_tokencard.c

7.11. Module Event Loop

- Source File lib/sshutil/ssheloop/sshoperation.c
- Source File lib/sshutil/ssheloop/sshthreadpool.c
- Source File lib/sshutil/ssheloop/ssh timeouts.c
- Source File lib/sshutil/ssh fsm/ssh fsm.c

If building for Unix (GNU/Linux) and use of POSIX threads is not needed add the following:

- Source File lib/sshutil/ssheloop/sshnothreads.c
- Source File lib/sshutil/ssheloop/sshthreadedtimeout.c

If building for Unix (GNU/Linux) and use of POSIX threads is needed add the following:

- Source File lib/sshutil/ssheloop/sshmt_pthreads.c
- Source File lib/sshutil/ssheloop/sshmt_timeouts.c

If building for Unix (GNU/Linux) add the following:

- Source File lib/sshutil/ssheloop/sshunixeloop.c

If building for Unix (GNU/Linux) and use of system DNS resolver is needed add the following:

- Preprocessor Macro `ENABLE_SYSTEM_DNS_RESOLVER`

If building for Unix (GNU/Linux) and use of `select()` instead of `poll()` is needed add the following:

- Preprocessor Macro `ENABLE_SELECT`

7.12. Module Externalkey

- Source File lib/sshexternalkey/dummyacc.c
- Source File lib/sshexternalkey/dummyprov.c
- Source File lib/sshexternalkey/extkeyprov.c
- Source File lib/sshexternalkey/genaccdevice.c
- Source File lib/sshexternalkey/genaccprovider.c
- Source File lib/sshexternalkey/softacc.c
- Source File lib/sshexternalkey/softprovider.c
- Source File lib/sshexternalkey/sshexternalkey.c
- Source File lib/sshexternalkey/sshsoftkey.c

If support for SafeNet 1840/1841/1842 is needed add the following:

- Source File lib/sshexternalkey/safenet_acc.c

If support for SafeNet 1840/1841/1842 is needed add one of the following:

- Preprocessor Macro `SSH_SAFENET_USE_1840_DEVICE`
- Preprocessor Macro `SSH_SAFENET_USE_1841_DEVICE`
- Preprocessor Macro `SSH_SAFENET_USE_1842_DEVICE`

If support for OCF is needed add the following:

- Preprocessor Macro `ENABLE_EXTERNALKEY_OCF_SP`
- Source File `lib/sshexternalkey/ocf_acc.c`

7.13. Module HTTP

- Source File `lib/sshhttp/sshhttpclient.c`
- Source File `lib/sshhttp/sshhttpserver.c`
- Source File `lib/sshhttp/sshhttputils.c`

7.14. Module IKEv2

- Source File `ipsec/lib/sshikev2/ikev2-auth-init-in.c`
- Source File `ipsec/lib/sshikev2/ikev2-auth-init-out.c`
- Source File `ipsec/lib/sshikev2/ikev2-auth-resp-in.c`
- Source File `ipsec/lib/sshikev2/ikev2-auth-resp-out.c`
- Source File `ipsec/lib/sshikev2/ikev2-auth2-init-in.c`
- Source File `ipsec/lib/sshikev2/ikev2-auth2-init-out.c`
- Source File `ipsec/lib/sshikev2/ikev2-auth2-resp-in.c`
- Source File `ipsec/lib/sshikev2/ikev2-auth2-resp-out.c`
- Source File `ipsec/lib/sshikev2/ikev2-child-init-in.c`
- Source File `ipsec/lib/sshikev2/ikev2-child-init-out.c`
- Source File `ipsec/lib/sshikev2/ikev2-child-resp-in.c`
- Source File `ipsec/lib/sshikev2/ikev2-child-resp-out.c`
- Source File `ipsec/lib/sshikev2/ikev2-common-info.c`
- Source File `ipsec/lib/sshikev2/ikev2-confutil.c`
- Source File `ipsec/lib/sshikev2/ikev2-crypto.c`
- Source File `ipsec/lib/sshikev2/ikev2-debug.c`
- Source File `ipsec/lib/sshikev2/ikev2-decode.c`
- Source File `ipsec/lib/sshikev2/ikev2-eap-auth.c`
- Source File `ipsec/lib/sshikev2/ikev2-encode.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-cfgmode-conv.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-cfgmode.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-conv.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-id-conv.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-init-info.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-init-p1.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-init-qm.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-init.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-nat-t.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-policy-certs.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-policy-p1.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-policy-p2.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-policy-qm.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-sa-conv.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-ts-conv.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-util.c`
- Source File `ipsec/lib/sshikev2/ikev2-fb-xauth.c`
- Source File `ipsec/lib/sshikev2/ikev2-groups.c`
- Source File `ipsec/lib/sshikev2/ikev2-ike-rekey-init-in.c`
- Source File `ipsec/lib/sshikev2/ikev2-ike-rekey-init-out.c`
- Source File `ipsec/lib/sshikev2/ikev2-ike-rekey-resp-in.c`

