FreeBSD Administration - Bug #719

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

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

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

Description

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

- Istarted 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
cc1plus: 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/b
uild'
```

- 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

#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