



dgarske left a comment

Contributor

@julek-wolfssl not sure if it is your PR changes, but this is consistently failing Jenkins:

./configure -enable-sp-math-all --enable-all --enable-intelasm --enable-sp-asm && make FAIL: scripts/unit.test



dgarske removed their assignment on Aug 17

julek-wolfssl commented on Aug 18

Member

Author

@dgarske The Jenkins issue was due to the size of the ticket object exceeding ssl->session->staticTicket. I'm not sure how my PR triggered that but I pushed a major overhaul to the ticket generation. I've made it more efficient and less error prone since the size is now calculated based on components and asserted to make sure everything fits where it should.

dgarske requested changes on Aug 18

View changes



dgarske left a comment

Contributor

Refactor looks good. Seems like a minor build macro issue...

[1;38;5;243m--enable-sslv3 --enable-tlsv10 --enable-certgen --enable-certext --enable-keygen -enable-testcert --enable-ecc --enable-supportedcurves --enable-curve25519 --enable-aesgcm -enable-camellia --enable-intelasm --enable-intelrand --disable-hashdrbg --enable-des3 --enableocspstapling --enable-ocspstapling2 --enable-certreq --enable-sha224 --enable-opensslextra -enable-psk --enable-sni --enable-alpn --enable-renegotiation-indication --enable-fpecc --disableharden C_EXTRA_FLAGS="-DHAVE_FFDHE_2048 -DHAVE_FFDHE_3072 -DHAVE_FFDHE_4096 -DHAVE_FFDHE_6144 -DHAVE_FFDHE_8192 -DMAX_CERTIFICATE_SZ=20000 -DWC_CTC_MAX_ALT_SIZE=20000 -DWOLFSSL_ALT_NAMES -DWOLFSSL STATIC RSA -DUSE QAE THREAD LS -DWC ASYNC NO AES -DWC ASYNC NO HASH -DUSE QAE STATIC MEM -DWC_NO_ASYNC_THREADING -DHAVE_IO_TIMEOUT -DDEFAULT_TIMEOUT_SEC=2 -DFP_ENTRIES=63 -DFP_LUT=12 -DWOLFSSL_ALWAYS_VERIFY_CB -DWOLFSSL_ALT_CERT_CHAINS -DWC_NO_CACHE_RESISTANT -DTFM_HUGE_SET -DWOLFSSL_NONBLOCK_OCSP -DHAVE_INTEL_MULX -mavx2 -mfma -fgnu89-inline" [0m The case with C_EXTRA_FLAGS + double-quotes EXTRACTED CFLAGS = -DHAVE FFDHE 2048 -DHAVE FFDHE 3072 -DHAVE FFDHE 4096 -DHAVE FFDHE 6144 -DHAVE_FFDHE_8192 -DMAX_CERTIFICATE_SZ=20000 -DWC_CTC_MAX_ALT_SIZE=20000 -DWOLFSSL_ALT_NAMES -DWOLFSSL_STATIC_RSA -DUSE_QAE_THREAD_LS -DWC_ASYNC_NO_AES -DWC_ASYNC_NO_HASH -DUSE_QAE_STATIC_MEM -DWC NO ASYNC THREADING -DHAVE IO TIMEOUT -DDEFAULT TIMEOUT SEC=2 -DFP ENTRIES=63 -DFP LUT=12 -DWOLFSSL_ALWAYS_VERIFY_CB -DWOLFSSL_ALT_CERT_CHAINS -DWC_NO_CACHE_RESISTANT -DTFM_HUGE_SET -DWOLFSSL_NONBLOCK_OCSP -DHAVE_INTEL_MULX -mavx2 -mfma -fgnu89-inline

```
Testing CONFIG REMAINDER = --enable-sslv3 --enable-tlsv10 --enable-certgen --enable-certext --
  enable-keygen --enable-testcert --enable-ecc --enable-supportedcurves --enable-curve25519 --
  enable-aesgcm --enable-camellia --enable-intelasm --enable-intelrand --disable-hashdrbg --enable-
  des3 --enable-ocspstapling --enable-ocspstapling2 --enable-certreq --enable-sha224 --enable-
  opensslextra --enable-psk --enable-sni --enable-alpn --enable-renegotiation-indication --enable-
  fpecc --disable-harden
  ♠[1;32mConfigure RESULT = 0♠[0m
  make[2]: warning: -j9 forced in submake: resetting jobserver mode.
  In file included from src/internal.c:89:
  ./wolfssl/internal.h:3671:5: error: unknown type name 'TicketNonce'
   3671
              TicketNonce
                               ticketNonce;
                                                   /* Nonce used to derive PSK */
              ^~~~~~~~~
  In file included from src/wolfio.c:37:
   Refactor ticket size to not accidentally go over WOLFSSL_TICKET_ENC_SZ _...
                                                                                               X 4d0ea62
   julek-wolfssl force-pushed the session-buffers branch from d65476e to 4d0ea62
                                                                                                Compare
   3 months ago
julek-wolfssl commented on Aug 18
                                                                                     Member
                                                                                               Author
I misunderstood when TicketNonce should be defined. Did && instead of || .
   dgarske requested changes on Aug 18
      View changes
     dgarske left a comment
                                                                                           Contributor
I also verified async still works ( --enable-all --enable-asynccrypt ).
      src/internal.c
                                                                                        Show resolved
      src/internal.c
                                                                                        Show resolved
   dgarske requested changes on Aug 18
      View changes
     dgarske left a comment
```

