

QGIS Application - Bug report #20930

Master fails to build wit sip-4.19.14

2019-01-07 11:22 AM - marisn -

Status:	Open	
Priority:	Normal	
Assignee:		
Category:	Python bindings / sipify	
Affected QGIS version:	3.5(master)	Regression?: No
Operating System:	Linux	Easy fix?: No
Pull Request or Patch applied:	Yes	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 28749
Description		
Gentoo ships following SIP versions: dev-python/PyQt5-sip-4.19.14_pre1812231555:0/12 dev-python/sip-4.19.14_pre1812231555:0/12 <pre>Scanning dependencies of target python_module_qgis__gui [98%] Building CXX object python/CMakeFiles/python_module_qgis__gui.dir/gui/sip_guipart0.cpp.o [98%] Building CXX object python/CMakeFiles/python_module_qgis__core.dir/core/sip_corepart1.cpp.o In file included from build/python/core/sipAPI_core.h:10:0, from build/python/core/sip_corepart1.cpp:7: build/python/core/sip_corepart1.cpp:24614:105: error: expected ';' at end of member declaration sipMeth = sipIsPyMethod(&sipGILState,const_cast<char *>(&sipPyMethods[17]),sipPySelf,SIP_NULLPTR,sipName_draw); ^ build/python/core/sip_corepart1.cpp:24614:118: error: expected unqualified-id before 'throw' sipMeth = sipIsPyMethod(&sipGILState,const_cast<char *>(&sipPyMethods[17]),sipPySelf,SIP_NULLPTR,sipName_draw); ^ build/python/core/sip_corepart1.cpp:24919:6: error: declaration of 'virtual void sipQgsPoint::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different exception specifier ^ build/python/core/sip_corepart1.cpp:24614:10: note: from previous declaration 'virtual void sipQgsPoint::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)' sipMeth = sipIsPyMethod(&sipGILState,const_cast<char *>(&sipPyMethods[17]),sipPySelf,SIP_NULLPTR,sipName_draw); ~~~~~ In file included from build/python/core/sipAPI_core.h:10:0, from build/python/core/sip_corepart1.cpp:7: build/python/core/sip_corepart1.cpp:289058:105: error: expected ';' at end of member declaration ^ build/python/core/sip_corepart1.cpp:289058:118: error: expected unqualified-id before 'throw' ^ build/python/core/sip_corepart1.cpp:289765:6: error: declaration of 'virtual void sipQgsTriangle::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different exception specifier catch (...) ^ ~~~~~ build/python/core/sip_corepart1.cpp:289058:10: note: from previous declaration 'virtual void sipQgsTriangle::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'</pre>		

```

^
In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:
build/python/core/sip_corepart1.cpp:299186:105: error: expected ';' at end of member declaration
{
    ^
build/python/core/sip_corepart1.cpp:299186:118: error: expected unqualified-id before 'throw'
{
    ^
build/python/core/sip_corepart1.cpp:299499:6: error: declaration of 'virtual void sipQgsPolygon::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different
exception specifier
#include "qgspoint.h"
    ^~~~~~
build/python/core/sip_corepart1.cpp:299186:10: note: from previous declaration 'virtual void sipQgsPolygon::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'
{
    ^
In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:
build/python/core/sip_corepart1.cpp:301414:105: error: expected ';' at end of member declaration
    catch (...)
    ^
build/python/core/sip_corepart1.cpp:301414:118: error: expected unqualified-id before 'throw'
    catch (...)
    ^
build/python/core/sip_corepart1.cpp:301769:6: error: declaration of 'virtual void sipQgsMultiPolygon::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different
exception specifier
    SIP_NULLPTR,
    ^~~~~~
build/python/core/sip_corepart1.cpp:301414:10: note: from previous declaration 'virtual void
sipQgsMultiPolygon::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'
    catch (...)
    ^ ~~~~~
In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:
build/python/core/sip_corepart1.cpp:303795:105: error: expected ';' at end of member declaration
{
    ^
build/python/core/sip_corepart1.cpp:303795:118: error: expected unqualified-id before 'throw'
{
    ^
build/python/core/sip_corepart1.cpp:304456:6: error: declaration of 'virtual void sipQgsMultiSurface::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different
exception specifier
    return ::QgsMultiLineString::insertGeometry(a0,a1);
    ^ ~~~~~~
build/python/core/sip_corepart1.cpp:303795:10: note: from previous declaration 'virtual void
sipQgsMultiSurface::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'
{
    ^ ~

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In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:
build/python/core/sip_corepart1.cpp:306116:105: error: expected ';' at end of member declaration
    return SIP_NULLPTR;
                                   ^

build/python/core/sip_corepart1.cpp:306116:118: error: expected unqualified-id before 'throw'
    return SIP_NULLPTR;
                                   ^

build/python/core/sip_corepart1.cpp:306777:6: error: declaration of 'virtual void sipQgsMultiPoint::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different
exception specifier
}
^

build/python/core/sip_corepart1.cpp:306116:10: note: from previous declaration 'virtual void sipQgsMultiPoint::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'
    return SIP_NULLPTR;
    ^~~~~~

In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:
build/python/core/sip_corepart1.cpp:308588:105: error: expected ';' at end of member declaration
                                   ^

build/python/core/sip_corepart1.cpp:308588:118: error: expected unqualified-id before 'throw'
                                   ^

build/python/core/sip_corepart1.cpp:308943:6: error: declaration of 'virtual void sipQgsMultiLineString::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different
exception specifier
#line 313223 " build/python/core/sip_corepart1.cpp"
^~~~~~

build/python/core/sip_corepart1.cpp:308588:10: note: from previous declaration 'virtual void
sipQgsMultiLineString::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'
                                   ^

In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:
build/python/core/sip_corepart1.cpp:310927:105: error: expected ';' at end of member declaration
    }
                                   ^

build/python/core/sip_corepart1.cpp:310927:118: error: expected unqualified-id before 'throw'
    }
                                   ^

build/python/core/sip_corepart1.cpp:311588:6: error: declaration of 'virtual void sipQgsMultiCurve::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different
exception specifier
    Py_BEGIN_ALLOW_THREADS
    ^~~~~~

build/python/core/sip_corepart1.cpp:310927:10: note: from previous declaration 'virtual void sipQgsMultiCurve::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'
    }
    ^

In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:

```

build/python/core/sip_corepart1.cpp:313352:105: error: expected ';' at end of member declaration

}

^

build/python/core/sip_corepart1.cpp:313352:118: error: expected unqualified-id before 'throw'

}

^

build/python/core/sip_corepart1.cpp:314052:6: error: declaration of 'virtual void sipQgsLineString::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different exception specifier

{SIP_MLNAME_CAST(sipName_isEmpty), meth_QgsLineString_isEmpty, METH_VARARGS,
SIP_MLDOC_CAST(doc_QgsLineString_isEmpty)},

^~~~~~

build/python/core/sip_corepart1.cpp:313352:10: note: from previous declaration 'virtual void sipQgsLineString::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'

}

^

In file included from build/python/core/sipAPI_core.h:10:0,

from build/python/core/sip_corepart1.cpp:7:

build/python/core/sip_corepart1.cpp:325529:105: error: expected ';' at end of member declaration

sipMeth = sipIsPyMethod(&sipGILState,const_cast<char

*>(&sipPyMethods[3]),sipPySelf,SIP_NULLPTR,sipName_childGeometry);

^

build/python/core/sip_corepart1.cpp:325529:118: error: expected unqualified-id before 'throw'

sipMeth = sipIsPyMethod(&sipGILState,const_cast<char

*>(&sipPyMethods[3]),sipPySelf,SIP_NULLPTR,sipName_childGeometry);

