
Subject: Problem with FreeBSD

Posted by [Novo](#) on Sun, 09 Jun 2024 15:11:57 GMT

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```
./umk reference Https CLANG -bus
in dir /usr/home/buildbot-worker/worker0/fb13-upp/build (timeout 1200 secs)
watching logfiles {}
argv: [b'./umk', b'reference', b'Https', b'CLANG', b'-bus']
using PTY: False
----- Core ( CLANG DEBUG SHARED DEBUG_FULL BLITZ POSIX BSD FREEBSD ) (1 / 3)
----- Core/SSL ( CLANG DEBUG SHARED DEBUG_FULL BLITZ POSIX BSD FREEBSD ) (2 / 3)
----- Https ( MAIN CLANG DEBUG SHARED DEBUG_FULL BLITZ POSIX BSD FREEBSD ) (3 /
3)
Linking...
ld: error: undefined symbol: SSL_get1_peer_certificate
>>> referenced by Socket.cpp:183
>>>
/usr/home/buildbot-worker/worker0/fb13-upp/build/.cache/upp.out/Core/SSL/CLANG.Debug.Debug_Full.Shared/Socket.o:(Upp::TcpSocket::SSLImp::Handshake())
>>> did you mean: SSL_get_peer_certificate
>>> defined in: /usr/lib/libssl.so
clang++: error: linker command failed with exit code 1 (use -v to see invocation)
There were errors. (0:00.12)
program finished with exit code 1
elapsedTime=0.141835
```

Subject: Re: Problem with FreeBSD

Posted by [mirek](#) on Wed, 26 Jun 2024 12:52:49 GMT

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```
Novo wrote on Sun, 09 June 2024 17:11./umk reference Https CLANG -bus
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There were errors. (0:00.12)
program finished with exit code 1
elapsedTime=0.141835
```

That is really interesting as Socket.cpp:183 looks like this:

```
cert.Set(SSL_get_peer_certificate(ssl));
```

Subject: Re: Problem with FreeBSD
Posted by [Novo](#) on Wed, 26 Jun 2024 19:21:24 GMT
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I ran full rebuild. The problem still remains.
It is hard to tell what is going on. FreeBSD 12 was fine ...

Subject: Re: Problem with FreeBSD
Posted by [Novo](#) on Wed, 26 Jun 2024 19:53:12 GMT
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Linking fails on FreeBSD 13.2.
14.0 is fine.

Subject: Re: Problem with FreeBSD
Posted by [Novo](#) on Thu, 27 Jun 2024 03:37:22 GMT
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14.1 is fine as well ...

Subject: Re: Problem with FreeBSD
Posted by [mirek](#) on Thu, 27 Jun 2024 06:40:29 GMT
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Novo wrote on Thu, 27 June 2024 05:37:14.1 is fine as well ...

I think there must be a temporary bug in FreeBSD 13.2. I would wager the problem is either that openssl headers are not compatible with libraries.

IDK, if this is was to be pursued, I would start by searching for `SSL_get_peer_certificate` and `SSL_get1_peer_certificate` in header files. I bet there is something like

```
#define SSL_get_peer_certificate SSL_get1_peer_certificate
```

somewhere which probably means not our fault...

Mirke

Subject: Re: Problem with FreeBSD

Posted by [Novo](#) on Sat, 29 Jun 2024 01:35:23 GMT

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Interestingly, there are two `ssl.h`:

```
/usr/local/include/openssl/ssl.h
```

```
/usr/include/openssl/ssl.h
```

First one:

```
# ifdef OPENSSSL_X509_H
```

```
__owur X509 *SSL_get0_peer_certificate(const SSL *s);
```

```
__owur X509 *SSL_get1_peer_certificate(const SSL *s);
```

```
/* Deprecated in 3.0.0 */
```

```
# ifndef OPENSSSL_NO_DEPRECATED_3_0
```

```
#  define SSL_get_peer_certificate SSL_get1_peer_certificate
```

```
# endif
```

```
# endif
```

Second one:

```
# ifdef HEADER_X509_H
```

```
__owur X509 *SSL_get_peer_certificate(const SSL *s);
```

```
# endif
```

Basically, U++ should define `OPENSSSL_NO_DEPRECATED_3_0` ...
