

## strongSwan - Bug #169

### Mac OS X Port make install fail.

26.01.2012 16:03 - Dj CC

<b>Status:</b>	Closed	<b>Start date:</b>	26.01.2012
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Tobias Brunner	<b>Estimated time:</b>	0.00 hour
<b>Category:</b>	libstrongswan	<b>Resolution:</b>	
<b>Target version:</b>	4.6.2		
<b>Affected version:</b>	4.6.1		

#### Description

When i run make after running the provided mac os x configure line, I get a failure on an undeclared constant (judging by the CAPS). I've copied an excerpt below.

The configure command completed without any errors. That was copied below the error make result. I also attached the two as files. Did you guys run into this when you did the MacOSX port?

Thanks for your help.

----- Make -----

```
crypto/crypto_tester.c: In function 'start_timing':
crypto/crypto_tester.c:110: warning: implicit declaration of function 'clock_gettime'
crypto/crypto_tester.c:110: error: 'CLOCK_THREAD_CPUTIME_ID' undeclared (first use in this function)
crypto/crypto_tester.c:110: error: (Each undeclared identifier is reported only once
crypto/crypto_tester.c:110: error: for each function it appears in.)
crypto/crypto_tester.c: In function 'end_timing':
crypto/crypto_tester.c:120: error: 'CLOCK_THREAD_CPUTIME_ID' undeclared (first use in this function)
make5: * [crypto_tester.lo] Error 1
make4: [all-recursive] Error 1
make3: [all] Error 2
make2: [all-recursive] Error 1
make1: [all-recursive] Error 1
make: * [all] Error 2
```

----- ./configure command -----

```
207:strongswan-4.6.1 ab$ ./configure --enable-kernel-pfkey --enable-kernel-pfroute --disable-kernel-netlink --enable-vstr
--disable-tools --disable-scripts --disable-pluto --with-group=wheel --with-lib-prefix=/opt/local
checking for a BSD-compatible install... /usr/bin/install e
checking whether build environment is sane... yes
checking for a thread-safe mkdir_p... /install-sh -c -d
checking for gawk... gawk
checking whether make sets $(MAKE)... yes
checking how to create a ustar tar archive... gnutar
checking for pkg-config... no
checking for gcc... gcc
checking whether the C compiler works... yes
checking for C compiler default output file name... a.out
checking for suffix of executables...
checking whether we are cross compiling... no
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether gcc accepts -g... yes
checking for gcc option to accept ISO C89... none needed
checking for style of include used by make... GNU
checking dependency style of gcc... gcc3
checking build system type... x86_64-apple-darwin10.7.0
checking host system type... x86_64-apple-darwin10.7.0
checking how to run the C preprocessor... gcc -E
checking for grep that handles long lines and -c... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for ANSI C header files... rm: conftest.dSYM: is a directory
rm: conftest.dSYM: is a directory
```

