

QGIS Application - Bug report #7674

crash after adding map layer to registry

2013-04-22 05:16 AM - Josef Källgård

Status: Closed	
Priority: Severe/Regression	
Assignee:	
Category: Map Canvas	
Affected QGIS version: master	Regression?: No
Operating System: win7, ubuntu 12.04, debian	Easy fix?: No
Pull Request or Patch supplied: No	Resolution:
Crashes QGIS or corrupts data: No	Copied to github as #: 16591
Description	

Associated revisions

Revision b98db884 - 2013-04-23 10:42 AM - Matthias Kuhn

[Fix #7674] Transfer ownership of layer to C++ when added to the registry

History

#1 - 2013-04-22 05:22 AM - Josef Källgård

from the python console:

```
uri = QgsDataSourceURI()
uri.setDatabase('/home/josef/Documents/sqlite_db.sqlite')
uri.setDataSource('', 'table1', 'Geometry')
layer = QgsVectorLayer(uri.uri(), 'table1', 'spatialite')
QgsMapLayerRegistry.instance().addMapLayers([layer])
```

If the code above is pasted into python console with an additional end-of-line so that all lines are executed immediately, then this causes segmentation fault on both win 7 and ubuntu 12.04. Sometimes directly and sometimes after changing visibility for the layer.

If last line is executed after a short pause, then no crash.

#2 - 2013-04-22 05:57 AM - Borys Jurgiel

- Operating System changed from win7, ubuntu 12.04 to win7, ubuntu 12.04, debian

I just observed very similar problem: After a plugin adds a map layer to the QgsMapLayerRegistry, a first action done on that layer (remove, visibility change, attribute table open) causes a crash.

#3 - 2013-04-22 06:45 AM - Matthias Kuhn

- Status changed from Open to Feedback

Not reproducible here with a shapefile. Is this specific to sqlite?

#4 - 2013-04-22 07:16 AM - Josef Källgården

Yes, this is specific to a spatial spatialite table.

A shape file is ok. So is also a non-spatial spatialite added by ogr.

Matthias Kuhn wrote:

| *Not reproducible here with a shapefile. Is this specific to sqlite?*

#5 - 2013-04-22 07:25 AM - Matthias Kuhn

- Status changed from *Feedback* to *Open*

- Subject changed from *crash after QgsMapLayerRegistry.instance().addMapLayers([sp to [spatialite]* crash after adding map layer to registry

#6 - 2013-04-22 07:26 AM - Matthias Kuhn

- Category set to *Data Provider/Spatialite*

#7 - 2013-04-22 07:33 AM - Josef Källgården

Same problems with memory layers:

```
ml = QgsVectorLayer("Point?crs=epsg:4326&field=id:integer&field=name:string(20)&index=yes", "temporary_points", "memory")
QgsMapLayerRegistry.instance().addMapLayers([ml])
```

This causes a crash after turning visibility on/off, opening attribute table etc. Sometimes the crash occurs after a second addition of a memory layer.

#8 - 2013-04-22 11:30 AM - Borys Jurgiel

I can confirm the problem also with Shapefiles when using plugins like TableManager or Shapefile Encoding Fixer. They both use `QgsMapLayerRegistry.instance().addMapLayers([layer])` after applying changes.

So if you can confirm this, please extend the title and category from Spatialite back to general QgsVectorLayer.

#9 - 2013-04-22 11:40 AM - Borys Jurgiel

See also #7677

#10 - 2013-04-22 12:32 PM - Josef Källgården

I made a few more tests and yes, I can confirm crashes for shape files when using the plugins. Also, new memory layer plugin results in crash (same usage of `addMapLayers`).

Can someone with the necessary permissions change title and category according to Borys suggestion?

#11 - 2013-04-22 01:38 PM - Borys Jurgiel

- Subject changed from *[spatialite]* crash after adding map layer to registry to *crash after adding map layer to registry*

- *Category changed from Data Provider/Spatialite to Map Canvas*

I'm not really sure which category fits the QgsMapLayerRegistry to.

#12 - 2013-04-23 01:43 AM - Matthias Kuhn

- *Status changed from Open to Closed*

Fixed in changeset commit:"b98db8842b507632fef044044581a762e46527bb".