

Forum:[Hack Forums](#)

Thread: [Compiling C Scripts Error](#)

Kumara - May 28, 2015, 10:59 pm

Hello, I'm having an error compiling a C script. I'm using GCC to compile.

It's a DNS scanner, but the problem persists with all my scanning scripts. DNS scanner source code: <http://pastebin.com/Ay8cQYUS>

```
dns.c:12:21: error: stropts.h: No such file or directory
```

```
dns.c: In function 'flood':
```

```
dns.c:103: warning: cast from pointer to integer of different size
```

```
dns.c: In function 'main':
```

```
dns.c:239: warning: passing argument 3 of 'pthread_create' from incompatible pointer type
```

```
/usr/include/pthread.h:225: note: expected 'void (*)(void )' but argument is of type 'void (*)()'
```

```
dns.c:254: warning: cast to pointer from integer of different size
```

Anyone know how to fix this?

Thanks.

g4143 - May 28, 2015, 11:02 pm

Anyone know how to fix this?

Yeah its line 300 in stropts.h.

How do you expect us to help with no source code?

Kumara - May 28, 2015, 11:04 pm

(May 28, 2015 11:02 PM)g4143 Wrote: [\[CITE\]](#) Anyone know how to fix this?

Yeah its line 300 in stropts.h.

How do you expect us to help with no source code?

<http://pastebin.com/Ay8cQYUS>

That's the source code.

g4143 - May 28, 2015, 11:09 pm

Do you have to link a shared object for stropts?

Kumara - May 28, 2015, 11:11 pm

(May 28, 2015 11:09 PM)g4143 Wrote: [\[CITE\]](#) Do you have to link a shared object for stropts?

Say again? I didn't understand what you meant.

Mic Righteous - May 28, 2015, 11:24 pm

add "-pthread" at the end of the gcc command.

Example:

```
gcc script.c -o script -pthread
```

g4143 - May 29, 2015, 1:43 am

(May 28, 2015 11:24 PM)Mic Righteous Wrote: [\[CITE\]](#) add "-pthread" at the end of the gcc command.

Example:

```
gcc script.c -o script -pthread
```

The pthread problem wasn't a missing shared object. It was an incorrect function signature.

Quote: dns.c:239: warning: passing argument 3 of 'pthread_create' from incompatible pointer type
/usr/include/pthread.h:225: note: expected 'void (*)(void)' but argument is of type 'void (*)()'
dns.c:254: warning: cast to pointer from integer of different size

Kumara - May 29, 2015, 1:48 am

(May 29, 2015 01:43 AM)g4143 Wrote: [\[CITE\]](#) The pthread problem wasn't a missing shared object. It was an incorrect function signature.

Could you perhaps give me a fix?

g4143 - May 29, 2015, 2:01 am

(May 29, 2015 01:48 AM)Greenpoison Wrote: [\[CITE\]](#) Could you perhaps give me a fix?

Well the pthread warning is the function signature here.

```
Code void recievethread(){
```

```
.....
```

```
}
```

it should be.

```
Code void recievethread(void){
```

```
.....
```

```
}
```

Kumara - May 29, 2015, 2:30 am

(May 29, 2015 02:01 AM)g4143 Wrote: [\[CITE\]](#) Well the pthread warning is the function signature here.

```
Code void recievethread(){
```

```
.....
```

```
}
```

it should be.

```
Code void recievethread(void){
```

```
.....
```

```
}
```

Thank you. I will test the fix ASAP.

Mouse? - May 29, 2015, 6:08 am

Also for the record, there's no way you wrote this but don't know that the problem is you're missing a header. You should probably stop stealing other people's code and learn how to write your own. That's one way to fix your problems.

g4143 - May 29, 2015, 6:42 am

(May 29, 2015 06:08 AM)-Mouse- Wrote: [\[CITE\]](#) Also for the record, there's no way you wrote this but don't know that the problem is you're missing a header. You should probably stop stealing other people's code and learn how to write your own. That's one way to fix your problems.

Actually to OP did post the code with the header file but that doesn't mean its a correct header file or that the header file is present on their machine.

Mouse? - May 29, 2015, 6:48 am

That's what I'm saying. He wrote all that code, but he couldn't understand "dns.c:12:21: error: stropts.h: No such file or directory". The code references a header file that's not there and he can't comprehend that.

g4143 - May 29, 2015, 6:50 am

(May 29, 2015 06:48 AM)-Mouse- Wrote: [\[CITE\]](#) That's what I'm saying. He wrote all that code, but he couldn't understand "dns.c:12:21: error: stropts.h: No such file or directory". The code references a header file that's not there and he can't comprehend that.

Well the problem could be a number of things and all of them are compiler/linker problems which can be nasty if you neglected that part of your C/C++ training.

Mouse? - May 29, 2015, 8:29 am

True, true. I'm just not open to trusting new HF users that just show up with code that "doesn't work for some reason"

Kumara - May 29, 2015, 2:24 pm

I never claimed I wrote the code, I can't code for shit.

I'm trying to learn, so there is no reason to be an ass over it.

0xDEAD10CC - May 29, 2015, 4:40 pm

If you're just trying to learn it would be smart to not start off with code that you can't comprehend and especially if you don't know how the linker works or how to solve these basic compiler errors.

Code dns.c:12:21: error: stropts.h: No such file or directory
Header file doesn't exist within the search paths.

Code dns.c: In function 'flood':
dns.c:103: warning: cast from pointer to integer of different size
pointers are not always 4 bytes, sometimes they are 8, and these are the two most common sizes.
Obviously your code is trying to cast the pointer address into an integral type that doesn't match the size of the pointer.

Code dns.c: In function 'main':
dns.c:239: warning: passing argument 3 of 'pthread_create' from incompatible pointer type
/usr/include/pthread.h:225: note: expected 'void (*)(void)' but argument is of type 'void (*)()'
Explained above.

Code dns.c:254: warning: cast to pointer from integer of different size
Explained above (in this post).

*If you're using C99, there are fixed size types available such as intptr_t.