- Source File ipsec/lib/sshikev2/ikev2-ike-rekey-resp-out.c
- Source File ipsec/lib/sshikev2/ikev2-info-init-in.c
- Source File ipsec/lib/sshikev2/ikev2-info-init-out.c
- Source File ipsec/lib/sshikev2/ikev2-info-resp-in.c
- Source File ipsec/lib/sshikev2/ikev2-info-resp-out.c
- Source File ipsec/lib/sshikev2/ikev2-init-ike-sa.c
- Source File ipsec/lib/sshikev2/ikev2-init-info-sa.c
- Source File ipsec/lib/sshikev2/ikev2-init-ipsec-sa.c
- Source File ipsec/lib/sshikev2/ikev2-init.c
- Source File ipsec/lib/sshikev2/ikev2-ke-error-out.c
- Source File ipsec/lib/sshikev2/ikev2-linearize.c
- Source File ipsec/lib/sshikev2/ikev2-mobike.c
- Source File ipsec/lib/sshikev2/ikev2-multiple-auth.c
- Source File ipsec/lib/sshikev2/ikev2-nat-t.c
- Source File ipsec/lib/sshikev2/ikev2-packet-debug.c
- Source File ipsec/lib/sshikev2/ikev2-packet-decode.c
- Source File ipsec/lib/sshikev2/ikev2-packet-encode.c
- Source File ipsec/lib/sshikev2/ikev2-pk-auth.c
- Source File ipsec/lib/sshikev2/ikev2-prfplus.c
- Source File ipsec/lib/sshikev2/ikev2-recv.c
- Source File ipsec/lib/sshikev2/ikev2-rekey-ike.c
- Source File ipsec/lib/sshikev2/ikev2-render-ike-spi.c
- Source File ipsec/lib/sshikev2/ikev2-render-payload.c
- Source File ipsec/lib/sshikev2/ikev2-request-cookie-out.c
- Source File ipsec/lib/sshikev2/ikev2-sa-init-error.c
- Source File ipsec/lib/sshikev2/ikev2-sa-init-init-in.c
- Source File ipsec/lib/sshikev2/ikev2-sa-init-init-out.c
- Source File ipsec/lib/sshikev2/ikev2-sa-init-resp-in.c
- Source File ipsec/lib/sshikev2/ikev2-sa-init-resp-out.c
- Source File ipsec/lib/sshikev2/ikev2-sautil.c
- Source File ipsec/lib/sshikev2/ikev2-send.c
- Source File ipsec/lib/sshikev2/ikev2-shared-key-auth.c
- Source File ipsec/lib/sshikev2/ikev2-state-common.c
- Source File ipsec/lib/sshikev2/ikev2-state.c
- Source File ipsec/lib/sshikev2/ikev2-string-attribute-type.c
- Source File ipsec/lib/sshikev2/ikev2-string-auth-method.c
- Source File ipsec/lib/sshikev2/ikev2-string-cert-encoding.c
- Source File ipsec/lib/sshikev2/ikev2-string-id.c
- Source File ipsec/lib/sshikev2/ikev2-string-notify.c
- Source File ipsec/lib/sshikev2/ikev2-string-payload.c
- Source File ipsec/lib/sshikev2/ikev2-string-protocol.c
- Source File ipsec/lib/sshikev2/ikev2-string-transform.c
- Source File ipsec/lib/sshikev2/ikev2-tables.c
- Source File ipsec/lib/sshikev2/ikev2-tsutil.c
- Source File ipsec/lib/sshikev2/ikev2-window.c

7.15. Module IPsec Engine

- Source File ipsec/quicksec/engine/engine_alloc.c
- Source File ipsec/quicksec/engine/engine_arp.c
- Source File ipsec/quicksec/engine/engine_audit.c
- Source File ipsec/quicksec/engine/engine_audit_pkt.c

- Source File ipsec/quicksec/engine/engine_flow_id.c
- Source File ipsec/quicksec/engine/engine_flows.c
- Source File ipsec/quicksec/engine/engine_icmp.c
- Source File ipsec/quicksec/engine/engine_init.c
- Source File ipsec/quicksec/engine/engine_interfaces.c
- Source File ipsec/quicksec/engine/engine_mediatypes.c
- Source File ipsec/quicksec/engine/engine_nat.c
- Source File ipsec/quicksec/engine/engine_natt_keepalive.c
- Source File ipsec/quicksec/engine/engine_next_hop.c
- Source File ipsec/quicksec/engine/engine_packet_handler.c
- Source File ipsec/quicksec/engine/engine_pm_api_engine.c
- Source File ipsec/quicksec/engine/engine_pm_api_tcp_encaps.c
- Source File ipsec/quicksec/engine/engine_pme.c
- Source File ipsec/quicksec/engine/engine_pmtu.c
- Source File ipsec/quicksec/engine/engine_random.c
- Source File ipsec/quicksec/engine/engine_rate_limit.c
- Source File ipsec/quicksec/engine/engine_route.c
- Source File ipsec/quicksec/engine/engine_rule_execute.c
- Source File ipsec/quicksec/engine/engine_rule_lookup.c
- Source File ipsec/quicksec/engine/engine_rule_lookup_list.c
- Source File ipsec/quicksec/engine/engine_rule_lookup_tree.c
- Source File ipsec/quicksec/engine/engine_rules.c
- Source File ipsec/quicksec/engine/engine_tcp.c
- Source File ipsec/quicksec/engine/engine_tcp_rst.c
- Source File ipsec/quicksec/engine/engine_timeout.c
- Source File ipsec/quicksec/engine/engine_transform.c
- Source File ipsec/quicksec/engine/engine_trigger.c
- Source File ipsec/quicksec/engine/engine_udp.c

7.16. Module IPsec Packet Interceptor Utilities

- Source File ipsec/util/ip_cksum.c
- Source File ipsec/util/ip_cksum_packet.c
- Source File ipsec/util/virtual_adapter_arp.c
- Source File ipsec/util/virtual_adapter_misc.c

7.17. Module IPsec Policy Manager Support

- Source File ipsec/quicksec/policymanager/appgw.c
- Source File ipsec/quicksec/policymanager/appgw_st.c
- Source File ipsec/quicksec/policymanager/eng_pm_api_pm.c
- Source File ipsec/quicksec/policymanager/eng_rules.c
- Source File ipsec/quicksec/policymanager/eng_upcall.c
- Source File ipsec/quicksec/policymanager/pad_auth_domain.c
- Source File ipsec/quicksec/policymanager/pad_auth_passwd.c
- Source File ipsec/quicksec/policymanager/pad_auth_radius.c
- Source File ipsec/quicksec/policymanager/pad_authorization.c
- Source File ipsec/quicksec/policymanager/pad_authorization_local.c
- Source File ipsec/quicksec/policymanager/pad_ike.c
- Source File ipsec/quicksec/policymanager/pad_ike_certs.c
- Source File ipsec/quicksec/policymanager/pad_ike_certs_mscapi.c

