

## QGIS Application - Bug report #3378

### Appears PyQt 4.8.2 now wraps QSet which causes a SIP error during compilation

2010-12-31 01:37 PM - sharpie -

<b>Status:</b>	Closed	
<b>Priority:</b>	Low	
<b>Assignee:</b>	nobody -	
<b>Category:</b>	Build/Install	
<b>Affected QGIS version:</b>		<b>Regression?:</b> No
<b>Operating System:</b>	All	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 13438

#### Description

I'm not that familiar with the inner workings of SIP or `[[PyQt]]`, so apologies up front for any inaccuracies in the following report.

After upgrading to Qt 4.7.1/PyQt 4.8.2/SIP 4.12, I get the following error during compilation:

```
sip: /tmp/homebrew-qgis-1.6.0-ecgD/qgis-1.6.0/python/core/conversions.sip:326: %MappedType template for this type has already been defined
```

Examining the offending file, `python/core/conversions.sip`, reveals that SIP has a complaint with the definition of `QSet<TYPE>` on line 326. The header also explains that:

```
/*
This file contains code for conversion between various (often nested) mapped types
which are not wrapped by [[PyQt]]:
- QVector< QVector<TYPE> >
- QVector< QVector< QVector<TYPE> > >
- QList< QList<TYPE> >
- QSet<int>
- QSet<TYPE>
- QMap<int, QMap<int, TYPE> >
- QMap<QString, QVariant::Type>
- QMap<TYPE1, TYPE2*>
- QMap<double, TYPE>
- QMap<double, TYPE2>
- QMap<int, [[QgsOverlayObject]]*>
*/
```

A quick grep of the `[[PyQt]]` 4.8.2 installation revealed that `QSet<type>` is defined in:

`PYQT_ROOT/share/sip/QtCore/qset.sip`

The [4.8.2 Changelog](#) hints that this may have been added in the current release.

Unfortunately, Riverbank has an ugly habit of not maintaining an archive of past releases or providing repository access for `[[PyQt]]`, so I cannot verify that `QSet` was indeed added in 4.8.2.

Removing the `QSet` definition from `conversions.sip` allows QGIS to compile and it appears to work. However, this is definitely not the right thing to do and I don't have the `[[PyQt]]` experience to suggest what the right thing may be.

Make log attached.

## Associated revisions

---

### Revision 0bd65ee5 - 2011-01-01 12:55 AM - Jürgen Fischer

fix #3378

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@14988> c8812cc2-4d05-0410-92ff-de0c093fc19c

### Revision 741d99c9 - 2011-01-01 12:55 AM - Jürgen Fischer

fix #3378

git-svn-id: <http://svn.osgeo.org/qgis/trunk@14988> c8812cc2-4d05-0410-92ff-de0c093fc19c

## History

---

### #1 - 2010-12-31 03:56 PM - Jürgen Fischer

- *Resolution set to fixed*
- *Status changed from Open to Closed*

should be fixed in commit:741d99c9 (SVN r14989). Happy new year.

## Files

---

make.log	1.38 KB	2010-12-31	sharpie -
----------	---------	------------	-----------