

QGIS Application - Bug report #1462

PostGIS layer loaded via Python is not saved correct in qgs project file

2008-12-15 02:39 AM - Horst Düster

Status: Closed	
Priority: Low	
Assignee: Jürgen Fischer	
Category: Project Loading/Saving	
Affected QGIS version:	Regression?: No
Operating System: All	Easy fix?: No
Pull Request or Patch supplied:	Resolution: fixed
Crashes QGIS or corrupts data:	Copied to github as #: 11522

Description

I load a [[PostGIS]] layer via Python with:

```
...
uri = [[QgsDataSourceURI]]()
uri.setConnection(self.DBHOST, self.DBPORT, self.DBNAME, self.DBUSER, self.DBPASSWD)
uri.setDataSource(str(schema), str(table), "wkb_geometry", "archive=0")
vlayer = [[QgsVectorLayer]](uri.uri(), layerName, "postgres")
[[QgsMapLayerRegistry]].instance().addMapLayer(vlayer)
...
```

The layer is added to mapcanvas and it is displayed correct. Save the project to testpython.qgs and reload this project-file QGIS reports: Unable to load layer.

Load the same layer with the postgis connector. Save the project to testconnector.qgs and reload this project-file everthing works fine.

I compare the two project files and I see a relevant difference, the following tags are missing in testpython.qgs:

```
<edittypes>
  <edittype type="0" name="archive" />
  <edittype type="0" name="archive_date" />
  <edittype type="0" name="gem_bfs" />
  <edittype type="0" name="new_date" />
  <edittype type="0" name="nummer" />
  <edittype type="0" name="ogc_fid" />
</edittypes>
<displayfield>ogc_fid</displayfield>
<label>0</label>
<attributeactions/>
<singlesymbol>
  <symbol>
    <lowervalue></lowervalue>
    <uppervalue></uppervalue>
    <label></label>
    <pointsymbol>hard:circle</pointsymbol>
    <pointsize>2</pointsize>
    <rotationclassificationfieldname></rotationclassificationfieldname>
    <scaleclassificationfieldname></scaleclassificationfieldname>
```

```
<outlinecolor red="0" blue="0" green="0" />
<outlinestyle>SolidLine</outlinestyle>
<linewidth>0.26</linewidth>
<fillcolor red="153" blue="60" green="213" />
<fillpattern>SolidPattern</fillpattern>
<texturepath></texturepath>
</symbol>
</singlesymbol>
<labelattributes>
  <label fieldname="" text="Label" />
  <family fieldname="" name="Sans Serif" />
  <size fieldname="" units="pt" value="12" />
  <bold fieldname="" on="0" />
  <italic fieldname="" on="0" />
  <underline fieldname="" on="0" />
  <color fieldname="" red="0" blue="0" green="0" />
  <x fieldname="" />
  <y fieldname="" />
  <offset x="0" y="0" units="pt" yfieldname="" xfieldname="" />
  <angle fieldname="" value="0" auto="0" />
  <alignment fieldname="" value="center" />
  <buffercolor fieldname="" red="255" blue="255" green="255" />
  <bufferize fieldname="" units="pt" value="1" />
  <bufferenabled fieldname="" on="" />
  <multilineenabled fieldname="" on="" />
</labelattributes>
```

Associated revisions

Revision 8c5fb28e - 2008-12-15 02:15 PM - Jürgen Fischer

fix #1462

git-svn-id: <http://svn.osgeo.org/qgis/trunk/qgis@9805> c8812cc2-4d05-0410-92ff-de0c093fc19c

Revision bac663a4 - 2008-12-15 02:15 PM - Jürgen Fischer

fix #1462

git-svn-id: <http://svn.osgeo.org/qgis/trunk@9805> c8812cc2-4d05-0410-92ff-de0c093fc19c

History

#1 - 2008-12-15 03:32 AM - Jürgen Fischer

I tried to run your code in the python console. When try to save I get

```
[[NotImplementedError]]: [[QgsVectorLayer]].writeSymbolology() is abstract and must be overridden
```

I still need to investigate why there's python code fired at all at that point, but if I replace

```
vlayer = [[QgsVectorLayer]](uri.uri(), layerName, "postgres")
[[QgsMapLayerRegistry]].instance().addMapLayer(vlayer)
```

with

```
iface.addVectorLayer(uri.uri(), layerName, "postgres")
```

everything is fine again.

#2 - 2008-12-15 04:11 AM - Horst Düster

Replying to [comment:1 jef]:

| *I tried to run your code in the python console. When try to save I get*

```
> [[NotImplementedError]]: [[QgsVectorLayer]].writeSymbology() is abstract and must be overridden
```

| *I still need to investigate why there's python code fired at all at that point, but if I replace*

```
> vlayer = [[QgsVectorLayer]](uri.uri(), layerName, "postgres")
> [[QgsMapLayerRegistry]].instance().addMapLayer(vlayer)
```

| *with*

```
> iface.addVectorLayer(uri.uri(), layerName, "postgres")
```

| *everything is fine again.*

```
<pre>
self.iface.addVectorLayer(uri.uri(), layerName, "postgres")
vLayer = self.iface.mapCanvas().currentLayer()
vLayer.loadNamedStyle(Path to qml-file)
</pre>
```

in this case the symbolisation in mapcanvas is updated, but the legend symbolisation is not changed.

#3 - 2008-12-15 04:58 AM - Horst Düster

Replying to [comment:2 hdus]:

🗑️

Replying to [comment:1 jef]:

🗑️

I tried to run your code in the python console. When try to save I get

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> > [[NotImplementedError]]: [[QgsVectorLayer]].writeSymbology() is abstract and must be overridden
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I still need to investigate why there's python code fired at all at that point, but if I replace

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> > vlayer = [[QgsVectorLayer]](uri.uri(), layerName, "postgres")
> > [[QgsMapLayerRegistry]].instance().addMapLayer(vlayer)
```

with

```
> > iface.addVectorLayer(uri.uri(), layerName, "postgres")
```

everything is fine again.

```
>
<pre>
> self.iface.addVectorLayer(uri.uri(), layerName, "postgres")
> vLayer = self.iface.mapCanvas().currentLayer()
> vLayer.loadNamedStyle(Path to qml-file)
</pre>
```

```
>
> in this case the symbolisation in mapcanvas is updated, but the legend symbolisation is not changed.
```

```
<pre>
```

#4 - 2008-12-15 05:16 AM - Jürgen Fischer

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

fixed in

#5 - 2009-08-22 12:57 AM - Anonymous

Milestone Version 1.0.0 deleted