- Source File ipsec/quicksec/policymanager/pad_ike_eap.c
- Source File ipsec/quicksec/policymanager/rac_virtual_ip.c
- Source File ipsec/quicksec/policymanager/rac_virtual_ip_cfgmode_st.c
- Source File ipsec/quicksec/policymanager/rac_virtual_ip_l2tp_st.c
- Source File ipsec/quicksec/policymanager/rac_virtual_ip_st.c
- Source File ipsec/quicksec/policymanager/ras.c
- Source File ipsec/quicksec/policymanager/ras_addrpool.c
- Source File ipsec/quicksec/policymanager/ras_cfgmode_client_store.c
- Source File ipsec/quicksec/policymanager/ras_dhcp_addrpool.c
- Source File ipsec/quicksec/policymanager/ras_legacy_auth_server.c
- Source File ipsec/quicksec/policymanager/ras_radius_acct.c
- Source File ipsec/quicksec/policymanager/sad_ike.c
- Source File ipsec/quicksec/policymanager/sad_ike_common_st.c
- Source File ipsec/quicksec/policymanager/sad_ike_i_negotiation_st.c
- Source File ipsec/quicksec/policymanager/sad_ike_initiator_st.c
- Source File ipsec/quicksec/policymanager/sad_ike_spis.c
- Source File ipsec/quicksec/policymanager/sad_mobike.c
- Source File ipsec/quicksec/policymanager/sad_mobike_st.c
- Source File ipsec/quicksec/policymanager/sad_sa_handler.c
- Source File ipsec/quicksec/policymanager/sad_sa_handler_manual.c
- Source File ipsec/quicksec/policymanager/sad_sa_handler_st.c
- Source File ipsec/quicksec/policymanager/spd_batch_st.c
- Source File ipsec/quicksec/policymanager/spd_config_st.c
- Source File ipsec/quicksec/policymanager/spd_iface_st.c
- Source File ipsec/quicksec/policymanager/spd_ike.c
- Source File ipsec/quicksec/policymanager/spd_ike_delete.c
- Source File ipsec/quicksec/policymanager/spd_ike_init.c
- Source File ipsec/quicksec/policymanager/spd_ike_psk.c
- Source File ipsec/quicksec/policymanager/spd_main.c
- Source File ipsec/quicksec/policymanager/spd_main_st.c
- Source File ipsec/quicksec/policymanager/spd_rule_lookup.c
- Source File ipsec/quicksec/policymanager/spd_rules.c
- Source File ipsec/quicksec/policymanager/spd_services.c
- Source File ipsec/quicksec/policymanager/spd_shutdown_st.c
- Source File ipsec/quicksec/policymanager/spd_tunnels.c
- Source File ipsec/quicksec/policymanager/spd_tunnels_ike.c
- Source File ipsec/quicksec/policymanager/util.c
- Source File ipsec/quicksec/policymanager/util_algorithms.c
- Source File ipsec/quicksec/policymanager/util_alloc.c
- Source File ipsec/quicksec/policymanager/util_audit.c
- Source File ipsec/quicksec/policymanager/util_cm.c
- Source File ipsec/quicksec/policymanager/util_cm_access.c
- Source File ipsec/quicksec/policymanager/util_cm_notify.c
- Source File ipsec/quicksec/policymanager/util_compat.c
- Source File ipsec/quicksec/policymanager/util_connection.c
- Source File ipsec/quicksec/policymanager/util_dnsresolver.c
- Source File ipsec/quicksec/policymanager/util_dpd.c
- Source File ipsec/quicksec/policymanager/util_ek.c
- Source File ipsec/quicksec/policymanager/util_ek_st.c
- Source File ipsec/quicksec/policymanager/util_ike_certs.c
- Source File ipsec/quicksec/policymanager/util_ike_cfgmode.c
- Source File ipsec/quicksec/policymanager/util_ike_confutils.c
- Source File ipsec/quicksec/policymanager/util_ike_id.c

- Source File ipsec/quicksec/policymanager/util_ike_ipsec.c
- Source File ipsec/quicksec/policymanager/util_ike_sautils.c
- Source File ipsec/quicksec/policymanager/util_ike_spis.c
- Source File ipsec/quicksec/policymanager/util_ike_tsutils.c
- Source File ipsec/quicksec/policymanager/util_ipsec.c
- Source File ipsec/quicksec/policymanager/util_l2tp.c
- Source File ipsec/quicksec/policymanager/util_l2tp_ins_st.c
- Source File ipsec/quicksec/policymanager/util_linearize.c
- Source File ipsec/quicksec/policymanager/util_mscapi.c
- Source File ipsec/quicksec/policymanager/util_nameserver.c
- Source File ipsec/quicksec/policymanager/util_peer.c
- Source File ipsec/quicksec/policymanager/util_render.c
- Source File ipsec/quicksec/policymanager/util_servers.c
- Source File ipsec/quicksec/policymanager/util_statistics.c
- Source File ipsec/quicksec/policymanager/util_tables.c
- Source File ipsec/quicksec/policymanager/util_tcpencap.c
- Source File ipsec/quicksec/policymanager/util_unknown_spis.c
- Source File ipsec/quicksec/policymanager/util_virtual_adapter.c

If building for other than GNU/Linux add the following:

- Preprocessor Macro INTERCEPTOR_IMPLEMENT_ROUTE_MODIFY
- Preprocessor Macro INTERCEPTOR_IMPLEMENT_VIRTUAL_ADAPTER_CONFIGURE

7.18. Module IPsec Utilities

- Source File ipsec/quicksec/engine/engine_pm_api_util.c
- Source File ipsec/util/ip_interfaces.c
- Source File ipsec/util/virtual_adapter_util.c