yes  
checking for sys/types.h... yes  
checking for sys/stat.h... yes  
checking for stdlib.h... yes  
checking for string.h... yes  
checking for memory.h... yes  
checking for strings.h... yes  
checking for inttypes.h... yes  
checking for stdint.h... yes  
checking forunistd.h... yes  
checking whether byte ordering is bigendian... no  
checking for a sed that does not truncate output... /usr/bin/sed  
checking for fgrep... /usr/bin/grep -F  
checking for ld used by gcc... /usr/llvm-gcc-4.2/libexec/gcc/i686-apple-darwin10/4.2.1/ld  
checking if the linker (/usr/llvm-gcc-4.2/libexec/gcc/i686-apple-darwin10/4.2.1/ld) is GNU ld... no  
checking for BSD or MS-compatible name lister (nm)... /usr/bin/nm  
checking the name lister (/usr/bin/nm) interface... BSD nm  
checking whether ln -s works... yes  
checking the maximum length of command line arguments... 196608  
checking whether the shell understands some XSI constructs... yes  
checking whether the shell understands "+="... yes  
checking for /usr/llvm-gcc-4.2/libexec/gcc/i686-apple-darwin10/4.2.1/ld option to reload object files... -r  
checking for objdump... no  
checking how to recognize dependent libraries... pass\_all  
checking for ar... ar  
checking for strip... strip  
checking for ranlib... ranlib  
checking command to parse /usr/bin/nm output from gcc object... ok  
checking for dsymutil... dsymutil  
checking for nmedit... nmedit  
checking for lipo... lipo  
checking for otool... otool  
checking for otool64... no  
checking for -single\_module linker flag... yes  
checking for -exported\_symbols\_list linker flag... yes  
checking for dlfcn.h... yes  
checking for objdir... .libs  
checking if gcc supports -fno-rtti -fno-exceptions... no  
checking for gcc option to produce PIC... -fno-common -DPIC  
checking if gcc PIC flag -fno-common -DPIC works... yes  
checking if gcc static flag -static works... no  
checking if gcc supports -c -o file.o... yes  
checking if gcc supports -c -o file.o... (cached) yes  
checking whether the gcc linker (/usr/llvm-gcc-4.2/libexec/gcc/i686-apple-darwin10/4.2.1/ld) supports shared libraries... yes  
checking dynamic linker characteristics... darwin10.7.0 dyld  
checking how to hardcode library paths into programs... immediate  
checking whether stripping libraries is possible... yes  
checking if libtool supports shared libraries... yes  
checking whether to build shared libraries... yes  
checking whether to build static libraries... yes  
checking for egrep... (cached) /usr/bin/grep -E  
checking for gawk... (cached) gawk  
checking for flex... flex  
checking lex output file root... lex.yy  
checking lex library... -ll  
checking whether yytext is a pointer... yes  
checking for bison... bison -y  
checking for perl... /usr/bin/perl  
checking for gperf... /opt/local/bin/gperf  
checking gperf version >= 3.0.0... yes  
checking for stdbool.h that conforms to C99... no  
checking for \_Bool... yes  
checking for working alloca.h... yes  
checking for alloca... yes  
checking for library containing dlopen... none required  
checking for library containing backtrace... none required  
checking for backtrace... yes

checking for library containing socket... none required  
checking for library containing clock\_gettime... no  
checking for clock\_gettime... no  
checking for library containing pthread\_create... none required  
checking for dladdr... yes  
checking for pthread\_condattr\_setclock(CLOCK\_MONOTONE)... no  
checking for pthread\_condattr\_init... yes  
checking for pthread\_cond\_timedwait\_monotonic... no  
checking for pthread\_cancel... yes  
checking for pthread\_rwlock\_init... yes  
checking for prctl... no  
checking for mallinfo... no  
checking for getpass... yes  
checking for closefrom... no  
checking sys/sockio.h usability... yes  
checking sys/sockio.h presence... yes  
checking for sys/sockio.h... yes  
checking glob.h usability... yes  
checking glob.h presence... yes  
checking for glob.h... yes  
checking net/pfkeyv2.h usability... yes  
checking net/pfkeyv2.h presence... yes  
checking for net/pfkeyv2.h... yes  
checking netipsec/ipsec.h usability... no  
checking netipsec/ipsec.h presence... no  
checking for netipsec/ipsec.h... no  
checking netinet6/ipsec.h usability... yes  
checking netinet6/ipsec.h presence... yes  
checking for netinet6/ipsec.h... yes  
checking linux/udp.h usability... no  
checking linux/udp.h presence... no  
checking for linux/udp.h... no  
checking for struct sockaddr.sa\_len... yes  
checking for struct sadb\_x\_policy.sadb\_x\_policy\_priority... no  
checking for in6addr\_any... yes  
checking for in6\_pktinfo... yes  
checking for IPSEC\_MODE\_BEET... no  
checking for IPSEC\_DIR\_FWD... no  
checking for RTA\_TABLE... no  
checking for gcc atomic operations... yes  
checking for register\_printf\_specifier... no  
checking for register\_printf\_function... no  
configure: printf does not support custom format specifiers!  
checking for main in -lvstr... yes  
checking for main in -lgmp... yes  
checking mpz\_powm\_sec... yes  
checking gmp.h version >= 4.1.4... yes  
configure: creating ./config.status  
config.status: creating Makefile  
config.status: creating man/Makefile  
config.status: creating init/Makefile  
config.status: creating init/systemd/Makefile  
config.status: creating src/Makefile  
config.status: creating src/include/Makefile  
config.status: creating src/libstrongswan/Makefile  
config.status: creating src/libstrongswan/plugins/aes/Makefile  
config.status: creating src/libstrongswan/plugins/des/Makefile  
config.status: creating src/libstrongswan/plugins/blowfish/Makefile  
config.status: creating src/libstrongswan/plugins/md4/Makefile  
config.status: creating src/libstrongswan/plugins/md5/Makefile  
config.status: creating src/libstrongswan/plugins/sha1/Makefile  
config.status: creating src/libstrongswan/plugins/sha2/Makefile  
config.status: creating src/libstrongswan/plugins/fips\_prf/Makefile  
config.status: creating src/libstrongswan/plugins/gmp/Makefile  
config.status: creating src/libstrongswan/plugins/random/Makefile  
config.status: creating src/libstrongswan/plugins/hmac/Makefile  
config.status: creating src/libstrongswan/plugins/xcbc/Makefile

