

QGIS Application - Bug report #7674

crash after adding map layer to registry

2013-04-22 05:16 AM - Josef Källgården

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:		Resolution:
Crashes QGIS or corrupts data:		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 Källgården

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 Källgård

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 Källgård

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 Källgård

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".