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 -l /usr/local/share/sip -l /usr/obj/ports/qgis-1.5.0/qgis-1.5.0/python /usr/obj/ports/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]] *I;
- if ((I = [[PyList]]_New(sipCpp->size())) == NULL)
 return NULL;
```

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```
- // 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(I);
    return NULL;
  [[PyList]]_SET_ITEM(I, i, tobj);
- }
- return I;
-%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/qgis-1.5.0/python/plugins/plugin_installer/qgsplugininstallerbase.ui -o /builddir/build/BUILD/qgis-1.5.0/python/plugins/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)

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- 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 <u>changeset 14325</u> 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

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Gentoo, it works pretty well.

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