7.19. Module ISAKMP

- Source File ipsec/lib/sshisakmp/isakmp.c
- Source File ipsec/lib/sshisakmp/isakmp_attrs.c
- Source File ipsec/lib/sshisakmp/isakmp_cookie.c
- Source File ipsec/lib/sshisakmp/isakmp_crypt.c
- Source File ipsec/lib/sshisakmp/isakmp_da.c
- Source File ipsec/lib/sshisakmp/isakmp_debug.c
- Source File ipsec/lib/sshisakmp/isakmp_finalize.c
- Source File ipsec/lib/sshisakmp/isakmp_groups.c
- Source File ipsec/lib/sshisakmp/isakmp_id.c
- Source File ipsec/lib/sshisakmp/isakmp_init.c
- Source File ipsec/lib/sshisakmp/isakmp_input.c
- Source File ipsec/lib/sshisakmp/isakmp_linearize.c
- Source File ipsec/lib/sshisakmp/isakmp_misc.c
- Source File ipsec/lib/sshisakmp/isakmp_output.c
- Source File ipsec/lib/sshisakmp/isakmp_packet.c
- Source File ipsec/lib/sshisakmp/isakmp_reply.c
- Source File ipsec/lib/sshisakmp/isakmp_sa.c
- Source File ipsec/lib/sshisakmp/isakmp_stat.c
- Source File ipsec/lib/sshisakmp/isakmp_state.c

- Source File ipsec/lib/sshisakmp/isakmp_tables.c
- Source File ipsec/lib/sshisakmp/isakmp_udp.c
- Source File ipsec/lib/sshisakmp/isakmp_util.c

7.20. Module Kernel Mode Support

- Preprocessor Macro KERNEL
- Preprocessor Macro _KERNEL
- Source File lib/ssmath/sshmp-xuint.c
- Source File lib/sshutil/sshaudit/sshaudit.c
- Source File lib/sshutil/sshcore/sshdebug.c
- Source File lib/sshutil/sshcore/sshenum.c
- Source File lib/sshutil/sshcore/sshfatal.c
- Source File lib/sshutil/sshcore/sshmatch.c
- Source File lib/sshutil/sshcore/sshmemcmp.c
- Source File lib/sshutil/sshcore/sshrand.c
- Source File lib/sshutil/sshcore/sshsnprintf.c
- Source File lib/sshutil/sshcore/sshuistr.c
- Source File lib/sshutil/sshnet/sshinetbits.c
- Source File lib/sshutil/sshnet/sshinetcalc.c
- Source File lib/sshutil/sshnet/sshinetencode.c
- Source File lib/sshutil/sshnet/sshinetether.c
- Source File lib/sshutil/sshnet/sshinethash.c
- Source File lib/sshutil/sshnet/sshinetmapped.c
- Source File lib/sshutil/sshnet/sshinetmask.c
- Source File lib/sshutil/sshnet/sshinetmerge.c
- Source File lib/sshutil/sshnet/sshinetprint.c
- Source File lib/sshutil/sshnet/sshinetproto.c
- Source File lib/sshutil/sshnet/sshinetrender.c
- Source File lib/sshutil/sshstrutil/sshencodetypes.c

7.21. Module Kernel Mode Utilities

- Source File interceptor/libkernelutil/kernel_alloc.c
- Source File interceptor/libkernelutil/kernel_encode.c
- Source File interceptor/libkernelutil/packet_utils.c

7.22. Module L2TP

- Source File ipsec/lib/ssh12tp/ssh12tp.c
- Source File ipsec/lib/ssh12tp/ssh12tp_message.c
- Source File ipsec/lib/ssh12tp/ssh12tp_st_cc_initiator.c
- Source File ipsec/lib/ssh12tp/ssh12tp_st_cc_responder.c
- Source File ipsec/lib/ssh12tp/ssh12tp_st_lac_ic.c
- Source File ipsec/lib/ssh12tp/ssh12tp_st_lac_oc.c
- Source File ipsec/lib/ssh12tp/ssh12tp_st_lns_ic.c
- Source File ipsec/lib/ssh12tp/ssh12tp_st_lns_oc.c
- Source File ipsec/lib/ssh12tp/ssh12tp_st_session.c
- Source File ipsec/lib/ssh12tp/ssh12tp_st_tunnel.c
- Source File ipsec/lib/ssh12tp/ssh12tp_tables.c

- Source File ipsec/lib/sshldp/sshldp_transport.c
- Source File ipsec/lib/sshldp/sshldp_util.c

7.23. Module LDAP

- Source File lib/sshldp/ldap-bind.c
- Source File lib/sshldp/ldap-connect.c
- Source File lib/sshldp/ldap-conv.c
- Source File lib/sshldp/ldap-ext.c
- Source File lib/sshldp/ldap-filtertostr.c
- Source File lib/sshldp/ldap-init.c
- Source File lib/sshldp/ldap-input.c
- Source File lib/sshldp/ldap-modify.c
- Source File lib/sshldp/ldap-object.c
- Source File lib/sshldp/ldap-output.c
- Source File lib/sshldp/ldap-search.c
- Source File lib/sshldp/ldap-strtofilter.c

7.24. Module Linux Packet Interceptor

- Header Directory interceptor/linux
- Preprocessor Macro INTERCEPTOR_HAS_MARK_FUNC
- Preprocessor Macro INTERCEPTOR_HAS_PACKET_COPYIN
- Preprocessor Macro INTERCEPTOR_HAS_PACKET_COPYOUT
- Preprocessor Macro INTERCEPTOR_HAS_PACKET_DETACH
- Preprocessor Macro INTERCEPTOR_HAS_PACKET_INTERNAL_DATA_ROUTINES
- Preprocessor Macro INTERCEPTOR_HAS_PLATFORM_INCLUDE
- Preprocessor Macro INTERCEPTOR_HAS_VIRTUAL_ADAPTERS
- Preprocessor Macro INTERCEPTOR_PROVIDES_INTERFACE_INFORMATION
- Preprocessor Macro INTERCEPTOR_PROVIDES_IP_ROUTING
- Preprocessor Macro INTERCEPTOR_PROVIDES_VIRTUAL_ADAPTERS
- Preprocessor Macro SSH_LINUX_KBUILD_COMPILATION
- Source File interceptor/linux/linux_debug.c
- Source File interceptor/linux/linux_hook_magic.c
- Source File interceptor/linux/linux_iface.c
- Source File interceptor/linux/linux_ip_glue.c
- Source File interceptor/linux/linux_ipm.c
- Source File interceptor/linux/linux_kernel_alloc.c
- Source File interceptor/linux/linux_main.c
- Source File interceptor/linux/linux_misc.c
- Source File interceptor/linux/linux_mutex.c
- Source File interceptor/linux/linux_packet.c
- Source File interceptor/linux/linux_procfs.c
- Source File interceptor/linux/linux_route.c
- Source File interceptor/linux/linux_timeout.c
- Source File interceptor/linux/linux_virtual_adapter.c

