

QGIS Application - Bug report #17179

QGIS2.99 build does not find libpq-fe.h on OS X Sierra

2017-09-21 05:27 PM - David Liofetooth

Status: Closed	
Priority: Normal	
Assignee:	
Category: Build/Install	
Affected QGIS version: master	Regression?: No
Operating System: OS X 10.12.6	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: invalid
Crashes QGIS or corrupts data: No	Copied to github as #: 25078

Description

Using <https://github.com/qgis/QGIS/archive/master.zip> and David Marteau's makefile at <https://www.3liz.com/blog/rldhont/index.php?post/2017/06/01/How-to-build-qgis-on-OSX-with-MacPort> and adding

```
-DLIBZIP_INCLUDE_DIR:PATH=/opt/local/include \  
-DLIBZIP_CONF_INCLUDE_DIR:FILEPATH=/opt/local/lib/libzip/include \  
-DLIBZIP_LIBRARY:FILEPATH=/opt/local/lib/libzip.dylib \  

```

I'm able to build QGIS2.99 to this point:

```
In file included from /Users/liofooth/software/QGIS/QGIS-2.99a/tests/src/providers/testqgspostgresprovider.cpp:4:  
In file included from /Users/liofooth/software/QGIS/QGIS-2.99a/src/providers/postgres/qgspostgresprovider.h:24:  
/Users/liofooth/software/QGIS/QGIS-2.99a/src/providers/postgres/qgspostgresconn.h:33:10: fatal error: 'libpq-fe.h' file not found
```

The file is /opt/local/include/postgresql96/libpq-fe.h, supplied by MacPort postgresql96. How do we tell the build process where to find it?

I tried adding paths to the makefile, which worked fine with libzip, and modifying cmake/FindPostgres.cmake directly, but no dice.

Cheers,
Dave

History

#1 - 2017-09-24 05:59 PM - David Marteau

Hi David

Assuming that the PostgreSQL95 (or 96, but I'm still using 95 atm) port is installed, the cmake configure locate the postgres library:

```
-- Found PostgreSQL: /opt/local/lib/postgresql95/libpq.dylib
```

CMake use pg_config to locate the postgres library and includes, check that the CMakeCache.txt created in the build directory contains the following (should be quite similar with postgres96):

```
//Path to POSTGRESQL base directory  
POSTGRESQL_PREFIX:PATH=  
POSTGRES_CONFIG:FILEPATH=/opt/local/bin/pg_config
```

```
POSTGRES_CONFIG_PREFER_PATH:STRING=/bin
POSTGRES_INCLUDE_DIR:STRING=/opt/local/include/postgresql95
POSTGRES_LIBRARY:STRING=/opt/local/lib/postgresql95/libpq.dylib
//Determines whether POSTGRESQL support should be built
WITH_POSTGRESQL:BOOL=TRUE
```

There is also some cases where include paths are not reported to the CMakeLists.txt of some modules (see <https://github.com/qgis/QGIS/pull/5196>).

It seems that the compilation fail on compiling test, did the compilation succeeded when building the provider module itself ?

#2 - 2017-09-25 11:55 AM - Giovanni Manghi

- *Status changed from Open to Feedback*

#3 - 2018-02-22 12:52 PM - Giovanni Manghi

- *Resolution set to invalid*

- *Status changed from Feedback to Closed*

Closing for lack of feedback, please reopen if necessary.