

## FreeBSD Administration - Bug #719

### Unrecognized Command Line Option "-std=gnu++0x" With Gmake on FreeBSD

01/10/2016 10:08 AM - Daniel Curtis

<b>Status:</b>	Closed	<b>Start date:</b>	01/10/2016
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Daniel Curtis	<b>% Done:</b>	100%
<b>Category:</b>	Command-Line Help	<b>Estimated time:</b>	0.50 hour
<b>Target version:</b>	FreeBSD 9	<b>Spent time:</b>	0.50 hour

#### Description

I recently tried to install a NodeJS web application and came across an error that prevented the installation to work.

- I started the build process:

```
npm install
```

- Then the error came up, stating:

```
gmake: Entering directory '/usr/home/ff-accounts/fxa-auth-server/node_modules/scrypt-hash/build'
  CC(target) Release/obj.target/scrypt/crypto_scrypt-sse.o
  CXX(target) Release/obj.target/scrypt/node_scrypt.o
cclplus: error: unrecognized command line option "-std=gnu++0x"
scrypt.target.mk:97: recipe for target 'Release/obj.target/scrypt/node_scrypt.o' failed
gmake: *** [Release/obj.target/scrypt/node_scrypt.o] Error 1
gmake: Leaving directory '/usr/home/ff-accounts/fxa-auth-server/node_modules/scrypt-hash/build'
```

- It turns out I needed to install GCC:

```
pkg install gcc48
```

- And then set the CC, CXX, and CPP environment variables to use GCC instead of Clang:

```
export CC=gcc48
export CXX=g++48
export CPP=cpp48
```

- Then restart the npm install process:

```
npm install
```

**NOTE:** To use the GCC compiler permanently, edit the make.conf file:

```
vi /etc/make.conf
```

- And add the following:

```
.if !empty(.CURDIR:M/usr/ports/*) && exists(/usr/local/bin/gcc48)
CC=gcc48
CXX=g++48
```

```
CPP=cpp48  
.endif
```

## Resources

- <https://forums.freebsd.org/threads/can-not-switch-to-gcc-4-8.34974/>
- <http://unix.stackexchange.com/questions/130639/how-do-i-install-the-latest-gcc-on-freebsd>

## History

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### #1 - 01/10/2016 12:05 PM - Daniel Curtis

- Status changed from *New* to *Resolved*
- % Done changed from 0 to 100

### #2 - 02/20/2016 07:17 PM - Daniel Curtis

- Status changed from *Resolved* to *Closed*