If alignment of IP header to a word boundary is needed add the following:

- Preprocessor Macro INTERCEPTOR_IP_ALIGNS_PACKETS

7.25. Module Math

- Source File lib/sshmath/sshmp-2adic.c
- Source File lib/sshmath/sshmp-arithmetic-extra.c
- Source File lib/sshmath/sshmp-arithmetic.c
- Source File lib/sshmath/sshmp-convabs.c
- Source File lib/sshmath/sshmp-ecp.c
- Source File lib/sshmath/sshmp-init.c
- Source File lib/sshmath/sshmp-integer-core.c
- Source File lib/sshmath/sshmp-integer-misc.c
- Source File lib/sshmath/sshmp-intmod.c
- Source File lib/sshmath/sshmp-montgomery.c
- Source File lib/sshmath/sshmp-naf.c
- Source File lib/sshmath/sshmp-powm.c
- Source File lib/sshmath/sshmp-tests.c
- Source File lib/sshmath/sshmp-xuint.c
- Source File lib/sshmath/sshsieve.c

If building for Unix with GCC (GNU/Linux) and i386 assembler is needed add the following:

- Preprocessor Macro SSHMATH_ASSEMBLER_MACROS
- Preprocessor Macro SSHMATH_ASSEMBLER_SUBROUTINES
- Preprocessor Macro SSHMATH_I386
- Source File lib/sshmath/sshmp-asmopt_i386-att.S

If minimal version of the math library is needed add the following:

- Preprocessor Macro SSHMATH_MINIMAL

7.26. Module Miscellaneous Utilities

- Source File lib/sshutil/sshmisc/sshbufaux.c
- Source File lib/sshutil/sshmisc/sshcrc32.c
- Source File lib/sshutil/sshmisc/sshdecay.c
- Source File lib/sshutil/sshmisc/sshgenutils.c

7.27. Module Net Utilities

- Source File lib/sshutil/sshnet/sshdnserror.c
- Source File lib/sshutil/sshnet/sshdnsnameserver.c
- Source File lib/sshutil/sshnet/sshdnspacket.c
- Source File lib/sshutil/sshnet/sshdnspacketrender.c
- Source File lib/sshutil/sshnet/sshdnsquery.c
- Source File lib/sshutil/sshnet/sshdnsrender.c
- Source File lib/sshutil/sshnet/sshdnsresolver.c
- Source File lib/sshutil/sshnet/sshdnsrrdataprint.c
- Source File lib/sshutil/sshnet/sshdnsrrsetcache.c
- Source File lib/sshutil/sshnet/sshdnsrrsetrender.c
- Source File lib/sshutil/sshnet/sshdnsrrtype.c
- Source File lib/sshutil/sshnet/sshdnsrtransport.c
- Source File lib/sshutil/sshnet/sshdnsrtransporttcp.c

- Source File lib/sshutil/sshnet/sshdnstransportudp.c
- Source File lib/sshutil/sshnet/sshicmp-util.c
- Source File lib/sshutil/sshnet/sshinet.c
- Source File lib/sshutil/sshnet/sshinetbits.c
- Source File lib/sshutil/sshnet/sshinetcalc.c
- Source File lib/sshutil/sshnet/sshinetcompare.c
- Source File lib/sshutil/sshnet/sshinetencode.c
- Source File lib/sshutil/sshnet/sshinetether.c
- Source File lib/sshutil/sshnet/sshinethash.c
- Source File lib/sshutil/sshnet/sshinetmapped.c
- Source File lib/sshutil/sshnet/sshinetmask.c
- Source File lib/sshutil/sshnet/sshinetmerge.c
- Source File lib/sshutil/sshnet/sshinetnetmask.c
- Source File lib/sshutil/sshnet/sshinetparse.c
- Source File lib/sshutil/sshnet/sshinetprint.c
- Source File lib/sshutil/sshnet/sshinetproto.c
- Source File lib/sshutil/sshnet/sshinetrender.c
- Source File lib/sshutil/sshnet/sshinetscope.c
- Source File lib/sshutil/sshnet/sshinetstrtobin.c
- Source File lib/sshutil/sshnet/sshnameserver.c
- Source File lib/sshutil/sshnet/sshnetconfig.c
- Source File lib/sshutil/sshnet/sshpdbg.c
- Source File lib/sshutil/sshnet/sshsocks.c
- Source File lib/sshutil/sshnet/sshtcp.c
- Source File lib/sshutil/sshnet/sshudp-ip.c
- Source File lib/sshutil/sshnet/sshudp-str.c
- Source File lib/sshutil/sshnet/sshurl.c

If building for Unix (GNU/Linux) add the following:

- Source File lib/sshutil/sshnet/sshunixlocalstream.c
- Source File lib/sshutil/sshnet/sshunixtcp.c
- Source File lib/sshutil/sshnet/sshunixtcplocalstream.c
- Source File lib/sshutil/sshnet/sshunixudp.c

If building for Unix (GNU/Linux) and use of TCP_NODELAY is needed add the following:

- Preprocessor Macro ENABLE_TCP_NODELAY

If building for Unix (GNU/Linux) and use of blocking connect system call is needed add the following:

- Preprocessor Macro NO_NONBLOCKING_CONNECT

If building for GNU/Linux add the following:

