

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Build/Install	
Affected QGIS version:	2.18.2	Regression?: No
Operating System:	arch linux	Easy fix?: No
Pull Request or Patch supplied:	no	Resolution:
Crashes QGIS or corrupts data:	no	Copied to github as #: 23947

Description

Building qgis 2.18.2, I get the error

python/core/sip_corepart0.cpp:18732:28: error: 'QGeoSatelliteInfo' was not declared in this scope

A quick workaround is to comment out the line

%Include gps/qgsqtlocationconnection.sip

in the file

src/core/qgis.h

(patch attached).

For information, my complete build command:

```
mkdir build
cd build

_pyqt4_sip_dir="/usr/share/sip/PyQt4"

cmake -G "Unix Makefiles" ../ \
-DMAKE_INSTALL_PREFIX=/usr \
-DQGIS_MANUAL_SUBDIR=share/man \
-DENABLE_TESTS=FALSE \
-DMAKE_SKIP_RPATH=TRUE \
-DPYTHON_EXECUTABLE=/usr/bin/python2 \

-DWITH_INTERNAL_{DATEUTIL,FUTURE,HTTPLIB2,JINJA2,NOSE2,OWSLIB,PYGMTS,PYTZ,QWTPOLAR,SIX,WEBKIT_BINDINGS,_BINDINGS,YAML}=OFF \
-DWITH_INTERNAL_{QEXTSERIALPORT}=ON \
-DPYQT4_SIP_DIR="${_pyqt4_sip_dir}" \
-DWITH_SERVER=ON \
-DWITH_GLOBE=ON \
-DWITH_SERVER=ON
```

```

-DWITH_GLOBE=ON \
-DWITH_GRASS=OFF \
-DWITH_GRASS7=ON \
-DGRASS_PREFIX7=/opt/grass \
-DWITH_APIDOC=OFF \
-DWITH_ASTYLE=OFF \
-DWITH_BINDINGS=ON \
-DWITH_CUSTOM_WIDGETS=ON \
-DWITH_DESKTOP=ON \
-DWITH_ORACLE=OFF \
-DWITH_POSTGRESQL=ON \
-DWITH_PYSPATIALITE=ON \
-DWITH_QSPATIALITE=ON \
-DWITH_QTMOBILITY=ON \
-DWITH_QTWEBKIT=ON \
-DWITH_QWTPOLAR=ON \
-DWITH_STAGED_PLUGINS=ON \
-DWITH_TOUCH=ON \
-DWITH_TXT2TAGS_PDF=OFF \

```

msg "Applying a dirty fix for a configuration system error ..."

```
sed -i "s| /usr/share/sip | ${_pyqt4_sip_dir} |"
```

```
python/CMakeFiles/{python_module_qgis__analysis,python_module_qgis__gui,python_module_qgis__server,generate_sip_qgis._analysis_c
._analysis_cpp_files,python_module_qgis__core,generate_sip_qgis._core_cpp_files,generate_sip_qgis._gui_cpp_files,generate_sip_qgis._n
sip_qgis._networkanalysis_cpp_files,python_module_qgis__networkanalysis}.dir/build.make
```

make

History

#1 - 2017-01-03 10:30 AM - Drei Eck

A bit more context of the make output when the error occurs:

```

[...]
Scanning dependencies of target python_module_qgis__core
[ 97%] Building CXX object python/CMakeFiles/python_module_qgis__core.dir/core/sip_corepart0.cpp.o
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp: In function 'void assign_QList_0100QGeoSatelliteInfo(void*, Py_ssize_t, const
void*)':
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:28: error: 'QGeoSatelliteInfo' was not declared in this scope

    ^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:45: error: template argument 1 is invalid

    ^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:47: error: expected '>' before '**' token

    ^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:47: error: expected '(' before '**' token
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:48: error: expected primary-expression before '>' token

```

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:67: error: 'void*' is not a pointer-to-object type

