

QGIS Application - Bug report #369

problems compiling with geos < 2.2.3

2006-11-01 11:52 PM - Redmine Admin

Status: Closed	
Priority: Low	
Assignee: Gary Sherman	
Category: Build/Install	
Affected QGIS version:	Regression?: No
Operating System: Debian	Easy fix?: No
Pull Request or Patch supplied:	Resolution: invalid
Crashes QGIS or corrupts data:	Copied to github as #: 10428

Description

With latest SVN sources (6044) I had trouble compiling having installed GEOS 2.2.1, but I had no problems with 2.2.3

Are there any known issues with that version? Shouldn't configure script give a warning about that?

1. Compiling QGIS SVN 6043:
- 2.
3.

```
./autogen.sh --prefix=/usr/local/qgis --with-python --with-grass=/usr/local/grass-6.3.cvs/ --with-geos=/usr/local/bin/geos-config --with-wfs
```
- 4.
5. [lots of stuff here]
- 6.
7. =====
8.

```
qgis 0.8.0
```
9. -----
10.

```
GDAL/OGR : yes (Version 1.3.2)
```
11.

```
GEOS : yes (Version 2.2.1)
```
12.

```
[[PostgreSQL]] : yes (Version 8.1.4)
```
13.

```
GRASS : yes
```
14.

```
SPIT : yes
```
15.

```
Georeferencer : yes
```
16.

```
WFS : yes
```
17.

```
GPS/GPX : yes
```
18.

```
PROJ4 : yes
```
19.

```
SQLITE3 : yes
```

20. Python : yes

21.

22. CPPFLAGS :

23. CXXFLAGS : -g -O2

24.

25. Debug : no

26. Plugin dir : /usr/local/qgis/lib/qgis

27.

28. The binary will be installed in /usr/local/qgis/bin

29.

30. The build is using Qt in /usr

31. Linking with Qt using ~~!QtCore !Qt3Support !QtGui !QtNetwork !QtSvg !QtCore !Qt3Support !QtGui !QtNetwork !QtXml !QtSvg !QtTest !QtDesigner~~

33. Configure finished, type 'make' to build.

34. steko@cycnus:~/src/qgis_unstable\$ make

35.

36. [lots of good stuff here]

37.

38. g++ -DHAVE_CONFIG_H -I. -I. -I../.. -DPREFIX=\\usr/local/qgis\\ -DPLUGINPATH=\\usr/local/qgis/lib/qgis\\ -DPKGDATA_PATH=\\usr/local/qgis/share/qgis\\ -g -O2 -DQT3_SUPPORT -I/usr/mkspecs/default -I/usr/include/qt4/Qt3Support -I/usr/include/qt4/QtCore -I/usr/include/qt4/QtDesigner -I/usr/include/qt4/QtGui -I/usr/include/qt4/QtNetwork -I/usr/include/qt4/QtOpenGL -I/usr/include/qt4/QtSql -I/usr/include/qt4/QtXml -I/usr/include/qt4 -I/usr/include/qt4/QtSvg -I/usr/include/qt4/QtTest -I/usr/include/qt4/QtDesigner -D_REENTRANT -DQT_THREAD_SUPPORT -I/usr/include/postgresql -DNO_DEBUG -I/usr/local/include -I/usr/local/include -I/usr/include/python2.4 -I../ui/ -I../widgets/projectionselector/ -I../legend/ -I../raster/ -I../composer/ -I../gui/ -g -O2 -MT libqgis_core_la-qgsdatasource.lo -MD -MP -MF .deps/libqgis_core_la-qgsdatasource.Tpo -c qgsdatasource.cpp -fPIC -DPIC -o .libs/libqgis_core_la-qgsdatasource.o

39. /usr/local/include/geos/geom.h:361: error: extra qualification 'geos::Coordinate::' on member 'setNull'

40. /usr/local/include/geos/geom.h:367: error: extra qualification 'geos::Coordinate::' on member 'getNull'

41. /usr/local/include/geos/geom.h:371: error: extra qualification 'geos::Coordinate::' on member 'Coordinate'

42. /usr/local/include/geos/geom.h:377: error: extra qualification 'geos::Coordinate::' on member 'Coordinate'

43. /usr/local/include/geos/geom.h:384: error: extra qualification 'geos::Coordinate::' on member 'Coordinate'

44. /usr/local/include/geos/geom.h:394: error: extra qualification 'geos::Coordinate::' on member 'Coordinate'

45.

```
/usr/local/include/geos/geom.h:400: error: extra qualification 'geos::Coordinate::' on member 'setCoordinate'
46.
/usr/local/include/geos/geom.h:406: error: extra qualification 'geos::Coordinate::' on member 'equals2D'
47.
/usr/local/include/geos/geom.h:416: error: extra qualification 'geos::Coordinate::' on member 'compareTo'
48.
/usr/local/include/geos/geom.h:432: error: extra qualification 'geos::Coordinate::' on member 'equals3D'
49.
/usr/local/include/geos/geom.h:436: error: extra qualification 'geos::Coordinate::' on member 'makePrecise'
50.
/usr/local/include/geos/geom.h:441: error: extra qualification 'geos::Coordinate::' on member 'distance'
51.
/usr/local/include/geos/geom.h:447: error: extra qualification 'geos::Coordinate::' on member 'hashCode'
52.
/usr/local/include/geos/geom.h:459: error: extra qualification 'geos::Coordinate::' on member 'hashCode'
53.
maker4: * [libqgis_core_la-qgsdatasource.lo] Error 1
54.
maker4: Leaving directory /home/steko/src/qgis_unstable/src/core'
55.
maker3: *** [all] Error 2
56.
maker3: Leaving directory /home/steko/src/qgis_unstable/src/core'
57.
maker2: [all-recursive] Error 1
58.
maker2: Leaving directory /home/steko/src/qgis_unstable/src'
59.
maker1: *** [all-recursive] Error 1
60.
maker1: Leaving directory /home/steko/src/qgis_unstable'
61.
make: ** [all] Error 2
62.
steko@cycnus:~/src/qgis_unstable$
```

History

#1 - 2006-11-02 11:38 AM - Gavin Macaulay -

- Resolution set to invalid
- Status changed from Open to Closed

The problem here is that the version of g++ that you are using is more strict about some aspects of C++ code than earlier versions, and hence complains about some of the geos 2.2.1 code. The solution is to either use an older compiler, find out what compiler switches turn off the namespace qualification check, fix those errors in the geom.h file, or move to a more recent version of geos.

Qgis will work fine with geos 2.2.1, it's just your compiler that's not happy.

#2 - 2009-08-22 12:46 AM - Anonymous

Milestone Version 0.8 deleted