- Source File lib/sshutil/sshnet/sshlinuxnetconfig.c
- Source File lib/sshutil/sshnet/sshlinuxnetevent.c

If building for GNU/Linux add the following:

- Source File lib/sshutil/sshnet/sshlinuxnetmac.c

If adjustment to the size of the global UDP datagram buffer size is needed add the following:

- Preprocessor Macro SSH_UDP_DATAGRAM_BUFFER_SIZE

7.28. Module OCF IPsec Hardware Accelerator

- Preprocessor Macro SSH_IPSEC_HWACCEL_CONFIGURED
- Preprocessor Macro SSH_IPSEC_HWACCEL_NAME=OCF
- Source File ipsec/hwaccel/ocf/ocf.c

7.29. Module PCI Support

If building for GNU/Linux add the following:

- Source File interceptor/linux/linux_pcihw.c

7.30. Module PKCS

- Source File lib/sshpkcs/pkcs1-formats.c
- Source File lib/sshpkcs/pkcs12-conv.c
- Source File lib/sshpkcs/pkcs12.c
- Source File lib/sshpkcs/pkcs5.c
- Source File lib/sshpkcs/pkcs6-cert.c
- Source File lib/sshpkcs/pkcs6.c
- Source File lib/sshpkcs/pkcs7-common.c
- Source File lib/sshpkcs/pkcs7-create-sync.c
- Source File lib/sshpkcs/pkcs7-create.c
- Source File lib/sshpkcs/pkcs7-decode.c
- Source File lib/sshpkcs/pkcs7-encode.c
- Source File lib/sshpkcs/pkcs7-receive-sync.c
- Source File lib/sshpkcs/pkcs7-receive.c
- Source File lib/sshpkcs/pkcs8.c

7.31. Module PPP

- Source File ipsec/lib/sshppp/sshppp_auth.c
- Source File ipsec/lib/sshppp/sshppp_chap.c
- Source File ipsec/lib/sshppp/sshppp_chap_fsm.c
- Source File ipsec/lib/sshppp/sshppp_config.c
- Source File ipsec/lib/sshppp/sshppp_eap_fsm.c
- Source File ipsec/lib/sshppp/sshppp_events.c
- Source File ipsec/lib/sshppp/sshppp_fcs.c
- Source File ipsec/lib/sshppp/sshppp_flush.c
- Source File ipsec/lib/sshppp/sshppp_fsm.c
- Source File ipsec/lib/sshppp/sshppp_io_stream.c
- Source File ipsec/lib/sshppp/sshppp_ipcp.c
- Source File ipsec/lib/sshppp/sshppp_ipcp_config.c
- Source File ipsec/lib/sshppp/sshppp_lcp.c
- Source File ipsec/lib/sshppp/sshppp_lcp_config.c
- Source File ipsec/lib/sshppp/sshppp_linkpkt.c
- Source File ipsec/lib/sshppp/sshppp_pap_fsm.c

- Source File ipsec/lib/sshppp/sshppp_protocol.c
- Source File ipsec/lib/sshppp/sshppp_protocol_fsm.c
- Source File ipsec/lib/sshppp/sshppp_radius.c
- Source File ipsec/lib/sshppp/sshppp_setup.c
- Source File ipsec/lib/sshppp/sshppp_thread.c
- Source File ipsec/lib/sshppp/sshppp_timer.c

7.32. Module Packet Streams

- Source File lib/sshutil/sshpacketstream/sshpacketimpl.c
- Source File lib/sshutil/sshpacketstream/sshpacketstream.c
- Source File lib/sshutil/sshpacketstream/sshpacketwrapper.c

7.33. Module RADIUS

- Source File lib/sshradius/sshradius.c
- Source File lib/sshradius/sshradius_tables.c
- Source File lib/sshradius/sshradius_url.c

7.34. Module SIM/USIM Support

- Source File lib/sshsim/sshsim_sample.c

7.35. Module SafeNet 1742 IPsec Hardware Accelerator

- Header Directory ipsec/hwaccel/safenet_pe
- Preprocessor Macro SAFENET_PE_PLATFORM_1742
- Preprocessor Macro SSH_IPSEC_HWACCEL_CONFIGURED
- Preprocessor Macro SSH_IPSEC_HWACCEL_NAME=SAFENET_PE_PEC_1742
- Preprocessor Macro SSH_IPSEC_HWACCEL_USE_COMBINED_TRANSFORM
- Source File ipsec/hwaccel/safenet_pe/safenet_la.c
- Source File ipsec/hwaccel/safenet_pe/safenet_la_utils.c
- Source File ipsec/hwaccel/safenet_pe/safenet_pe_pec.c

7.36. Module SafeNet 1746 IPsec Hardware Accelerator

- Header Directory ipsec/hwaccel/safenet_pe
- Preprocessor Macro SAFENET_PE_PLATFORM_1746
- Preprocessor Macro SSH_IPSEC_HWACCEL_CONFIGURED
- Preprocessor Macro SSH_IPSEC_HWACCEL_NAME=SAFENET_PE_PEC_1746
- Preprocessor Macro SSH_IPSEC_HWACCEL_USE_COMBINED_TRANSFORM
- Source File ipsec/hwaccel/safenet_pe/safenet_la.c
- Source File ipsec/hwaccel/safenet_pe/safenet_la_utils.c
- Source File ipsec/hwaccel/safenet_pe/safenet_pe_pec.c

