

QGIS trunk failed to compile with sip 4.15

Status:	Closed	
Priority:	Normal	
Assignee:	Xavier Fung	
Category:	Build/Install	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 17267

Upgraded to sip 4.15 from Arch and trunk cannot be compiled with this error message.

```
/home/xavier/dev/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:36:10: note: candidate expects 4 arguments, 8 provided
```

```
/home/xavier/dev/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:39:10: note: bool
QgsPseudoColorShader::shade(double, double, double, int*, int*, int*)
    bool shade( double, double, double, int*, int*, int* );
        ^
/home/xavier/dev/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:39:10: note: candidate expects 6
arguments, 8 provided
make[2]: *** [python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart1.cpp.o] Error 1
make[1]: *** [python/CMakeFiles/python_module_qgis_core.dir/all] Error 2
make: *** [all] Error 2
```

Compilation went fine for sip 4.14.x

Associated revisions

Revision 641359d3 - 2013-09-10 08:12 AM - Christian Urich

fix #8507

made void connectNotify(const char * signal) protected instead of private
made bool eventFilter(QObject *obj, QEvent *event) protected instead of private
made void showEvent(QShowEvent *) and void hideEvent(QHideEvent *) instead of private

Revision 349a4c97 - 2013-09-22 09:57 PM - Christian Urich

fix #8507

made void connectNotify(const char * signal) protected instead of private
made bool eventFilter(QObject *obj, QEvent *event) protected instead of private
made void showEvent(QShowEvent *) and void hideEvent(QHideEvent *) instead of private

History

#1 - 2013-08-25 11:29 PM - Xavier Fung

I pulled the latest GIT but still got error.

```
[ 88%] Building CXX object python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart3.cpp.o
In file included from /home/xavier/dev/qgis-git/src/qgis/python/core/qgsmaplayerregistry.sip:10:0:
/home/xavier/dev/qgis-git/src/qgis/python/./src/core/qgsmaplayerregistry.h: In member function 'virtual void
sipQgsMapLayerRegistry::connectNotify(const char*)':
/home/xavier/dev/qgis-git/src/qgis/python/./src/core/qgsmaplayerregistry.h:252:10: error: 'virtual void QgsMapLayerRegistry::connectNotify(const
char*)' is private
    void connectNotify( const char * signal );
        ^
/home/xavier/dev/qgis-git/src/qgis-build/python/core/sipcorepart3.cpp:21560:46: error: within this context
    return;
        ^
make[2]: *** [python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart3.cpp.o] Error 1
make[1]: *** [python/CMakeFiles/python_module_qgis_core.dir/all] Error 2
make: *** [all] Error 2
```

#2 - 2013-08-30 01:27 PM - Samuel Fernando Mesa Giraldo

Whith update pacman I get the next error:

```
Scanning dependencies of target python_module_qgis_core
[ 88%] Building CXX object python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart0.cpp.o
[ 88%] Building CXX object python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart1.cpp.o
[ 88%] Building CXX object python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart2.cpp.o
[ 88%] Building CXX object python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart3.cpp.o
In file included from /home/samtux/Manjaro/src/AUR/qgis-git/src/qgis/python/core/qgsmoplayerregistry.sip:10:0:
/home/samtux/Manjaro/src/AUR/qgis-git/src/qgis/python/./src/core/qgsmoplayerregistry.h: En la función miembro 'virtual void
sipQgsMapLayerRegistry::connectNotify(const char*)':
/home/samtux/Manjaro/src/AUR/qgis-git/src/qgis/python/./src/core/qgsmoplayerregistry.h:252:10: error: 'virtual void
QgsMapLayerRegistry::connectNotify(const char*)' es privado
void connectNotify( const char * signal );
^

/home/samtux/Manjaro/src/AUR/qgis-git/src/qgis-build/python/core/sipcorepart3.cpp:21560:46: error: desde este contexto
return;
^

make[2]: *** [python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart3.cpp.o] Error 1
make[1]: *** [python/CMakeFiles/python_module_qgis_core.dir/all] Error 2
make: *** [all] Error 2
==> ERROR: Se produjo un error en build().
Cancelando...
```

#3 - 2013-09-02 11:35 PM - Jan Michalek

Have the same problem on arch linux. There is an problem with new SIP API. I had try some older sip versions, but this older versions arent cowork with qscintilla. I wasn't able to build qgis package.

