

QGIS Application - Bug report #15088

Segmentation fault when using layersRemoved SIGNAL

2016-06-20 08:53 AM - gcarrillo -

Status: Closed	
Priority: Severe/Regression	
Assignee:	
Category: Vectors	
Affected QGIS version: 2.14.2	Regression?: No
Operating System: GNU/Linux	Easy fix?: No
Pull Request or Patch supplied:	Resolution:
Crashes QGIS or corrupts data:	Copied to github as #: 23030

Description

There seems to be an issue connecting the SIGNAL layersRemoved from QgsMapLayerRegistry.

For example, if I save this script to a file, and run it from the Linux terminal:

```
#####  
import unittest  
from qgis.core import QgsApplication, QgsMapLayerRegistry  
  
class SIGNALTest( unittest.TestCase ):  
    def setUp( self ):  
        app = QgsApplication([], True)  
        QgsApplication.setPrefixPath("/usr", True)  
        QgsApplication.initQgis()  
        QgsMapLayerRegistry.instance().layersRemoved.connect( self.myFunction )  
    def myFunction( self, layerIds ):  
        print "Called!"  
    def test1( self ):  
        self.assertEqual(1,1)  
    def tearDown( self ):  
        QgsApplication.exitQgis()  
  
if name == "__main__":  
    unittest.main()#####
```

I get the following result:

```
#####  
Called!  
.  
-----
```

Ran 1 test in 0.119s

OK
Segmentation fault#####

If, on the contrary, I comment out the line where the connection is set or if I use other signals such as layerRemoved or layersAdded instead of layersRemoved, I get:

```
#####
```

Ran 1 test in 0.111s

OK#####

I'm using QGIS 2.14.2 on a GNU/Linux machine.

Associated revisions

Revision 4b0df5bc - 2016-06-26 12:15 PM - Matthias Kuhn

QgsMapLayerRegistry::removeMapLayers don't emit signals when empty

Fix #15088

Revision f3216bb0 - 2016-06-26 05:33 PM - Matthias Kuhn

QgsMapLayerRegistry::removeMapLayers don't emit signals when empty

Fix #15088

History

#1 - 2016-06-23 05:27 AM - René-Luc ReLuc

- Target version changed from Future Release - Lower Priority to Version 2.14
- Priority changed from Normal to Severe/Regression
- Category changed from Python plugins to Vectors

We encountered the same behavior on QGIS Server.

The crash is due to `QgsEditorWidgetRegistry::mapLayerWillBeRemoved` when the cast is done `QgsVectorLayer* vl = qobject_cast<QgsVectorLayer*>(mapLayer);` QGIS crashed.

#2 - 2016-06-26 03:17 AM - Anonymous

- Status changed from Open to Closed

Fixed in changeset commit:"4b0df5bc5b71523ad35db050c57ca3c04c2b6d1e".