

QGIS Application - Bug report #1959

Trunk build fails with sip-4.9 and PyQt-4.6

2009-09-29 02:16 PM - John Tull

Status:	Closed		
Priority:	Low		
Assignee:	nobody -		
Category:	Build/Install		
Affected QGIS version:		Regression?:	No
Operating System:	OS X	Easy fix?:	No
Pull Request or Patch supplied:		Resolution:	fixed
Crashes QGIS or corrupts data:		Copied to github as #:	12019

Description

Build errors out on OS X using latest sip and pyqt releases (also qt-4.5.2-cocoa):

...

Creating qgisconfig.py...

Done

[58%] Generating core/core.so

In file included from /Library/Frameworks/QtCore.framework/Headers/qmetatype.h:45,
from /Library/Frameworks/QtCore.framework/Headers/QMetaType:1,
from sipAPIcore.h:13,
from sipcorecmodule.cpp:7:

/Library/Frameworks/QtCore.framework/Headers/qglobal.h:311:6: warning: #warning "Support for this version of Mac OS X is still preliminary"

In file included from /Library/Frameworks/QtCore.framework/Headers/qmetatype.h:45,
from /Library/Frameworks/QtCore.framework/Headers/QMetaType:1,
from sipAPIcore.h:13,
from sipcoreQList0101QgsVectorOverlay.cpp:7:

/Library/Frameworks/QtCore.framework/Headers/qglobal.h:311:6: warning: #warning "Support for this version of Mac OS X is still preliminary"

In file included from /Library/Frameworks/QtCore.framework/Headers/qmetatype.h:45,
from /Library/Frameworks/QtCore.framework/Headers/QMetaType:1,
from sipAPIcore.h:13,
from sipcoreQMultiMap24000100QgsSnappingResult.cpp:7:

/Library/Frameworks/QtCore.framework/Headers/qglobal.h:311:6: warning: #warning "Support for this version of Mac OS X is still preliminary"

In file included from /Library/Frameworks/QtCore.framework/Headers/qmetatype.h:45,
from /Library/Frameworks/QtCore.framework/Headers/QMetaType:1,
from sipAPIcore.h:13,
from sipcoreQList0100QgsVectorDataProviderNativeType.cpp:7:

/Library/Frameworks/QtCore.framework/Headers/qglobal.h:311:6: warning: #warning "Support for this version of Mac OS X is still preliminary"

In file included from /Library/Frameworks/QtCore.framework/Headers/qmetatype.h:45,
from /Library/Frameworks/QtCore.framework/Headers/QMetaType:1,
from sipAPIcore.h:13,
from sipcoreQMap18000100QgsGeometry.cpp:7:

/Library/Frameworks/QtCore.framework/Headers/qglobal.h:311:6: warning: #warning "Support for this version of Mac OS X is still preliminary"

In file included from /Library/Frameworks/QtCore.framework/Headers/qmetatype.h:45,
from /Library/Frameworks/QtCore.framework/Headers/QMetaType:1,
from sipAPIcore.h:13,

```
from sipcoreQMap18000600QMap18000100QVariant.cpp:7:
/Library/Frameworks/QtCore.framework/Headers/qglobal.h:311:6: warning: #warning "Support for this version of Mac OS X is still
preliminary"
/Users/jctull/sources/qgis/trunk/python/core/conversions.sip: In function 'int
convertTo_QMap_1800_0600QMap_1800_0100QVariant(PyObject*, void**, int*, [[PyObject]])':
/Users/jctull/sources/qgis/trunk/python/core/conversions.sip:370: error: 'sipClass_QVariant' was not declared in this scope
/Users/jctull/sources/qgis/trunk/python/core/conversions.sip:397: error: 'sipClass_QVariant' was not declared in this scope
maker3: * [sipcoreQMap18000600QMap18000100QVariant.o] Error 1
maker2: [python/core/core.so] Error 2
maker1: [python/CMakeFiles/python.dir/all] Error 2
make: * [all] Error 2
```

Associated revisions

Revision e67db942 - 2009-10-08 06:10 PM - Jürgen Fischer

fix #1959

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@11773> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision 3d35c57d - 2009-10-08 06:10 PM - Jürgen Fischer

fix #1959

git-svn-id: <http://svn.osgeo.org/qgis/trunk@11773> c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2009-10-04 12:34 PM - John Tull

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

With qt-4.5.3, this appears to be fixed.

#2 - 2009-10-04 02:52 PM - John Tull

- Status changed from Closed to Feedback
- Resolution deleted (fixed)

Replying to [comment:1 jctull]:

| With qt-4.5.3, this appears to be fixed.

I jumped the gun. Still unable to build with sip-4.9 and pyqt4.6.

#3 - 2009-10-05 09:08 PM - vince -

Try this on the python/core directory:

```
sed -E "s|sipClass(_\[[^\,\\]+\])(sipWrapperType *) sipTypeAsPyTypeObject (sipType\\|1)|" conversions.sip > tmp.sip
rm conversions.sip
mv tmp.sip conversions.sip
```

It should work.

#4 - 2009-10-06 11:40 AM - John Tull

I tried the above suggestion, but got an error with the sed command. My sed knowledge is not enough to sort out the issue.

```
sed -E "s|sipClass(_\[[^\,\\]+\])(sipWrapperType *) sipTypeAsPyTypeObject
```

```
| (sipType\\|1)|" conversions.sip > tmp.sip
```

```
sed: 1: "s|sipClass(_\[[^\,\\]+\])(s ...": unescaped newline inside substitute pattern
```

#5 - 2009-10-06 11:21 PM - vince -

Ah, apologies, I just cut/pasted out of a tcl script (Macports), where some characters must be escaped. The right command is:

```
sed -E "s|sipClass(_\[[^\,]+\])(sipWrapperType *) sipTypeAsPyTypeObject (sipType\\|1)|" conversions.sip > tmp.sip
rm conversions.sip
```

Sorry for that.

#6 - 2009-10-07 09:02 PM - John Tull

Replying to [comment:5 vince]:

```
| Ah, apologies, I just cut/pasted out of a tcl script (Macports), where some characters must be escaped. The right command is:
```

```
> sed -E "s|sipClass(_\[[^\,]+\])(sipWrapperType *) sipTypeAsPyTypeObject (sipType\\|1)|" conversions.sip > tmp.sip
> rm conversions.sip
```

```
| Sorry for that.
```

The sed command and appropriate replacement of the conversions.php file worked on the current trunk. Is this something that can be worked into the source code with an OS and lib check?

#7 - 2009-10-07 10:10 PM - vince -

This is not OS dependent, it is caused by a change of API between SIP 4.8 and 4.9. The version of SIP should be tested.

#8 - 2009-10-08 09:11 AM - Jürgen Fischer

- Status changed from *Feedback* to *Closed*

- Resolution set to *fixed*

Replying to [comment:7 vince]:

This is not OS dependent, it is caused by a change of API between SIP 4.8 and 4.9. The version of SIP should be tested.

#9 - 2009-10-08 04:02 PM - Jürgen Fischer

Replying to [comment:8 jef]:

[redacted]

Replying to [comment:7 vince]:

[redacted]

This is not OS dependent, it is caused by a change of API between SIP 4.8 and 4.9. The version of SIP should be tested.

but not with 4.7. commit:94ab29b1 (SVN r11781) hopefully works with all of them.

#10 - 2010-01-08 11:17 AM - Micha Silver

Compiling **qgis 1.3** on Fedora 12, I came across the same bug. The version of sip supplied on Fedora 12 is 4.9.3 .

Changing the conversions.sip file as suggested above solved the problem, and 'make' completed successfully.