QGIS Application - Bug report #3366
QgsVectorLayer.committedFeaturesRemoved causes crash in Python

2010-12-22 01:18 PM - Chris Crook

Status:	Closed		
Priority:	Low		
Assignee:	Borys Jurgiel		
Category:	Python plugins		
Affected QGIS version:		**Regression?:**	No
Operating System:	Windows	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	fixed
Crashes QGIS or corrupts data:		**Copied to github as #:**	13426

Description

To replicate the problem ..

1) Open a new QGis project

2) Open a python console window

3) Enter the following code

```
from [[PyQt]]4.QtCore import *
def handler():
    print "Deleting features"

# Create a scratch layer and connect to committedFeaturesRemoved signal
type="Point"
name = "Test"
layer = [[QgsVectorLayer]](type, name, "memory")
[[QgsMapLayerRegistry]].instance().addMapLayer(layer)
qgis.utils.iface.mapCanvas().setCurrentLayer(layer)
QObject.connect(layer, SIGNAL("committedFeaturesRemoved(const QString &, const [[QgsFeatureIds]] & )"),handler)
```

This will create a layer called test
4) Set the layer to be editable

5) Add a point to the layer

6) Commit the change (save the layer)

7) Select the point

8) Delete the point

9) Commit the change - this causes the crash.

This happens consistently for me in QGis versions 1.6 and 1.7 r14962

Operating system is windows XP SP3

I've had a look at it as far as I can in the Visual Studio debugger. The crash appears to happen in the generated moc_.. file where the

python signal is implemented, and the message is:

Unhandled exception at 0x0372ba7c in qgis.exe: 0xC000001E: An attempt was made to execute an   invalid lock sequence.

History

#1 - 2010-12-22 01:23 PM - Chris Crook

The line

def handler():

should probably read

def handler(arg1,arg2):

But it doesn't make any difference

#2 - 2010-12-27 01:28 PM - Martin Dobias

When running the code in python console I get this (for the connect() call):

Traceback (most recent call last):
  File "<input>", line 1, in <module>
[[TypeError]]: type 'QgsFeatureIds' is not supported as a slot argument type

(this is sip v4.10.5 and pyqt v4.7.4)

It doesn't crash for me. I see several possible causes of your crash:

* the committed*(...) signals were not known by sip (they were added in qgis 1.6 but not also to pyqgis)

I have fixed both in commit:1d66171f (SVN r14979) - please give it another try with new trunk and close this bug if it works now.

Martin

#3 - 2010-12-28 10:19 AM - Chris Crook
- *Resolution set to fixed*
- *Status changed from Open to Closed*

Brilliant.. thanks! This has fixed it (and I've set the status accordingly)

⬚

Looks like Windows doesn't handle this as well .. just dies when it can't handle the argument type.

⬚

Many thanks

Chris