## QGIS Application - Bug report #14212

### output/bin/qgis_diagramtest segfaults

2016-02-02 01:33 AM - Sandro Santilli

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Severe/Regression</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Sandro Santilli</td>
</tr>
<tr>
<td>Category:</td>
<td>Data Provider/OGR</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Affected QGIS version:</th>
<th>master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regression?:</td>
<td>No</td>
</tr>
<tr>
<td>Easy fix?:</td>
<td>No</td>
</tr>
<tr>
<td>Resolution:</td>
<td>fixed/implemented</td>
</tr>
<tr>
<td>Copied to github as #:</td>
<td>22214</td>
</tr>
</tbody>
</table>

### Description

Another case of segfault-on-exit

```plaintext
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/qgsproviderregistry.cpp: 237: (clean) [0ms] cleanup:spatialite
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/qgsproviderregistry.cpp: 237: (clean) [0ms] cleanup:virtual
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/qgsproviderregistry.cpp: 237: (clean) [0ms] cleanup:wcs
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/qgsproviderregistry.cpp: 237: (clean) [0ms] cleanup:wms
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/auth/qgsauthmethodregistry.cpp: 154: (~QgsAuthMethodRegistry) [0ms] cleanup: Basic
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/auth/qgsauthmethodregistry.cpp: 154: (~QgsAuthMethodRegistry) [0ms] cleanup: Identity-Cert
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/auth/qgsauthmethodregistry.cpp: 154: (~QgsAuthMethodRegistry) [0ms] cleanup: PKI-PKCS#12
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/auth/qgsauthmethodregistry.cpp: 154: (~QgsAuthMethodRegistry) [0ms] cleanup: PKI-Paths
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/qgsmaprenderercustompainterjob.cpp: 41: (~QgsMapRendererCustomPainterJob) [1ms] QPAINTER destruct
QDEBUG : TestQgsDiagram::cleanupTestCase() src/core/qgsmaprenderercustompainterjob.cpp: 41: (~QgsMapRendererCustomPainterJob) [0ms] QPAINTER destruct
QFATAL : TestQgsDiagram::cleanupTestCase() Received signal 11
FAIL! : TestQgsDiagram::cleanupTestCase() Received a fatal error.
  Loc: [Unknown file(0)]
  Totals: 3 passed, 1 failed, 0 skipped
********** Finished testing of TestQgsDiagram **********
Aborted (core dumped)
```

See also #14176

Last tested with commit:490236ff2f2e02e4222f842ea144e8ea3968e63da

### History

#### #1 - 2016-02-02 01:37 AM - Sandro Santilli
- Category changed from Authentication system to Data Provider/OGR

It actually seem to be the same issue of #14176 as this is valgrind finding:

```plaintext
==15933== Invalid read of size 8
```
The ref/unref management in QgsOgrFeatureIterator is not clear to me, and surely doesn't seem to be RAII compliant. What are ref/unref calls needed for? I'd rather just drop them completely.

I confirm removing the ref / unref methods and calls fixes the crash.

Also, valgrind shows no additional leak

- Pull Request or Patch supplied changed from No to Yes

Patch for review: https://github.com/qgis/QGIS/pull/2755
The suggested fix in pull 2755 reverts changed meant to fix #13082 -- I'll look at that ticket to see if it breaks.

Ticket #13082 does not break. The shapefile is closed some time after the layer is closed. This is based on an expiration time for connections in the now-centralized connection pool (it seems to be an hard-coded 60 seconds).

I cannot reproduce as of commit:b6c714ac20ea595ebf3136ae8facae0520acbe5f
Assuming fixed by commit:051253888810b06f6b055bfeaf57a7c6a009e3fd