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:101: error: the value of 'QGeoSatelliteInfo' is not usable in a constant expression

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:28: note: 'QGeoSatelliteInfo' was not declared 'constexpr'

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:118: error: type/value mismatch at argument 1 in template parameter list for 'template<class T> class QList'

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:118: note: expected a type, got 'QGeoSatelliteInfo'

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:120: error: expected '>' before '**' token

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:120: error: expected '(' before '**' token

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:121: error: expected primary-expression before '>' token

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:130: error: expected ')' before ';' token

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18732:130: error: expected ')' before ';' token

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp: In function 'void* array_QList_0100QGeoSatelliteInfo(Py_ssize_t)':

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18739:22: error: 'QGeoSatelliteInfo' was not declared in this scope

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18739:39: error: template argument 1 is invalid

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18739:40: error: expected ';' before '[' token

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp: In lambda function:

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18739:51: error: expected '{' before ';' token

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp: In function 'void* copy_QList_0100QGeoSatelliteInfo(const void*, Py_ssize_t)':

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:22: error: 'QGeoSatelliteInfo' was not declared in this scope

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:39: error: template argument 1 is invalid

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:70: error: the value of 'QGeoSatelliteInfo' is not usable in a constant expression

^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:22: note: 'QGeoSatelliteInfo' was not declared 'constexpr'

```

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:87: error: type/value mismatch at argument 1 in template parameter list for
'template<class T> class QList'

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:87: note: expected a type, got 'QGeoSatelliteInfo'
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:89: error: expected '>' before '**' token

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:89: error: expected '(' before '**' token
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:90: error: expected primary-expression before '>' token

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18746:109: error: 'const void*' is not a pointer-to-object type

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp: In function 'void release_QList_0100QGeoSatelliteInfo(void*, int)':
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18755:35: error: 'QGeoSatelliteInfo' was not declared in this scope
}

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18755:52: error: template argument 1 is invalid
}

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18755:54: error: expected '>' before '**' token
}

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18755:54: error: expected '(' before '**' token
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18755:55: error: expected primary-expression before '>' token
}

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18755:61: error: expected ')' before ';' token
}

^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp: In function 'int convertTo_QList_0100QGeoSatelliteInfo(PyObject*, void**, int*,
PyObject*)':
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:11: error: 'QGeoSatelliteInfo' was not declared in this scope
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^~~~~~
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:28: error: template argument 1 is invalid
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:67: error: the value of 'QGeoSatelliteInfo' is not usable in a constant
expression
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:11: note: 'QGeoSatelliteInfo' was not declared 'constexpr'
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^~~~~~
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:84: error: type/value mismatch at argument 1 in template parameter list for
'template<class T> class QList'
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^

