QGIS Application - Bug report #4469
Postgis connection lost forever on backend restart.

2011-10-31 01:38 AM - Sandro Santilli

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Data Provider/PostGIS			
Affected QGIS version:	1.7.3		**Regression?:**	No
Operating System:			**Easy fix?:**	No
Pull Request or Patch supplied:			**Resolution:**	fixed
Crashes QGIS or corrupts data:			**Copied to github as #:**	14396

Description

Restarting the PostgreSQL server puts a QGis instance with PostGIS layers (bound to that specific server) into a silently failing state.
That is all features disappear from the canvas at first reload w/out any notice of the problem.

PS: is it worth adding a "PostGIS Data Provider" category ? I have more to come...

History

#1 - 2011-10-31 02:13 AM - Giovanni Manghi

- Category changed from Data Provider to Data Provider/PostGIS

#2 - 2011-10-31 02:45 AM - Jürgen Fischer

- Status changed from Open to Closed

- Resolution set to fixed

qgis now reconnects in case of failure (see commit:b86243ed9f6be9766284bc2e8ea82e7d4c0fbb5e)

#3 - 2011-10-31 02:53 AM - Sandro Santilli

I'm pretty sure I was using a later version.
Anyway, I'm rebuilding current master and will give it a try.

PS: would be helpful to have some kind of "Ready for test" status between Open and Closed.

#4 - 2011-10-31 03:09 AM - Sandro Santilli

- Resolution deleted (fixed)

Still being a problem as 7297b23
This is against postgresql 8.4

#5 - 2011-10-31 03:40 AM - Giovanni Manghi

- Status changed from Closed to Feedback

#6 - 2011-10-31 04:11 AM - Jürgen Fischer

Sandro Santilli wrote:

> *Still being a problem as 7297b23*
> *This is against postgresql 8.4*

Works fine here - although with 8.3, but I doubt that makes a difference.

```
d:\\src\\qgis\\src\\providers\\postgres\\qgspostgresprovider.cpp(4198) : (QgsPostgresProvider::Conn::openCursor) Starting read-only transaction
Query: BEGIN READ ONLY returned 7 [FATAL:  terminating connection due to administrator command
server closed the connection unexpectedly
    This probably means the server terminated abnormally
    before or while processing the request.
]
d:\\src\\qgis\\src\\app\\qgscustomization.cpp(778) : (QgsCustomization::customizeWidget) objectName = QgsMessageViewer event type = 17
d:\\src\\qgis\\src\\app\\qgscustomization.cpp(780) : (QgsCustomization::customizeWidget) QgsMessageViewer x QDialog
d:\\src\\qgis\\src\\providers\\postgres\\qgspostgresprovider.cpp(4255) : (QgsPostgresProvider::Conn::PQexecNR) connection bad - resetting
d:\\src\\qgis\\src\\providers\\postgres\\qgspostgresprovider.cpp(4259) : (QgsPostgresProvider::Conn::PQexecNR) reconnected - retrying
d:\\src\\qgis\\src\\providers\\postgres\\qgspostgresprovider.cpp(1403) : (QgsPostgresProvider::nextFeature) finished after 1 features
```

#7 - 2011-10-31 04:40 AM - Sandro Santilli

My logs:

```
FATAL:  terminating connection due to administrator command
Warning: Field -1 not found.
Warning: Field -1 not found.
```

I have 4 layers, two on edge_data and two on node each of two postgis topologies.
The edge_data layers are styled (old stylization) with unique value edge_id.

Will try to reduce the number of layers.

#8 - 2011-10-31 04:42 AM - Sandro Santilli

Same with a single layer (edge_data) and no styling.

#9 - 2011-11-16 06:41 AM - Regis Haubourg

With Qgis 1.8.0 8422a9d (16/11/2011 with osgeow), 2*postgres 9/ postgis 1.5 /1 pgpool2, when we stop one database, pgpool cut connections and recreate them. Qgis throws a first error message and then displays data correctly.

Proble solved for us. Thanks guys
Régis

#10 - 2011-11-17 04:19 AM - Giovanni Manghi

Sandro Santilli wrote:

> *Same with a single layer (edge_data) and no styling.*

it seems to me that is either not confirmed or fixed, can you check?

#11 - 2011-11-17 09:32 AM - Sandro Santilli

A simple test with b6852f1 still shows the problem of things disappearing on backend restart.

Test:

 - Open qgis
 - Select a simple layer
 - Zoom so you see where things are
 - /etc/init.d/postgresql restart
 - Pan a little bit to force redraw

Can't see the vectors anymore here...

Maybe this is helpful:

Debug: /usr/src/qgis/qgis/src/core/qgsmaprenderer.cpp: 367: (render) Rendering layer crossing

Debug: /usr/src/qgis/qgis/src/core/qgsmaprenderer.cpp: 368: (render)   Layer minscale 0

Debug: /usr/src/qgis/qgis/src/core/qgsmaprenderer.cpp: 369: (render)   Layer maxscale 1e+08

Debug: /usr/src/qgis/qgis/src/core/qgsmaprenderer.cpp: 370: (render)   Scale dep. visibility enabled? 0

Debug: /usr/src/qgis/qgis/src/core/qgsmaprenderer.cpp: 371: (render)   Input extent: Empty

Debug: /usr/src/qgis/qgis/src/core/qgspallabeling.cpp: 765: (prepareLayer) PREPARE LAYER

Debug: /usr/src/qgis/qgis/src/providers/postgres/qgspostgresprovider.cpp: 1607: (loadFields) Loading fields for table crossing

Debug: /usr/src/qgis/qgis/src/providers/postgres/qgspostgresprovider.cpp: 1375: (nextFeature) nextFeature() without select()

#12 - 2011-11-17 09:35 AM - Giovanni Manghi

Then I cannot confirm the problem here

#13 - 2011-12-16 02:10 PM - Giovanni Manghi

- Target version set to Version 1.7.4

#14 - 2012-01-22 11:48 PM - Jürgen Fischer

- Affected QGIS version set to master

- Crashes QGIS or corrupts data set to No

please verify that the problem still exists in master.

#15 - 2012-01-23 03:56 AM - Sandro Santilli

- Affected QGIS version changed from master to 1.7.3

While trying in master I got another 2 different issues. First was a zero-length identifier for an "Identify" query, the secodn was a *crash* on backend restart.

This ticket is specifically for 1.7 though, not master. Can it be fixed in there ?

#16 - 2012-04-16 06:31 AM - Paolo Cavallini

- Target version changed from Version 1.7.4 to Version 1.8.0

#17 - 2012-09-04 11:56 AM - Paolo Cavallini

- Target version changed from Version 1.8.0 to Version 2.0.0

#18 - 2012-11-02 12:51 PM - Sandro Santilli

- Status changed from Feedback to Closed

- Resolution set to fixed

I tried 1.8.0 and it works fine. Also master works fine.