

QGIS Application - Bug report #9035

Compiling fails on Arch Linux for python_module_qgis_gui

2013-11-08 11:23 AM - Donovan Cameron

Status: Closed	
Priority: Normal	
Assignee:	
Category: Build/Install	
Affected QGIS version: 2.0.1	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution: duplicate
Crashes QGIS or corrupts data:	Copied to github as #: 17690

Description

I've applied the patches from these two related issues:

- #8507
- #8601

This ticket is closely related to #8826 but the solution there is to disable python bindings which I'd like to avoid doing.

Here's what cmake found before the build and the resulting error is just after.

```
==> Starting build()...
patching file src/core/qgsmapperregistry.h
patching file src/gui/qgsattributedialog.h
patching file src/gui/qgsmapcanvas.h
patching file src/gui/qgsmessagelogviewer.h
patching file python/gui/qgsfieldvalidator.sip
-- The C compiler identification is GNU 4.8.2
-- The CXX compiler identification is GNU 4.8.2
-- Check for working C compiler: /usr/local/bin/cc
-- Check for working C compiler: /usr/local/bin/cc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Check for working CXX compiler: /usr/local/bin/g++
-- Check for working CXX compiler: /usr/local/bin/g++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- QGIS version: 2.0.1 Dufour (20001)
-- Found GRASS: /opt/grass (6.4.3)
-- Looking for openpty
-- Looking for openpty - not found
-- Looking for openpty
-- Looking for openpty - found
-- Found Proj: /usr/lib64/libproj.so
-- Found GEOS: /usr/lib/libgeos_c.so
-- Found GDAL: /usr/lib/libgdal.so (1.10.1)
-- Found Expat: /lib64/libexpat.so
-- Found Spatialindex: /usr/lib64/libspatialindex.so
-- Found Qwt: /usr/lib64/libqwt.so (6.0.2)
-- Found Sqlite3: /usr/lib64/libsqlite3.so
-- Found PostgreSQL: /usr/lib/libpq.so
-- Found SpatialLite: /usr/lib64/libspatialite.so
-- Looking for gaiaDropTable in /usr/lib64/libspatialite.so
```

```
-- Looking for gaiaDropTable in /usr/lib64/libspatialite.so - found
-- Looking for Q_WS_X11
-- Looking for Q_WS_X11 - found
-- Looking for Q_WS_WIN
-- Looking for Q_WS_WIN - not found
-- Looking for Q_WS_QWS
-- Looking for Q_WS_QWS - not found
-- Looking for Q_WS_MAC
-- Looking for Q_WS_MAC - not found
-- Found Qt4: /usr/bin/qmake-qt4 (found suitable version "4.8.5", minimum required is "4.5.0")
-- Touch support disabled
-- Found QScintilla2: /usr/lib64/libqscintilla2.so (2.7.2)
-- Pedantic compiler settings enabled
-- Found PythonInterp: /usr/bin/python2 (found version "2.7.5")
-- Found Python executable: /usr/bin/python2
-- Found Python version: 2.7.5
-- Found Python library: /usr/lib/libpython2.7.so
-- Found SIP version: 4.15.3
-- Found PyQt4 version: 4.10.3
-- Found QScintilla2 PyQt4 module: 2.7.2
-- Found GSL: -L/usr/lib -lgsl -lgslcblas -lm
-- Found FCGI: /usr/lib64/libfcgi.so
-- Configuring done
-- Generating done
-- Build files have been written to: /tmp/makepkg/qgis/src/build
```

Here's the compilation error.

```
Scanning dependencies of target python_module_qgis_gui
[ 98%] [ 98%] [100%] [100%] Building CXX object python/CMakeFiles/python_module_qgis_gui.dir/gui/sipgui part0.cpp.o
Building CXX object python/CMakeFiles/python_module_qgis_gui.dir/gui/sipgui part1.cpp.o
Building CXX object python/CMakeFiles/python_module_qgis_gui.dir/gui/sipgui part2.cpp.o
Building CXX object python/CMakeFiles/python_module_qgis_gui.dir/gui/sipgui part3.cpp.o
/usr/share/sip/QtGui/qsyntaxhighlighter.sip: In function 'PyObject*
meth_QgsExpressionHighlighter_setCurrentBlockUserData(PyObject*, PyObject*, PyObject*)':
/usr/share/sip/QtGui/qsyntaxhighlighter.sip:78:93: error: 'qtgui_wrap_ancestors' was not declared in this scope
    PyObject *py_td = qtgui_wrap_ancestors(td, sipType_QTextDocument);
                                   ^
python/CMakeFiles/python_module_qgis_gui.dir/build.make:443: recipe for target
'python/CMakeFiles/python_module_qgis_gui.dir/gui/sipgui part3.cpp.o' failed
make[2]: *** [python/CMakeFiles/python_module_qgis_gui.dir/gui/sipgui part3.cpp.o] Error 1
CMakeFiles/Makefile2:3099: recipe for target 'python/CMakeFiles/python_module_qgis_gui.dir/all' failed
make[1]: *** [python/CMakeFiles/python_module_qgis_gui.dir/all] Error 2
Makefile:136: recipe for target 'all' failed
make: *** [all] Error 2
==> ERROR: A failure occurred in build().
Aborting...
```