I have qscintilla 2.7.2-3 and SIP 4-15.1

```
Scanning dependencies of target python_module_qgis_core
[ 87%] Building CXX object python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart0.cpp.o
[ 87%] Building CXX object python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart1.cpp.o
/home/jelen/Downloads/qgis-git/src/qgis-build/python/core/sipcorepart1.cpp: In member function 'virtual bool
sipQgsPseudoColorShader::shade(double, int*, int*, int*, int*)':
/home/jelen/Downloads/qgis-git/src/qgis-build/python/core/sipcorepart1.cpp:76446:58: error: no matching function for call to
'sipQgsPseudoColorShader::shade(double&, int*&, int*&, int*&, int*&)'
,
^
/home/jelen/Downloads/qgis-git/src/qgis-build/python/core/sipcorepart1.cpp:76446:58: note: candidates are:
In file included from /home/jelen/Downloads/qgis-git/src/qgis/python/core/raster/qgsrastershaderfunction.sip:6:0:
/home/jelen/Downloads/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:36:10: note: bool
QgsPseudoColorShader::shade(double, int*, int*, int*)
    bool shade( double, int*, int*, int* );
    ^
/home/jelen/Downloads/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:36:10: note: candidate expects 4 arguments, 5
provided
/home/jelen/Downloads/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:39:10: note: bool
QgsPseudoColorShader::shade(double, double, double, int*, int*, int*)
    bool shade( double, double, double, int*, int*, int* );
```

```

^
/home/jelen/Downloads/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:39:10: note: candidate expects 6 arguments, 5
provided
/home/jelen/Downloads/qgis-git/src/qgis-build/python/core/sipcorepart1.cpp: In member function 'virtual bool
sipQgsPseudoColorShader::shade(double, double, double, double, int*, int*, int*, int*)':
/home/jelen/Downloads/qgis-git/src/qgis-build/python/core/sipcorepart1.cpp:76461:67: error: no matching function for call to
'sipQgsPseudoColorShader::shade(double&, double&, double&, double&, int*&, int*&, int*&, int*&)'
    int a4;
        ^

/home/jelen/Downloads/qgis-git/src/qgis-build/python/core/sipcorepart1.cpp:76461:67: note: candidates are:
In file included from /home/jelen/Downloads/qgis-git/src/qgis/python/core/raster/qgsrastershaderfunction.sip:6:0:
/home/jelen/Downloads/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:36:10: note: bool
QgsPseudoColorShader::shade(double, int*, int*, int*)
    bool shade( double, int*, int*, int* );
        ^

/home/jelen/Downloads/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:36:10: note: candidate expects 4 arguments, 8
provided
/home/jelen/Downloads/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:39:10: note: bool
QgsPseudoColorShader::shade(double, double, double, int*, int*, int*)
    bool shade( double, double, double, int*, int*, int* );
        ^

/home/jelen/Downloads/qgis-git/src/qgis/python/./src/core/raster/qgspseudocolorshader.h:39:10: note: candidate expects 6 arguments, 8
provided
make[2]: * [python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart1.cpp.o] Error 1
make[1]: [python/CMakeFiles/python_module_qgis_core.dir/all] Error 2
make: ** [all] Error 2
==> CHYBA: Došlo k chybě v build().
Rušení...

```

#4 - 2013-09-05 11:56 PM - Jan Michalek

- Assignee set to Xavier Fung

With this versions of packages makepkg works regulary

```

python-sip 4.14.7-1
python2-sip 4.14.7-1
sip 4.14.7-1
python-qscintilla 2.7.1-3
python-qscintilla-common 2.7.1-3
python2-qscintilla 2.7.1-3
pyqt4-common 4.10.2-1
python-pyqt4 4.10.2-1
python2-pyqt4 4.10.2-1

```

#5 - 2013-09-09 07:35 PM - Christian Urich

Run into the same issue (OSX 10.8 and sip 4.15.1)

```

/Users/christianurich/Documents/Quantum-GIS/python/./src/core/qgsmaplayerregistry.h: In member function 'virtual void
sipQgsMapLayerRegistry::connectNotify(const char*)':
/Users/christianurich/Documents/Quantum-GIS/python/./src/core/qgsmaplayerregistry.h:252: error: 'virtual void

```

```
QgsMapLayerRegistry::connectNotify(const char*)' is private
/Users/christianurich/Documents/Quantum-GIS/build/release/python/core/sipcorepart3.cpp:21714: error: within this context
make[2]: *** [python/CMakeFiles/python_module_qgis_core.dir/core/sipcorepart3.cpp.o] Error 1
make[2]: *** Waiting for unfinished jobs....
```

A quick fix was making some methods protected instead of private, see pull request

<https://github.com/qgis/Quantum-GIS/pull/883>

#6 - 2013-09-09 11:14 PM - Christian Urich

- Status changed from Open to Closed

Fixed in changeset commit:"641359d3cb70706f367014648cd961e905bca2dd".

#7 - 2013-11-11 08:13 PM - Donovan Cameron

Building QGIS 2 (release) gets almost to the end and then what looks like another sip related error:

```
[100%] Building CXX object python/CMakeFiles/python_module_qgis_gui.dir/gui/sipgui3.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/sipgui3.cpp.o' failed
make[2]: *** [python/CMakeFiles/python_module_qgis_gui.dir/gui/sipgui3.cpp.o] Error 1
make[2]: *** Waiting for unfinished jobs....
CMakeFiles/Makefile2:3064: 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
```

Is there another patch for 2.0.1 that can be used for this? I've already applied the one in this ticket and the build made it a lot farther.