

## [HPADM] Re: Compiling Kermit with SSL – summary

*Source:* <http://unix.derkeiler.com/Mailing-Lists/HP-UX-Admin/2003-08/0104.html>

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*Allan.Marillier\_at\_dana.com*

*Date:* 08/25/03

To: hpux-admin@dutchworks.nl  
Date: Mon, 25 Aug 2003 16:52:53 -0400

This is not much of a summary, but it's the best I can do. I had no responses to this query at all. I assume this means that nobody has done this, or everybody was fighting fires with the spate of virus activity over the last few weeks. Any suggestions on a fix for this problem are welcome.

Allan Marillier  
Sent by: Allan Marillier  
08/21/2003 12:32 PM

To: hpux-admin@dutchworks.nl  
cc:  
Subject: Compiling Kermit with SSL

Has anyone successfully compiled Kermit with SSL (openssl) on HP-UX 11.x?

I have source for kermit 209, and openssl 0.9.6j and 0.9.7b. The kermit makefile says that it requires 0.9.6.

I can compile kermit with no issues as long as I don't try to link SSL. As soon as I try to recompile and link with SSL I get errors. OpenSSL compiled and installed with no issues to /usr/local/ssl which is where kermit expects to find it. The kermit make errors out attempting to link, complaining of unsatisfied symbols. The libraries are there, if I do strings on the libraries I see references to the functions supposedly unresolved. This happens whether I use HP's ANSI C compiler or gcc

```
cc -s -o wermit \  
ckcmαι.o ckclib.o kcutio.o ckufio.o \  
ckcfns.o ckcfn2.o ckcfn3.o ckuxla.o \  
ckcpro.o ckucmd.o ckuus2.o ckuus3.o \  
ckuus4.o ckuus5.o ckuus6.o ckuus7.o \  
ckuusx.o ckuusy.o ckuusr.o ckucns.o \  
ckudia.o ckusr.o ckcnnet.o ckusig.o \  

```

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```
ckctel.o ckcuni.o ckupty.o ckcfpt.o \  
ckuath.o ck_crp.o ck_ssl.o -lm -lcurses -L/usr/local/ssl/lib  
-lcrypto -lssl  
/usr/ccs/bin/ld: Unsatisfied symbols:  
  EVP_rc4 (first referenced in /usr/local/ssl/lib/libssl.a(ssl_algs.o))  
(code)  
  __eprintf (first referenced in  
/usr/local/ssl/lib/libcrypto.a(cryptlib.o)) (code)  
  __udivdi3 (first referenced in  
/usr/local/ssl/lib/libcrypto.a(b_print.o)) (code)  
  COMP_CTX_new (first referenced in  
/usr/local/ssl/lib/libssl.a(s3_enc.o)) (code)  
....  
  HMAC_Update (first referenced in /usr/local/ssl/lib/libssl.a(t1_enc.o))  
(code)  
  EVP_idea_cbc (first referenced in  
/usr/local/ssl/lib/libssl.a(ssl_algs.o)) (code)  
make[1]: *** [xermit] Error 1  
make[1]: Leaving directory `/var/tmp/AMARILL/kermit'  
make: *** [hpux1100o+openssl] Error 2
```

Any clues will be appreciated and I will summarize. For anyone curious as to why I would want to recompile kermit – apparently some ftp sites now requires secure connections using SSL. We need to connect to at least one like that. Kermit has been suggested as it is no longer "just a term emulation" but also has scriptable ftp, and scriptable ssh (using an existing ssh installation).

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```