config.status: creating src/libstrongswan/plugins/x509/Makefile  
config.status: creating src/libstrongswan/plugins/revocation/Makefile  
config.status: creating src/libstrongswan/plugins/constraints/Makefile  
config.status: creating src/libstrongswan/plugins/pubkey/Makefile  
config.status: creating src/libstrongswan/plugins/pkcs1/Makefile  
config.status: creating src/libstrongswan/plugins/pgp/Makefile  
config.status: creating src/libstrongswan/plugins/dnskey/Makefile  
config.status: creating src/libstrongswan/plugins/pem/Makefile  
config.status: creating src/libstrongswan/plugins/curl/Makefile  
config.status: creating src/libstrongswan/plugins/soup/Makefile  
config.status: creating src/libstrongswan/plugins/ldap/Makefile  
config.status: creating src/libstrongswan/plugins/mysql/Makefile  
config.status: creating src/libstrongswan/plugins/sqlite/Makefile  
config.status: creating src/libstrongswan/plugins/padlock/Makefile  
config.status: creating src/libstrongswan/plugins/openssl/Makefile  
config.status: creating src/libstrongswan/plugins/gcrypt/Makefile  
config.status: creating src/libstrongswan/plugins/agent/Makefile  
config.status: creating src/libstrongswan/plugins/pkcs11/Makefile  
config.status: creating src/libstrongswan/plugins/ctr/Makefile  
config.status: creating src/libstrongswan/plugins/ccm/Makefile  
config.status: creating src/libstrongswan/plugins/gcm/Makefile  
config.status: creating src/libstrongswan/plugins/af\_alg/Makefile  
config.status: creating src/libstrongswan/plugins/test\_vectors/Makefile  
config.status: creating src/libhydra/Makefile  
config.status: creating src/libhydra/plugins/attr/Makefile  
config.status: creating src/libhydra/plugins/attr\_sql/Makefile  
config.status: creating src/libhydra/plugins/kernel\_klips/Makefile  
config.status: creating src/libhydra/plugins/kernel\_netlink/Makefile  
config.status: creating src/libhydra/plugins/kernel\_pfkey/Makefile  
config.status: creating src/libhydra/plugins/kernel\_pfroute/Makefile  
config.status: creating src/libhydra/plugins/resolve/Makefile  
config.status: creating src/libfreeswan/Makefile  
config.status: creating src/libsimaka/Makefile  
config.status: creating src/libtls/Makefile  
config.status: creating src/libtncif/Makefile  
config.status: creating src/libtncs/Makefile  
config.status: creating src/libpts/Makefile  
config.status: creating src/libimcv/Makefile  
config.status: creating src/libimcv/plugins/imc\_test/Makefile  
config.status: creating src/libimcv/plugins/imv\_test/Makefile  
config.status: creating src/libimcv/plugins/imc\_scanner/Makefile  
config.status: creating src/libimcv/plugins/imv\_scanner/Makefile  
config.status: creating src/libimcv/plugins/imc\_attestation/Makefile  
config.status: creating src/libimcv/plugins/imv\_attestation/Makefile  
config.status: creating src/pluto/Makefile  
config.status: creating src/pluto/plugins/xauth/Makefile  
config.status: creating src/whack/Makefile  
config.status: creating src/charon/Makefile  
config.status: creating src/libcharon/Makefile  
config.status: creating src/libcharon/plugins/eap\_aka/Makefile  
config.status: creating src/libcharon/plugins/eap\_aka\_3gpp2/Makefile  
config.status: creating src/libcharon/plugins/eap\_identity/Makefile  
config.status: creating src/libcharon/plugins/eap\_md5/Makefile  
config.status: creating src/libcharon/plugins/eap\_gtc/Makefile  
config.status: creating src/libcharon/plugins/eap\_sim/Makefile  
config.status: creating src/libcharon/plugins/eap\_sim\_file/Makefile  
config.status: creating src/libcharon/plugins/eap\_sim\_pcsc/Makefile  
config.status: creating src/libcharon/plugins/eap\_simaka\_sql/Makefile  
config.status: creating src/libcharon/plugins/eap\_simaka\_pseudonym/Makefile  
config.status: creating src/libcharon/plugins/eap\_simaka\_reauth/Makefile  
config.status: creating src/libcharon/plugins/eap\_mschapv2/Makefile  
config.status: creating src/libcharon/plugins/eap\_tls/Makefile  
config.status: creating src/libcharon/plugins/eap\_ttls/Makefile  
config.status: creating src/libcharon/plugins/eap\_peap/Makefile  
config.status: creating src/libcharon/plugins/eap\_tnc/Makefile  
config.status: creating src/libcharon/plugins/eap\_radius/Makefile  
config.status: creating src/libcharon/plugins/tnc\_ifmap/Makefile