^~~~~

build/python/core/sip_corepart1.cpp:325884:6: error: declaration of 'virtual void sipQgsGeometryCollection::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different exception specifier

double sipQgsAbstractGeometry::length() const

^~~~~~

build/python/core/sip_corepart1.cpp:325529:10: note: from previous declaration 'virtual void

sipQgsGeometryCollection::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'

sipMeth = sipIsPyMethod(&sipGILState,const_cast<char

*>(&sipPyMethods[3]),sipPySelf,SIP_NULLPTR,sipName_childGeometry);

^~~~~~

In file included from build/python/core/sipAPI_core.h:10:0,

from build/python/core/sip_corepart1.cpp:7:

build/python/core/sip_corepart1.cpp:329950:105: error: expected ';' at end of member declaration

{SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR,
SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR},

^

build/python/core/sip_corepart1.cpp:329950:118: error: expected unqualified-id before 'throw'

{SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR,
SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR},

^~~~~

build/python/core/sip_corepart1.cpp:330595:6: error: declaration of 'virtual void sipQgsAbstractGeometry::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different exception specifier

^

build/python/core/sip_corepart1.cpp:329950:10: note: from previous declaration 'virtual void

sipQgsAbstractGeometry::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'

```
{SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR,
SIP_NULLPTR, SIP_NULLPTR, SIP_NULLPTR},
```

```
^~~~~~
```

In file included from build/python/core/sipAPI_core.h:10:0,

```
from build/python/core/sip_corepart1.cpp:7:
```

build/python/core/sip_corepart1.cpp:334693:105: error: expected ';' at end of member declaration

```
^
```

build/python/core/sip_corepart1.cpp:334693:118: error: expected unqualified-id before 'throw'

```
^
```

build/python/core/sip_corepart1.cpp:335402:6: error: declaration of 'virtual void sipQgsCurvePolygon::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different exception specifier

```
"\n"
```

```
^
```

build/python/core/sip_corepart1.cpp:334693:10: note: from previous declaration 'virtual void

sipQgsCurvePolygon::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'

```
^
```

In file included from build/python/core/sipAPI_core.h:10:0,

```
from build/python/core/sip_corepart1.cpp:7:
```

build/python/core/sip_corepart1.cpp:339079:105: error: expected ';' at end of member declaration

```
    sipRes = (sipSelfWasArg ? sipCpp->::QgsCompoundCurve::moveVertex(*a0,*a1) : sipCpp->moveVertex(*a0,*a1));
```

```
^
```

build/python/core/sip_corepart1.cpp:339079:118: error: expected unqualified-id before 'throw'

```
    sipRes = (sipSelfWasArg ? sipCpp->::QgsCompoundCurve::moveVertex(*a0,*a1) : sipCpp->moveVertex(*a0,*a1));
```

```
^
```

build/python/core/sip_corepart1.cpp:339386:6: error: declaration of 'virtual void sipQgsSurface::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different exception specifier

```
    Py_BEGIN_ALLOW_THREADS
```

```
^
```

```
~~~~~
```

build/python/core/sip_corepart1.cpp:339079:10: note: from previous declaration 'virtual void sipQgsSurface::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'

```
    sipRes = (sipSelfWasArg ? sipCpp->::QgsCompoundCurve::moveVertex(*a0,*a1) : sipCpp->moveVertex(*a0,*a1));
```

```
^~~~~~
```

In file included from build/python/core/sipAPI_core.h:10:0,

```
from build/python/core/sip_corepart1.cpp:7:
```

build/python/core/sip_corepart1.cpp:340774:105: error: expected ';' at end of member declaration

```
^
```

build/python/core/sip_corepart1.cpp:340774:118: error: expected unqualified-id before 'throw'

```
^
```

build/python/core/sip_corepart1.cpp:341449:6: error: declaration of 'virtual void sipQgsCompoundCurve::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different exception specifier

