

Problems complieing apache_1.3.31 and SSL

Source: <http://unix.derkeiler.com/Newsgroups/comp.unix.solaris/2004-07/1094.html>

From: Ralf Wiegand (*Rwiegand_at_nycap.rr.com*)

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orig. question:

```
> Hello -
> I got the following problem.
> Solaris 9 04/04 w/ gcc3.4.0/ latest:
> curl
> php
> mysql
> openssl.0.9.7c
> apache 1.3.31
>
> Final apache compile error message:
>
> pat-lite `././apaci` -fPIC -DSHARED_MODULE -DSSL_COMPAT -DSSL_ENGINE -I/opt/op
> enssl-0.9.7c/include -DMOD_SSL_VERSION=\"2.8.18\" ssl_expr_scan.c && mv ssl_expr
> _scan.o ssl_expr_scan.lo
> lex.ssl_expr.yy.c:1900: error: parse error before numeric constant
> lex.ssl_expr.yy.c: In function `ssl_expr_yy_scan_string':
> lex.ssl_expr.yy.c:1901: error: number of arguments doesn't match prototype
> lex.ssl_expr.yy.c:293: error: prototype declaration
> lex.ssl_expr.yy.c:1903: warning: passing arg 1 of `strlen' makes pointer from in
> teger without a cast
> lex.ssl_expr.yy.c:1903: warning: passing arg 1 of `ssl_expr_yy_scan_bytes' makes
> pointer from integer without a cast
> *** Error code 1
> make: Fatal error: Command failed for target `ssl_expr_scan.lo'
> Current working directory /opt/apache_1.3.31/src/modules/ssl
> *** Error code 1
> make: Fatal error: Command failed for target `all'
> Current working directory /opt/apache_1.3.31/src/modules
> *** Error code 1
> make: Fatal error: Command failed for target `subdirs'
> Current working directory /opt/apache_1.3.31/src
> *** Error code 1
> make: Fatal error: Command failed for target `build-std'
> Current working directory /opt/apache_1.3.31
> *** Error code 1
> make: Fatal error: Command failed for target `build'
```

>
>
> *I ran:*
> *./configure --enable-module=ssl \
> --enable-module=so --activate-module=src/modules/php4/libphp4.a \
> --enable-module=php4 \
> --prefix=/usr/local/apache \
> --enable-shared=ssl*
>
>
> *Can anybody help or point me in the right direction.*
>
> *Thank YOU*
> *Ralf Wiegand*
> *E-mail: rwigand@tmltechnologies.com*

Answer/Solution:

Re: Apache Compilation Problem: makes pointer from integer without a cast -

Author: dl-meek

In Reply To: Re: Apache Compilation Problem: makes pointer from integer without a cast -HELP May 11, 2004 6:29 AM

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I fought this for a good while yesterday. I found that touching *.c files really didn't help. Here is what I found to get around this issue.

1. Note that ssl_expr_scan.c is a derived object and technically should not be in the mod_ssl source tree. It is created by flex with input from ssl_expr_scan.l. The problem is that the generated .c file has a compilation error in it. It calls a routine in a format different from the declared routine prototype. That is a violation of ansi-c rules, and the compilation ends on that error. (The pointer from integer without a cast is only a warning - not an error.)

2. The mod_ssl developers know about this problem and decided to get around it by including a version of ssl_expr_scan.c that does compile. Where everyone gets tripped up is when make decides that ssl_expr_scan.c is out-of-date and rebuilds it using flex, only to put the errant .c file back in your source tree.

3. To overcome this, just before you issue make for apache, use /bin/cp to COPY ssl_expr_scan.c from the pkg.sslmod to the src/modules/ssl subdirectory in your apache source tree. This way, ssl_expr_scan.c will be more recent than ssl_expr_scan.l and make will see no reason to build a new .c file. Then, invoke make on your apache tree as usual. You should get a clean compile.

4. The real solution for this is for the modssl developers to fix the reason why ssl_expr_scan.l does not produce a cleanly compilable

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ssl_expr_scan.c file.

Hope this helps....

All the best,
Don Meek
Little Rock, AR, USA