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config.status: creating src/libcharon/plugins/tnc_imc/Makefile
config.status: creating src/libcharon/plugins/tnc_imv/Makefile
config.status: creating src/libcharon/plugins/tnc_tnccs/Makefile
config.status: creating src/libcharon/plugins/tnccs_11/Makefile
config.status: creating src/libcharon/plugins/tnccs_20/Makefile
config.status: creating src/libcharon/plugins/tnccs_dynamic/Makefile
config.status: creating src/libcharon/plugins/socket_default/Makefile
config.status: creating src/libcharon/plugins/socket_raw/Makefile
config.status: creating src/libcharon/plugins/socket_dynamic/Makefile
config.status: creating src/libcharon/plugins/farp/Makefile
config.status: creating src/libcharon/plugins/smp/Makefile
config.status: creating src/libcharon/plugins/sql/Makefile
config.status: creating src/libcharon/plugins/medsrv/Makefile
config.status: creating src/libcharon/plugins/medcli/Makefile
config.status: creating src/libcharon/plugins/nm/Makefile
config.status: creating src/libcharon/plugins/addrblock/Makefile
config.status: creating src/libcharon/plugins/uci/Makefile
config.status: creating src/libcharon/plugins/ha/Makefile
config.status: creating src/libcharon/plugins/whitelist/Makefile
config.status: creating src/libcharon/plugins/certexpire/Makefile
config.status: creating src/libcharon/plugins/led/Makefile
config.status: creating src/libcharon/plugins/duplicheck/Makefile
config.status: creating src/libcharon/plugins/coupling/Makefile
config.status: creating src/libcharon/plugins/android/Makefile
config.status: creating src/libcharon/plugins/maemo/Makefile
config.status: creating src/libcharon/plugins/stroke/Makefile
config.status: creating src/libcharon/plugins/updown/Makefile
config.status: creating src/libcharon/plugins/dhcp/Makefile
config.status: creating src/libcharon/plugins/unit_tester/Makefile
config.status: creating src/libcharon/plugins/load_tester/Makefile
config.status: creating src/stroke/Makefile
config.status: creating src/ipsec/Makefile
config.status: creating src/starter/Makefile
config.status: creating src/_updown/Makefile
config.status: creating src/_updown_espmark/Makefile
config.status: creating src/_copyright/Makefile
config.status: creating src/openac/Makefile
config.status: creating src/scepclient/Makefile
config.status: creating src/pki/Makefile
config.status: creating src/dumm/Makefile
config.status: creating src/dumm/ext/extconf.rb
config.status: creating src/libfast/Makefile
config.status: creating src/manager/Makefile
config.status: creating src/medsrv/Makefile
config.status: creating src/checksum/Makefile
config.status: creating src/conftest/Makefile
config.status: creating scripts/Makefile
config.status: creating testing/Makefile
config.status: executing depfiles commands
config.status: executing libtool commands
```

## History

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### #1 - 30.01.2012 11:08 - Tobias Brunner

- Category set to *libstrongswan*
- Status changed from *New* to *Resolved*
- Assignee set to *Tobias Brunner*
- Target version set to *4.6.2*

It's been a while since we did the initial port to Mac OS X (I think it was 4.3.4), and there was not much done since.

Commit [7171d876](#) should fix this problem by disabling the crypto benchmarking mechanism if `CLOCK_THREAD_CPUTIME_ID` is not available (benchmarking is disabled anyway by default).

### #2 - 06.02.2012 10:47 - Tobias Brunner

- Status changed from Resolved to Closed

**Files**

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configure.rtf	14.6 KB	26.01.2012	Dj CC
make_fail.rtf	120 KB	26.01.2012	Dj CC