FreeBSD Administration - Support #690

Use GCC as the Default Compiler on FreeBSD

11/01/2015 07:18 PM - Daniel Curtis

Status:	Closed		**Start date:**	11/01/2015
Priority:	Normal		**Due date:**	
Assignee:	Daniel Curtis		**% Done:**	100%
Category:	Command-Line Help		**Estimated time:**	0.10 hour
Target version:	FreeBSD 9		**Spent time:**	0.50 hour

Description

Every once in a while I need to compile a program with GCC, instead of the default FreeBSD compiler Clang. To accomplish this I install the latest GCC and set it over Clang with environment variables.

- Install GCC:

```
pkg install gcc49
```

  - (Optional) Install GCC from the ports tree:

    ```
    cd /usr/port/lang/gcc49
    make install clean
    ```

- Set the CC, CXX, and CPP environment variables to use GCC:

```
setenv CC gcc49
setenv CXX g++49
setenv CPP cpp49
```

  - (Optional) Environment variables can be set at build time:

    ```
    env CC="gcc49" CXX="g++49" CPP="cpp49" CFLAGS="-std=c++11" make
    ```

Resources

- http://unix.stackexchange.com/questions/130639/how-do-i-install-the-latest-gcc-on-freebsd

History

#1 - 11/02/2015 11:09 AM - Daniel Curtis

- Description updated

- Status changed from New to Resolved

- % Done changed from 0 to 100

#2 - 11/27/2015 03:44 PM - Daniel Curtis

- Category set to Command-Line Help

- Status changed from Resolved to Closed