Contributor

```
Multi-test came up with an error:
  [all-gcc-c99] [4 of 18] [802ff84160]
     configure... real 0m16.293s user 0m11.224s sys 0m6.879s
     build...In file included from src/internal.c:89:
  src/internal.c: In function 'CreateTicket':
  ./wolfssl/internal.h:1710:18: error: redefinition of typedef '_args_test' [-Werror=pedantic]
           typedef char _args_test[sizeof((x)) >= sizeof((y)) ? 1 : -1]; \
  src/internal.c:33395:9: note: in expansion of macro 'WOLFSSL ASSERT SIZEOF GE'
  33395 | WOLFSSL_ASSERT_SIZEOF_GE(et->enc_ticket, *it);
       ./wolfssl/internal.h:1710:18: note: previous declaration of '_args_test' was here
  1710 | typedef char _{args\_test[sizeof((x)) >= sizeof((y)) ? 1 : -1];}
                         ^~~~~~~~
  src/internal.c:33394:9: note: in expansion of macro 'WOLFSSL_ASSERT_SIZEOF_GE'
         WOLFSSL_ASSERT_SIZEOF_GE(ssl->session->staticTicket, *et);
                ./wolfssl/internal.h:1710:5: error: ISO C90 forbids mixed declarations and code [-
 Werror=declaration-after-statement]
           typedef char _args_test[sizeof((x)) >= sizeof((y)) ? 1 : -1];
       ^~~~~~
  src/internal.c:33395:9: note: in expansion of macro 'WOLFSSL ASSERT SIZEOF GE'
         WOLFSSL_ASSERT_SIZEOF_GE(et->enc_ticket, *it);
       cc1: all warnings being treated as errors
 make[2]: *** [Makefile:6176: src/libwolfssl_la-internal.lo] Error 1
```

-○ Fix avoidSysCalls logic

X 06022e8

A julek-wolfssl assigned dgarske and unassigned julek-wolfssl on Aug 19

julek-wolfssl commented on Aug 19

Member

Author

Wrapped WOLFSSL_ASSERT_SIZEOF_GE in a do..while to allow multiple uses in one function.

julek-wolfssl requested a review from dgarske 3 months ago

dgarske requested changes on Aug 19

View changes



dgarske left a comment

Contributor

- A dgarske assigned julek-wolfssl and unassigned dgarske on Aug 19
- -O- Refactor and code review ✓ e565d0d
- ☐ julek-wolfssl force-pushed the session-buffers branch from 79e9ac3 to e565d0d 3 months ago

Compare

- dgarske self-requested a review 3 months ago
- A dgarske assigned dgarske and unassigned julek-wolfssl on Aug 22

dgarske requested changes on Aug 22

View changes

```
src/internal.c
33641
        33554
                          }
33642
        33555
33643
        33556
                          et = (ExternalTicket*)input;
33644
        33557
                          /* decrypt */
33645
        33558
                          ato32(et->enc_len, &inLen);
33646
33647
                          if (inLen > (word16)(len - WOLFSSL_TICKET_FIXED_SZ)) {
        33559
                          ato16(et->enc_len, &inLen);
```

dg

dgarske on Aug 22

Contributor

Please revert back to using 32-bit here! This was specifically changed to 32-bit to avoid an alignment padding issue. See #4908



dgarske on Aug 22

Contributor

Also please add an inline code comment to prevent this from changing again in the future. The structure element <code>enc_len</code> needs to be 32-bit aligned.



dgarske on Aug 22

Contributor

From @julek-wolfssl:

I disagree that this (referring to your last comment in 5476) needs to be reverted. I took a look at the original issue and the cause of the error was that in 5.2 the InternalTicket looked like this:

```
/* our ticket format */
   typedef struct InternalTicket {
                                          /* version when ticket created */
       ProtocolVersion pv;
       byte
                   suite[SUITE_LEN]; /* cipher suite when created */
       byte
                    msecret[SECRET_LEN]; /* master secret */
       word32
                   timestamp;
                                        /* born on */
                                         /* have extended master secret */
       word16
                    haveEMS;
#ifdef WOLFSSL_TLS13
                  ageAdd;
                                         /* Obfuscation of age */
       word32
                                         /* Named group used */
       word16
                   namedGroup;
      TicketNonce
                    ticketNonce;
                                         /* Ticket nonce */
   #ifdef WOLFSSL_EARLY_DATA
      word32
               maxEarlyDataSz; /* Max size of early data */
   #endif
#endif
   } InternalTicket;
```

It has word32 and word16 members. I fixed this in 617eda9 by changing everything to byte buffers. I ran into the same issue described in 4887 and changing the struct over to byte arrays was the correct fix.



dgarske on Aug 22

Contributor

FYI: enc_len used to be word16, then we changed it to word32 and now changing it back to word16.

A dgarske assigned julek-wolfssl and unassigned dgarske on Aug 22

dgarske approved these changes on Aug 22