7.37. Module Software IPsec Fastpath

- Source File ipsec/quicksec/fastpath/software/engine_fastpath.c
- Source File ipsec/quicksec/fastpath/software/engine_fastpath_impl.c
- Source File ipsec/quicksec/fastpath/software/engine_fragment.c
- Source File ipsec/quicksec/fastpath/software/engine_tcp_encaps.c
- Source File ipsec/quicksec/fastpath/software/engine_transform_in.c
- Source File ipsec/quicksec/fastpath/software/engine_transform_ipcomp.c
- Source File ipsec/quicksec/fastpath/software/engine_transform_nat.c
- Source File ipsec/quicksec/fastpath/software/engine_transform_out.c
- Source File ipsec/quicksec/fastpath/software/engine_transform_utils.c
- Source File ipsec/quicksec/fastpath/software/fastpath_alloc.c
- Source File ipsec/quicksec/fastpath/software/fastpath_flow_id.c
- Source File ipsec/quicksec/fastpath/software/fastpath_flows.c
- Source File ipsec/quicksec/fastpath/software/fastpath_fragmagic.c
- Source File ipsec/quicksec/fastpath/software/fastpath_icmp.c
- Source File ipsec/quicksec/fastpath/software/fastpath_init.c
- Source File ipsec/quicksec/fastpath/software/fastpath_mediatypes.c
- Source File ipsec/quicksec/fastpath/software/fastpath_packet_pullup.c
- Source File ipsec/quicksec/fastpath/software/fastpath_tcp.c
- Source File ipsec/quicksec/fastpath/software/fastpath_udp.c
- Source File ipsec/quicksec/fastpath/software/fastpath_utils.c

7.38. Module Software IPsec Fastpath Compression

- Source File lib/zlib/adler32.c
- Source File lib/zlib/deflate.c
- Source File lib/zlib/inffblock.c
- Source File lib/zlib/infcodes.c
- Source File lib/zlib/inffast.c
- Source File lib/zlib/inflate.c
- Source File lib/zlib/inftrees.c
- Source File lib/zlib/infutil.c
- Source File lib/zlib/trees.c
- Source File lib/zlib/zutil.c

7.39. Module Software IPsec Fastpath Cryptography

- Source File lib/sshcrypto/sshcipher/blowfish.c
- Source File lib/sshcrypto/sshcipher/des.c
- Source File lib/sshcrypto/sshcipher/mode-gcm.c
- Source File lib/sshcrypto/sshcipher/mscapi-cipher.c
- Source File lib/sshcrypto/sshcipher/octeon-cipher.c
- Source File lib/sshcrypto/sshcipher/rijndael.c
- Source File lib/sshcrypto/sshhash/md5.c
- Source File lib/sshcrypto/sshhash/mscapi-hash.c
- Source File lib/sshcrypto/sshhash/octeon-hash.c
- Source File lib/sshcrypto/sshhash/sha.c
- Source File lib/sshcrypto/sshhash/sha256.c
- Source File lib/sshcrypto/sshhash/sha512.c

- Source File lib/sshcrypto/sshmac/hmac.c
- Source File lib/sshcrypto/sshmac/xcbc-mac.c

If building for Unix with GCC (GNU/Linux) and i386 assembler is needed add the following:

- Preprocessor Macro ASM_BLOWFISH
- Preprocessor Macro ASM_DES
- Preprocessor Macro ASM_MD5
- Source File lib/sshcrypto/sshcipher/blowfish386.S
- Source File lib/sshcrypto/sshcipher/des386.S
- Source File lib/sshcrypto/sshhash/md5_386.S

If building for Linux and i386 assembler is needed add the following:

- Preprocessor Macro NEED_ASM_LINKAGE

7.40. Module Streams

- Source File lib/sshutil/sshstream/sshdstream.c
- Source File lib/sshutil/sshstream/sshfilterstream.c
- Source File lib/sshutil/sshstream/sshstream.c
- Source File lib/sshutil/sshstream/sshstreamconnect.c
- Source File lib/sshutil/sshstream/sshstreampair.c

7.41. Module String Utilities

- Source File lib/sshutil/sshstrutil/sshbase16.c
- Source File lib/sshutil/sshstrutil/sshbase64.c
- Source File lib/sshutil/sshstrutil/sshbitvector.c
- Source File lib/sshutil/sshstrutil/sshencode.c
- Source File lib/sshutil/sshstrutil/sshencodetypes.c
- Source File lib/sshutil/sshstrutil/sshfingerprint.c
- Source File lib/sshutil/sshstrutil/sshmiscstring.c
- Source File lib/sshutil/sshstrutil/sshregex.c
- Source File lib/sshutil/sshstrutil/sshstr.c
- Source File lib/sshutil/sshstrutil/sshutf8.c

If QuickSec internal engineering functionality is included and packet encoding/decoding failure simulation is needed add the following:

- Preprocessor Macro SSH_ENCODE_FAIL

7.42. Module System Utilities

- Source File lib/sshutil/sshsysutil/sshentropy.c
- Source File lib/sshutil/sshsysutil/sshfilebuffer.c
- Source File lib/sshutil/sshsysutil/sshfileio.c
- Source File lib/sshutil/sshsysutil/sshmallocspare.c
- Source File lib/sshutil/sshsysutil/sshsignals.c
- Source File lib/sshutil/sshsysutil/sshthreadedmbbox.c

If building for Unix (GNU/Linux) add the following:

- Source File lib/sshutil/sshsysutil/sshunixdevicestream.c
- Source File lib/sshutil/sshsysutil/sshunixdirectory.c
- Source File lib/sshutil/sshsysutil/sshunixfdstream.c

