QGIS Application - Feature request #2985
qgis broken with new py-sip

2010-09-06 01:03 PM - jasperla -

Status:	Closed		
Priority:	Low		
Assignee:	nobody -		
Category:	Build/Install		
Pull Request or Patch supplied:		**Resolution:**	fixed
Easy fix?:	No	**Copied to github as #:**	13045

Description

After updating py-sip to the latest 4.11 release, qgis 1.5.0 doesn't build anymore. It bails out with the following error:

cd /usr/obj/ports/qgis-1.5.0/qgis-1.5.0/python && /usr/local/bin/sip -x [[VendorID]] -t WS_X11 -x [[PyQt]]_NoPrintRangeBug -t Qt_4_6_3 -x Py_v3 -g -j 4 -c /usr/obj/ports/qgis-1.5.0/qgis-1.5.0/python/core -I /usr/local/share/sip -I /usr/obj/ports/qgis-1.5.0/qgis-1.5.0/python /usr/obj/ports/qgis-1.5.0/qgis-1.5.0/python/core/core.sip

sip: /usr/obj/ports/qgis-1.5.0/qgis-1.5.0/python/core/conversions.sip:269: Mapped type has already been defined in another module

*** Error code 1

I can attach the full build log if needed.

History

#1 - 2010-09-07 03:39 AM - sthen -

The following diff fixes things with sip>=4.11; I showed it to Phil
Banks who thinks it's ok as a workaround and suggests it is made
conditional depending on the version of SIP that is found.

```
--- python/core/conversions.sip.orig    Tue Sep  7 00:14:55 2010
+++ python/core/conversions.sip    Tue Sep  7 00:17:23 2010
@@ -265,59 +265,6 @@ template <TYPE>

-%MappedType QSet<int>
-{
-%TypeHeaderCode
-#include <QSet>
-#if (SIP_VERSION >= 0x040900)
-#define sipClass_QString ((sipWrapperType *) sipTypeAsPyTypeObject (sipType_QString))
-#define sipClass_QVariant ((sipWrapperType *) sipTypeAsPyTypeObject (sipType_QVariant))
-#endif
-%End
-
-%ConvertFromTypeCode
- // Create the list.
- [[PyObject]] *l;
-
- if ((l = [[PyList]]_New(sipCpp->size())) == NULL)
-   return NULL;
-
```

```
-    // Set the list elements.
-    QSet<int>::iterator it = sipCpp->begin();
-    for (int i = 0; it != sipCpp->end(); ++it, ++i)
-    {
-      [[PyObject]] *tobj;
-
-      if ((tobj = [[PyInt]]_FromLong(*it)) == NULL)
-      {
-        Py_DECREF(l);
-        return NULL;
-      }
-      [[PyList]]_SET_ITEM(l, i, tobj);
-    }
-
-    return l;
-%End
-
-%ConvertToTypeCode
-    // Check the type if that is all that is required.
-    if (sipIsErr == NULL)
-      return [[PyList]]_Check(sipPy);
-
-    QSet<int> *qset = new QSet<int>;
-
-    for (int i = 0; i < [[PyList]]_GET_SIZE(sipPy); ++i)
-    {
-      qset->insert(PyInt_AsLong(PyList_GET_ITEM(sipPy, i)));
-    }
-
-    *sipCppPtr = qset;
-    return sipGetState(sipTransferObj);
-%End
-
-};
-
-
template <TYPE>
%MappedType QSet<TYPE>
{
```

#2 - 2010-09-11 04:04 PM - Volker Fröhlich

Doesn't work for me with QGIS 1.5, SIP 4.11 and Qt 4.7:

[95%] Generating ui_qgsplugininstallerbase.py

cd /builddir/build/BUILD/qgis-1.5.0/python/plugins/plugin_installer && /usr/bin/pyuic4 /builddir/build/BUILD/qgi

s-1.5.0/python/plugins/plugin_installer/qgsplugininstallerbase.ui -o /builddir/build/BUILD/qgis-1.5.0/python/plu

gins/plugin_installer/ui_qgsplugininstallerbase.py

An unexpected error occurred.

Check that you are using the latest version of [[PyQt]] and send an error report to

support@riverbankcomputing.com, including the following information:

   - your version of [[PyQt]] (4.7.6)

- the UI file that caused this error
- the debug output of pyuic4 (use the -d flag when calling pyuic4)

  maker2: Leaving directory /builddir/build/BUILD/qgis-1.5.0'

  maker1: Leaving directory /builddir/build/BUILD/qgis-1.5.0'

  maker2: * **[python/plugins/plugin_installer/ui_qgsplugininstallerbase.py] Error 1**

  maker1: [python/plugins/plugin_installer/CMakeFiles/pluginstaller.dir/all] Error 2

  make: ** [all] Error 2

#3 - 2010-09-12 02:19 AM - sthen -

Ah sorry I forgot to mention that one; it is a regression with pyuic 4.7.6 on python 2.x - please use a development snapshot of py-qt4 instead or remove "encoding='utf8'" from pyuic/uic/driver.py around line 60.

#4 - 2010-09-21 09:15 AM - John Tull

Using [[PyQt]]-4.7.7, released today, along with sip-4.11, I still get the originally posted error. The above patch worked for me. Should this be applied to trunk?

#5 - 2010-10-03 06:57 AM - Jürgen Fischer

- *Resolution set to fixed*

- *Status changed from Open to Closed*

#6 - 2010-11-17 08:25 AM - Attila Oláh -

- *Status changed from Closed to Feedback*

- *Resolution deleted (fixed)*

I'm reopening this because changeset 14325 introduced a Developer Warning that has still not been fixed. Please change "trunk/qgis/python/CMakeLists.txt" line 44 to match the opening IF statement arguments (on line 42).

#7 - 2010-11-17 08:32 AM - Jürgen Fischer

- *Resolution set to fixed*

- *Status changed from Feedback to Closed*

was already fixed in commit:8ffd8165 (SVN r14331) (see https://trac.osgeo.org/qgis/browser/trunk/qgis/python/CMakeLists.txt#L42).

#8 - 2010-11-17 08:46 AM - Attila Oláh -

Ouch. Now how the hell did I miss that.

In that case, sorry for making noise here; and thanks very much for your work, jef. I've merged the diffs from commit:3cf96c28 (SVN r14324), commit:926fc951 (SVN r14325), commit:82edec5a (SVN r14326) and commit:8ffd8165 (SVN r14331) into a patch to backport this fix to version 1.5.0 in

Gentoo, it works pretty well.