```

```

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:84: note: expected a type, got 'QGeoSatelliteInfo'
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:86: error: expected '>' before '**' token
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:86: error: expected '(' before '**' token
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:88: error: expected primary-expression before '>' token
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:101: error: expected ')' before ';' token
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^

/usr/share/sip/PyQt4/QtCore/qlist.sip:70:56: error: 'sipType_QGeoSatelliteInfo' was not declared in this scope
    bool ok = (itm && sipCanConvertToType(itm, sipType_TYPE, SIP_NOT_NONE));
               ^~~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:81:11: error: the value of 'QGeoSatelliteInfo' is not usable in a constant expression
    QList<TYPE> *ql = new QList<TYPE>;
    ^~~~~~

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:11: note: 'QGeoSatelliteInfo' was not declared 'constexpr'
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^~~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:81:28: error: type/value mismatch at argument 1 in template parameter list for 'template<class T> class QList'
    QList<TYPE> *ql = new QList<TYPE>;
    ^
^

/usr/share/sip/PyQt4/QtCore/qlist.sip:81:28: note: expected a type, got 'QGeoSatelliteInfo'
/usr/share/sip/PyQt4/QtCore/qlist.sip:81:46: error: the value of 'QGeoSatelliteInfo' is not usable in a constant expression
    QList<TYPE> *ql = new QList<TYPE>;
    ^
^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18764:11: note: 'QGeoSatelliteInfo' was not declared 'constexpr'
#line 59 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
^~~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:81:63: error: type/value mismatch at argument 1 in template parameter list for 'template<class T> class QList'
    QList<TYPE> *ql = new QList<TYPE>;
    ^
^

/usr/share/sip/PyQt4/QtCore/qlist.sip:81:63: note: expected a type, got 'QGeoSatelliteInfo'
/usr/share/sip/PyQt4/QtCore/qlist.sip:88:28: error: 't' was not declared in this scope
    TYPE *t = reinterpret_cast<TYPE*>(sipConvertToType(itm, sipType_TYPE, sipTransferObj, SIP_NOT_NONE, &state, sipIsErr));
    ^
^

/usr/share/sip/PyQt4/QtCore/qlist.sip:88:49: error: 'QGeoSatelliteInfo' does not name a type
    TYPE *t = reinterpret_cast<TYPE*>(sipConvertToType(itm, sipType_TYPE, sipTransferObj, SIP_NOT_NONE, &state, sipIsErr));
    ^~~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:88:67: error: expected '>' before '**' token
    TYPE *t = reinterpret_cast<TYPE*>(sipConvertToType(itm, sipType_TYPE, sipTransferObj, SIP_NOT_NONE, &state, sipIsErr));
    ^
^

/usr/share/sip/PyQt4/QtCore/qlist.sip:88:67: error: expected '(' before '**' token
/usr/share/sip/PyQt4/QtCore/qlist.sip:88:68: error: expected primary-expression before '>' token
    TYPE *t = reinterpret_cast<TYPE*>(sipConvertToType(itm, sipType_TYPE, sipTransferObj, SIP_NOT_NONE, &state, sipIsErr));
    ^
^

/usr/share/sip/PyQt4/QtCore/qlist.sip:88:92: error: 'sipType_QGeoSatelliteInfo' was not declared in this scope
    TYPE *t = reinterpret_cast<TYPE*>(sipConvertToType(itm, sipType_TYPE, sipTransferObj, SIP_NOT_NONE, &state, sipIsErr));
    ^~~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:88:167: error: expected ')' before ';' token

```

```

TYPE *t = reinterpret_cast<TYPE *>(sipConvertToType(itm, sipType_TYPE, sipTransferObj, SIP_NOT_NONE, &state, sipIsErr));
                                     ^

/usr/share/sip/PyQt4/QtCore/qlist.sip:100:13: error: request for member 'append' in '** ql', which is of non-class type 'int'
    ql->append(*t);
    ^~~~~~

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp: In function 'PyObject* convertFrom_QList_0100QGeoSatelliteInfo(void*, PyObject*)':
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:10: error: 'QGeoSatelliteInfo' was not declared in this scope
#line 32 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
    ^~~~~~

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:27: error: template argument 1 is invalid
#line 32 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
    ^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:62: error: the value of 'QGeoSatelliteInfo' is not usable in a constant expression
#line 32 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
    ^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:10: note: 'QGeoSatelliteInfo' was not declared 'constexpr'
#line 32 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
    ^~~~~~

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:79: error: type/value mismatch at argument 1 in template parameter list for 'template<class T> class QList'
#line 32 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
    ^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:79: note: expected a type, got 'QGeoSatelliteInfo'
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:81: error: expected '>' before '**' token
#line 32 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
    ^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:81: error: expected '(' before '**' token
/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:82: error: expected primary-expression before '>' token
#line 32 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
    ^

/tmp/qgis/src/qgis-2.18.2/build/python/core/sip_corepart0.cpp:18823:92: error: expected ')' before ';' token
#line 32 "/usr/share/sip/PyQt4/QtCore/qlist.sip"
    ^

/usr/share/sip/PyQt4/QtCore/qlist.sip:35:33: error: request for member 'size' in '** sipCpp', which is of non-class type 'int'
    if ((l = PyList_New(sipCpp->size())) == NULL)
    ^~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:39:33: error: request for member 'size' in '** sipCpp', which is of non-class type 'int'
    for (int i = 0; i < sipCpp->size(); ++i)
    ^~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:41:28: error: 't' was not declared in this scope
    TYPE *t = new TYPE(sipCpp->at(i));
    ^

/usr/share/sip/PyQt4/QtCore/qlist.sip:41:36: error: expected type-specifier before 'QGeoSatelliteInfo'
    TYPE *t = new TYPE(sipCpp->at(i));
    ^~~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:44:46: error: 'sipType_QGeoSatelliteInfo' was not declared in this scope
    if ((tobj = sipConvertFromNewType(t, sipType_TYPE, sipTransferObj)) == NULL)
    ^~~~~~

/usr/share/sip/PyQt4/QtCore/qlist.sip:47:20: error: type '<type error>' argument given to 'delete', expected pointer
    delete t;
    ^