History

#1 - 2013-11-08 11:33 AM - Donovan Cameron

QGIS master compiles OK, here's the successful config it used on the same Arch Linux x86_64 system.

```
==> Starting build()...
==> Connecting to GIT server....
Cloning into 'qgis'...
remote: Counting objects: 8525, done.
remote: Compressing objects: 100% (6649/6649), done.
remote: Total 8525 (delta 2977), reused 5515 (delta 1830)
Receiving objects: 100% (8525/8525), 36.72 MiB | 791.00 KiB/s, done.
Resolving deltas: 100% (2977/2977), done.
Checking connectivity... done
Checking out files: 100% (8430/8430), done.
==> Applying source fixes...
-- The C compiler identification is GNU 4.8.2
-- The CXX compiler identification is GNU 4.8.2
-- Check for working C compiler: /usr/local/bin/cc
-- Check for working C compiler: /usr/local/bin/cc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Check for working CXX compiler: /usr/local/bin/g++
-- Check for working CXX compiler: /usr/local/bin/g++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- QGIS version: 2.1.0 Master (20100)
-- Found GRASS: /opt/grass (6.4.3)
-- Looking for openpty
-- Looking for openpty - not found
-- Looking for openpty
-- Looking for openpty - found
-- Found Proj: /usr/lib64/libproj.so
-- Found GEOS: /usr/lib/libgeos_c.so
-- Found GDAL: /usr/lib/libgdal.so (1.10.1)
-- Found Expat: /lib64/libexpat.so
-- Found Spatialindex: /usr/lib64/libspatialindex.so
-- Found Qwt: /usr/lib64/libqwt.so (6.0.2)
-- Found Sqlite3: /usr/lib64/libsqlite3.so
-- Found PostgreSQL: /usr/lib/libpq.so
-- Found Spatialite: /usr/lib64/libspatialite.so
-- Looking for gaiaDropTable in /usr/lib64/libspatialite.so
-- Looking for gaiaDropTable in /usr/lib64/libspatialite.so - found
-- Looking for Q_WS_X11
-- Looking for Q_WS_X11 - found
-- Looking for Q_WS_WIN
-- Looking for Q_WS_WIN - not found
-- Looking for Q_WS_QWS
-- Looking for Q_WS_QWS - not found
-- Looking for Q_WS_MAC
-- Looking for Q_WS_MAC - not found
-- Found Qt4: /usr/bin/qmake-qt4 (found suitable version "4.8.5", minimum required is "4.5.0")
-- Touch support disabled
```

-- Found QScintilla2: /usr/lib64/libqscintilla2.so (2.7.2)
-- Pedantic compiler settings enabled
-- Found PythonInterp: /usr/bin/python2 (found version "2.7.5")
-- Found SIP version: 4.15.3
-- Found PyQt4 version: 4.10.3
-- Found QScintilla2 PyQt4 module: 2.7.2
-- Found GSL: -L/usr/lib -lgsl -lgslcblas -lm
CMake Warning (dev) at tests/src/python/CMakeLists.txt:1 (INCLUDE):
Syntax Warning in cmake code at

/tmp/makepkg/qgis-git/src/qgis/cmake/UsePythonTest.cmake:60:12

Argument not separated from preceding token by whitespace.
This warning is for project developers. Use -Wno-dev to suppress it.

CMake Warning (dev) at tests/src/python/CMakeLists.txt:1 (INCLUDE):
Syntax Warning in cmake code at

/tmp/makepkg/qgis-git/src/qgis/cmake/UsePythonTest.cmake:60:29

Argument not separated from preceding token by whitespace.
This warning is for project developers. Use -Wno-dev to suppress it.

CMake Warning (dev) at tests/src/python/CMakeLists.txt:1 (INCLUDE):
Syntax Warning in cmake code at

/tmp/makepkg/qgis-git/src/qgis/cmake/UsePythonTest.cmake:63:23

Argument not separated from preceding token by whitespace.
This warning is for project developers. Use -Wno-dev to suppress it.

CMake Warning (dev) at tests/src/python/CMakeLists.txt:1 (INCLUDE):
Syntax Warning in cmake code at

/tmp/makepkg/qgis-git/src/qgis/cmake/UsePythonTest.cmake:63:37

Argument not separated from preceding token by whitespace.
This warning is for project developers. Use -Wno-dev to suppress it.

-- Ctest Binary Directory set to: /tmp/makepkg/qgis-git/src/qgis-build/output/bin
-- Configuring done
-- Generating done
-- Build files have been written to: /tmp/makepkg/qgis-git/src/qgis-build

#2 - 2013-11-11 08:08 PM - Donovan Cameron

- Status changed from Open to Closed

closed as duplicate of #8507

#3 - 2013-11-11 11:41 PM - Jürgen Fischer

- Resolution set to duplicate