```
    try
```

```
^
```

```
~~~~
```

build/python/core/sip_corepart1.cpp:340774:10: note: from previous declaration 'virtual void

sipQgsCompoundCurve::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'

```

^
In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:
build/python/core/sip_corepart1.cpp:348768:105: error: expected ';' at end of member declaration
void sipQgsCurve::transform(const ::QTransform& a0,double a1,double a2,double a3,double a4)
                                                                    ^

build/python/core/sip_corepart1.cpp:348768:118: error: expected unqualified-id before 'throw'
void sipQgsCurve::transform(const ::QTransform& a0,double a1,double a2,double a3,double a4)
                                                                    ^

build/python/core/sip_corepart1.cpp:349448:6: error: declaration of 'virtual void sipQgsCircularString::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different
exception specifier
    }
    ^

build/python/core/sip_corepart1.cpp:348768:10: note: from previous declaration 'virtual void
sipQgsCircularString::transform(const QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'
void sipQgsCurve::transform(const ::QTransform& a0,double a1,double a2,double a3,double a4)
    ~~~~~~

In file included from build/python/core/sipAPI_core.h:10:0,
    from build/python/core/sip_corepart1.cpp:7:
build/python/core/sip_corepart1.cpp:353014:105: error: expected ';' at end of member declaration
    {(void *)slot_QgsBox3d___eq___, eq_slot},
                                                                    ^

build/python/core/sip_corepart1.cpp:353014:118: error: expected unqualified-id before 'throw'
    {(void *)slot_QgsBox3d___eq___, eq_slot},
                                                                    ^

build/python/core/sip_corepart1.cpp:353576:6: error: declaration of 'virtual void sipQgsCurve::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool) throw (QgsCsException)' has a different
exception specifier
    return SIP_NULLPTR;
    ^

build/python/core/sip_corepart1.cpp:353014:10: note: from previous declaration 'virtual void sipQgsCurve::transform(const
QgsCoordinateTransform&, QgsCoordinateTransform::TransformDirection, bool)'
    {(void *)slot_QgsBox3d___eq___, eq_slot},
    ~~~~~~

make[2]: *** [python/CMakeFiles/python_module_qgis__core.dir/build.make:560:
python/CMakeFiles/python_module_qgis__core.dir/core/sip_corepart1.cpp.o] Error 1
make[1]: *** [CMakeFiles/Makefile2:3537: python/CMakeFiles/python_module_qgis__core.dir/all] Error 2
make[1]: *** Waiting for unfinished jobs....
[ 98%] Building CXX object python/CMakeFiles/python_module_qgis__gui.dir/gui/sip_guipart1.cpp.o
[ 98%] Building CXX object python/CMakeFiles/python_module_qgis__gui.dir/gui/sip_guipart2.cpp.o
[ 98%] Building CXX object python/CMakeFiles/python_module_qgis__gui.dir/gui/sip_guipart3.cpp.o
build/python/gui/sip_guipart3.cpp:176775:10: error: 'void
sipQgsAttributeFormRelationEditorWidget::createSearchWidgetWrappers()' marked 'override', but does not override
    Py_BEGIN_ALLOW_THREADS
    ^ ~~~~~~

build/python/gui/sip_guipart3.cpp:180456:10: error: 'void sipQgsAttributeFormRelationEditorWidget::createSearchWidgetWrappers()'
marked 'override', but does not override
    sipRaiseUnknownException();
    ^ ~~~~~~

make[2]: *** [python/CMakeFiles/python_module_qgis__gui.dir/build.make:918:
python/CMakeFiles/python_module_qgis__gui.dir/gui/sip_guipart3.cpp.o] Error 1
make[2]: *** Waiting for unfinished jobs....

```

```
make[1]: *** [CMakeFiles/Makefile2:3640: python/CMakeFiles/python_module_qgis__gui.dir/all] Error 2
make: *** [Makefile:152: all] Error 2
```

History

#1 - 2019-02-10 07:30 PM - Chris Mayo

Fixed here:

<https://github.com/qgis/QGIS/commit/1a87fce33c0ba9d230940a7787cd5cc0776de3a7>

Also need to upgrade to sip-4.19.14.

#2 - 2019-02-11 10:40 AM - Giovanni Manghi

- *Pull Request or Patch supplied changed from No to Yes*