Crash in QgsGeomColumnTypeThread stopping connection scan
2016-01-19 03:48 AM - Sandro Santilli

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Sandro Santilli</td>
</tr>
<tr>
<td>Category:</td>
<td>Data Provider/PostGIS</td>
</tr>
<tr>
<td>Affected QGIS version:</td>
<td>master</td>
</tr>
<tr>
<td>Operating System:</td>
<td></td>
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<td>Pull Request or Patch supplied:</td>
<td></td>
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<tr>
<td>Crashes QGIS or corrupts data:</td>
<td>Yes</td>
</tr>
<tr>
<td>Regression?:</td>
<td>No</td>
</tr>
<tr>
<td>Easy fix?:</td>
<td>No</td>
</tr>
<tr>
<td>Resolution:</td>
<td></td>
</tr>
<tr>
<td>Copied to github as #:</td>
<td>22142</td>
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</tbody>
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**Description**

I just got a segfault with current master (670ded3d0622811f8e0ba50b3f3fd5e783742044) by clicking on "stop" in the "Add PostGIS Layer" dialog, while it was scanncing a database.

**Backtrace:**

```
(gdb) bt
#0  0x00007fa6eb4ec12c in QString::QString (this=0x7fa6d98c8b40, other=...) at /usr/include/qt4/QtCore/qstring.h:725
#1  0x00007fa6eb510273 in QgsPostgresConn::connInfo (this=0x0) at /usr/src/qgis/qgis-master/src/providers/postgres/qgspostgresconn.h:308
#2  0x00007fa6eb510387 in qgsConnectionPool_ConnectionToName (c=0x0) at /usr/src/qgis/qgis-master/src/providers/postgres/qgsconnectionpool.h:25
#3  0x00007fa6eb510c2a in QgsConnectionPool<QgsPostgresConn*, QgsPostgresConnPoolGroup>::releaseConnection () at /usr/src/qgis/qgis-master/src/providers/postgres/qgsconnectionpool.h:25
#4  0x00007fa6eb5304aa in QgsGeomColumnTypeThread::run (this=0x2337220) at /usr/src/qgis/qgis-master/src/providers/postgres/qgscolumntypethread.cpp:115
#5  0x00007fa6eb5304aa in QgsGeomColumnTypeThread::run (this=0x2337220) at /usr/src/qgis/qgis-master/src/providers/postgres/qgscolumntypethread.cpp:115
#6  0x00007fa78005c182 in start_thread (arg=0x7fa6d98c9700) at pthread_create.c:312
#7  0x00007fa78005c182 in start_thread (arg=0x7fa6d98c9700) at pthread_create.c:312
```

It's still the QgsGeomColumnTypeThread...

**Associated revisions**

**Revision 69cb0c4e - 2016-01-19 01:15 PM - Sandro Santilli**

Fix double-release of postgresql connection on table retrieveal stop

Also breaks earlier out of loop and print a different status message on "stop" (rather than "complete").

Fixes #14140

**History**

#1 - 2016-01-19 03:53 AM - Sandro Santilli

```
==1984== Thread 11 QgsGeomColumnTypeThread:
```
```
==1984== Invalid read of size 8
==1984==  at 0x8355B12C: QString::QString(QString const&) (qstring.h:725)
==1984==  by 0x8357F272: QgsPostgresConn::connInfo() const (qgspostgresconn.h:308)
==1984==  by 0x8357F386: qgsConnectionPool_ConnectionToName(QgsPostgresConn*) (qgspostgresconnpool.h:25)
==1984==  by 0x8357FC29: QgsConnectionPool<QgsPostgresConn*, QgsPostgresConnPoolGroup>::releaseConnection(QgsPostgresConn*) (qgsconnectionpool.h: 264)
==1984==  by 0x8359F4A9: QgsGeomColumnTypeThread::run() (qgscolumntypethread.cpp:115)
```

#2 - 2016-01-19 03:56 AM - Sandro Santilli

Got it, ColumnTypeThread handling of "stopped" (mStop) is not thread-safe.

#3 - 2016-01-19 04:15 AM - Sandro Santilli

- Status changed from In Progress to Closed

Fixed in changeset commit:"69cb0c4ed3174946c82e32dad4af5a12275079fc".