Subject: SSL and USEMALLOC
Posted by mdelfede on Fri, 11 Feb 2022 10:16:04 GMT
View Forum Message <> Reply to Message

Hi,

I have an application that needs to be compiled with USEMALLOC, but then SSL crashes on initblock :

SslInit
UPP_SSL_MALLOC(56, size 56, ../crypto/threads_pthread.c 29) -> 0x2b83088, MemorySize: 0, total = 64, thread: 139726390062464
UPP_SSL_MALLOC(176, size 176, ../crypto/lhash/lhash.c 51) -> 0x2b27578, MemorySize: 0, total = 248, thread: 139726390062464
UPP_SSL_MALLOC(128, size 128, ../crypto/lhash/lhash.c 59) -> 0x2b84f18, MemorySize: 0, total = 384, thread: 139726390062464
UPP_SSL_MALLOC(56, size 56, ../crypto/threads_pthread.c 29) -> 0x2b84d58, MemorySize: 0, total = 448, thread: 139726390062464
UPP_SSL_MALLOC(24, size 24, ../crypto/objects/o_names.c 219) -> 0x2b8e428, MemorySize: 0, total = 480, thread: 139726390062464
UPP_SSL_MALLOC(24, size 24, ../crypto/lhash/lhash.c 109) -> 0x2b8e548, MemorySize: 0, total = 512, thread: 139726390062464
UPP_SSL_MALLOC(24, size 24, ../crypto/objects/o_names.c 219) -> 0x2b8dbd8, MemorySize: 0, total = 544, thread: 139726390062464
UPP_SSL_FREE(0x2b8e428, size 32, ../crypto/objects/o_names.c 245), MemorySize: 0, total = 512, thread: 139726390062464
********** PANIC: SslFree corrupted

UPP_SSL_FREE(0x2b83088, size 64, ../crypto/threads_pthread.c 111), MemorySize: 0, total = 448, thread: 139726390062464
UPP_SSL_FREE(0x2b8e548, size 32, ../crypto/lhash/lhash.c 144), MemorySize: 0, total = 416, thread: 139726390062464
UPP_SSL_FREE(0x2b8dbd8, size 32, ../crypto/objects/o_names.c 287), MemorySize: 0, total = 384, thread: 139726390062464
UPP_SSL_FREE(0x2b84f18, size 136, ../crypto/lhash/lhash.c 92), MemorySize: 0, total = 248, thread: 139726390062464
UPP_SSL_FREE(0x2b27578, size 184, ../crypto/lhash/lhash.c 93), MemorySize: 0, total = 64, thread: 139726390062464
UPP_SSL_FREE(0x2b84d58, size 64, ../crypto/threads_pthread.c 111), MemorySize: 0, total = 0, thread: 139726390062464

I'm not sure if it's an UPP problem, but with no USEMALLOC it doesn't crash there.

Subject: Re: SSL and USEMALLOC
Posted by mirek on Sat, 12 Feb 2022 07:36:18 GMT
View Forum Message <> Reply to Message

Can you try this fix:

```
INITIALIZER(SSL)
{
 MemoryIgnoreLeaksBlock __;
 LLOG("SslInit");
 TcpSocketInit();
#ifdef UPP_HEAP
 CRYPTO_set_mem_functions(SslAlloc, SslRealloc, SslFree);
#endif
 SSL_library_init();
 SSL_load_error_strings();
}
```

?

Subject: Re: SSL and USEMALLOC
Posted by mdelfede on Sat, 12 Feb 2022 21:35:16 GMT
View Forum Message <> Reply to Message

Yep, it works perfectly, thank you.
If you apply it, please add also the #ifdef to xxxalloc function bodies, otherwise you'll get an unused warning!