```

```
make[2]: *** [python/CMakeFiles/python_module_qgis__core.dir/build.make:394:
python/CMakeFiles/python_module_qgis__core.dir/core/sip_corepart0.cpp.o] Error 1
make[1]: *** [CMakeFiles/Makefile2:4295: python/CMakeFiles/python_module_qgis__core.dir/all] Error 2
make: *** [Makefile:150: all] Error 2
```

... and the output of the cmake-run, before make, is:

```
-- QGIS version: 2.18.2 Las Palmas (21802)
-- Found GRASS 7: /opt/grass (7.0.5, off_t size = )
-- Found Proj: /usr/lib64/libproj.so
-- Found GEOS: /usr/lib/libgeos_c.so (3.5.0)
-- Found GDAL: /usr/lib/libgdal.so (2.1.1)
-- Found Expat: /lib64/libexpat.so
-- Found Spatialindex: /usr/lib64/libspatialindex.so
-- Found Qwt: /usr/lib64/libqwt.so (6.1.3)
-- Found Sqlite3: /usr/lib64/libsqlite3.so
-- Found PostgreSQL: /usr/lib/libpq.so
-- Found Spatialite: /usr/lib64/libspatialite.so
-- Qt WebKit support enabled
-- Found Qt version: 4.8.7
-- Using QtMobility version: system's default
-- QtMobility version: 1.2.0
-- Touch support enabled
-- Found QScintilla2: /usr/lib64/libqscintilla2.so (2.9.3)
-- Found QCA: /usr/lib64/libqca.so (2.1.1)
-- Found QCA OpenSSL plugin
-- Pedantic compiler settings enabled
-- Found Python executable: /usr/bin/python2
-- Found Python version: 2.7.13
-- Found Python library: /usr/lib64/libpython2.7.so
-- Found PyQt4 version: 4.10.4-snapshot-e52357d82574
-- Found SIP version: 4.18.1
-- Found QScintilla2 PyQt module: 2.9.3
-- Found QwtPolar: /usr/lib64/libqwt polar.so
-- Found GSL: -L/usr/lib -lgsl -lgslcblas -lm
-- Found FCGI: /usr/lib64/libfcgi.so
-- Qsci sip file not found - disabling bindings for derived classes
-- Configuring done
-- Generating done
-- Build files have been written to: /tmp/qgis/src/qgis-2.18.2/build
```

#2 - 2017-05-01 01:01 AM - Giovanni Manghi

- Easy fix? set to No
- Regression? set to No

#3 - 2019-02-23 11:28 AM - matteo ghetta

- Status changed from Open to Closed
- Description updated

Files

gqeosatelliteinfo.patch	507 Bytes	2017-01-03	Drei Eck
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