7.43. Module TLS

- Source File lib/sshtls/tls_accel.c
- Source File lib/sshtls/tls_alert.c
- Source File lib/sshtls/tls_appstream.c
- Source File lib/sshtls/tls_async.c
- Source File lib/sshtls/tls_cache.c
- Source File lib/sshtls/tls_crypto.c
- Source File lib/sshtls/tls_downstream.c
- Source File lib/sshtls/tls_extra.c
- Source File lib/sshtls/tls_kex.c
- Source File lib/sshtls/tls_kextrans.c
- Source File lib/sshtls/tls_kt_RCertificate.c
- Source File lib/sshtls/tls_kt_RCertificateRequest.c
- Source File lib/sshtls/tls_kt_RCertificateVerify.c
- Source File lib/sshtls/tls_kt_RChangeCipher.c
- Source File lib/sshtls/tls_kt_RClientHello.c
- Source File lib/sshtls/tls_kt_RClientKeyExchange.c
- Source File lib/sshtls/tls_kt_RFinished.c
- Source File lib/sshtls/tls_kt_RServerHello.c
- Source File lib/sshtls/tls_kt_RServerHelloDone.c
- Source File lib/sshtls/tls_kt_RServerKeyExchange.c
- Source File lib/sshtls/tls_kt_WCertificate.c
- Source File lib/sshtls/tls_kt_WCertificateRequest.c
- Source File lib/sshtls/tls_kt_WCertificateVerify.c
- Source File lib/sshtls/tls_kt_WChangeCipher.c
- Source File lib/sshtls/tls_kt_WClientHello.c
- Source File lib/sshtls/tls_kt_WClientKeyExchange.c
- Source File lib/sshtls/tls_kt_WFinished.c
- Source File lib/sshtls/tls_kt_WHelloRequest.c
- Source File lib/sshtls/tls_kt_WServerHello.c
- Source File lib/sshtls/tls_kt_WServerHelloDone.c
- Source File lib/sshtls/tls_kt_WServerKeyExchange.c
- Source File lib/sshtls/tls_kt_cont_funcs.c
- Source File lib/sshtls/tls_main.c
- Source File lib/sshtls/tls_multihash.c
- Source File lib/sshtls/tls_record.c
- Source File lib/sshtls/tls_suites.c
- Source File lib/sshtls/tls_tempkey.c
- Source File lib/sshtls/tls_util.c

7.44. Module User Mode Packet Interceptor

- Header Directory interceptor/usermode
- Preprocessor Macro INTERCEPTOR_HAS_VIRTUAL_ADAPTERS

- Preprocessor Macro INTERCEPTOR_PROVIDES_INTERFACE_INFORMATION
- Preprocessor Macro INTERCEPTOR_PROVIDES_IP_ROUTING
- Preprocessor Macro INTERCEPTOR_PROVIDES_VIRTUAL_ADAPTERS
- Source File interceptor/usermode/usermode_packet.c
- Source File interceptor/usermode/usermode_util.c
- Source File interceptor/usermode/usermodeinterceptor.c
- Source File interceptor/usermode/virtual_adapter.c

7.45. Module X.509 Certificate Support

- Source File lib/sshcert/dn-der.c
- Source File lib/sshcert/dn-ldap.c
- Source File lib/sshcert/dn-util.c
- Source File lib/sshcert/ekeys.c
- Source File lib/sshcert/ocsp_client.c
- Source File lib/sshcert/ocsp_common.c
- Source File lib/sshcert/ocsp_http.c
- Source File lib/sshcert/oid.c
- Source File lib/sshcert/sshglist.c
- Source File lib/sshcert/sshpswbsmac.c
- Source File lib/sshcert/x509.c
- Source File lib/sshcert/x509cert.c
- Source File lib/sshcert/x509cert_decode.c
- Source File lib/sshcert/x509cert_encode.c
- Source File lib/sshcert/x509cert_sync.c
- Source File lib/sshcert/x509crl.c
- Source File lib/sshcert/x509crl_decode.c
- Source File lib/sshcert/x509crl_encode.c
- Source File lib/sshcert/x509crl_sync.c
- Source File lib/sshcert/x509crmf_decode.c
- Source File lib/sshcert/x509crmf_encode.c
- Source File lib/sshcert/x509crmf_value.c
- Source File lib/sshcert/x509ext_decode.c
- Source File lib/sshcert/x509ext_encode.c
- Source File lib/sshcert/x509get.c
- Source File lib/sshcert/x509init.c
- Source File lib/sshcert/x509name_decode.c
- Source File lib/sshcert/x509name_encode.c
- Source File lib/sshcert/x509private.c
- Source File lib/sshcert/x509public_decode.c
- Source File lib/sshcert/x509public_encode.c
- Source File lib/sshcert/x509req_decode.c
- Source File lib/sshcert/x509req_encode.c
- Source File lib/sshcert/x509set.c
- Source File lib/sshcert/x509signature.c

7.46. Module XML

- Source File lib/sshxml/sshxml_accessors.c
- Source File lib/sshxml/sshxml_chain.c
- Source File lib/sshxml/sshxml_dom.c

- Source File lib/sshxml/sshxml_input_data.c
- Source File lib/sshxml/sshxml_input_file.c
- Source File lib/sshxml/sshxml_parser.c
- Source File lib/sshxml/sshxml_tables.c
- Source File lib/sshxml/sshxml_verifier.c
- Source File lib/sshxml/sshxml_verifier_dfa.c

7.47. Module XML IPsec Policy Manager

- Source File ipsec/quicksec/apps/quicksec_dtd.c
- Source File ipsec/quicksec/apps/quicksecpm.c
- Source File ipsec/quicksec/apps/quicksecpm_audit.c
- Source File ipsec/quicksec/apps/quicksecpm_xmlconf.c
- Source File ipsec/quicksec/apps/quicksecpm_xmlconf_alg.c
- Source File ipsec/quicksec/apps/quicksecpm_xmlconf_http.c

If QuickSec internal engineering functionality is needed add the following:

- Source File ipsec/quicksec/apps/quicksecpm_console.c

If building for Unix (GNU/Linux) include the following:

- Source File ipsec/quicksec/apps/quicksecpm_unix.c

7.48. Module Zlib

- Source File lib/zlib/adler32.c
- Source File lib/zlib/compress.c
- Source File lib/zlib/crc32.c
- Source File lib/zlib/deflate.c
- Source File lib/zlib/gzio.c
- Source File lib/zlib/inffblock.c
- Source File lib/zlib/infcodes.c
- Source File lib/zlib/inffast.c
- Source File lib/zlib/inflate.c
- Source File lib/zlib/inftrees.c
- Source File lib/zlib/infutil.c
- Source File lib/zlib/trees.c
- Source File lib/zlib/uncompr.c
- Source File lib/zlib/zutil.c