

## QGIS Application - Bug report #5022

### postgis tables that are not in the "public" schema are not available in browser

2012-02-15 04:44 AM - Etienne Tourigny

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Browser	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 14798

#### Description

The PostGIS entry in browser (dock or standalone) does not show any layers, but instead the text "Failed to retrieve layers".

However, adding layers through the "Add PostGIS Layers" button works after clicking "connect", see attached screenshot.

Using current master (549d96c), this does not happen in 1.7.4 nor in a previous master version (0a17ad5).

#### Associated revisions

Revision 4c0dd449 - 2012-02-18 04:53 PM - Jürgen Fischer

fix #5022

#### History

#1 - 2012-02-15 04:48 AM - Giovanni Manghi

I'm on master under Ubuntu 64 bit and it works fine here.

#2 - 2012-02-15 05:44 AM - Etienne Tourigny

- File 0a17ad5-ok.png added

- File d2775ba-notok.png added

I have figured out the problem - my tables are in the "gis\_schema", while the spatial tables are in the "public" schema. This works in 1.7.4 and 0a17ad5 master, but not in recent master. Adding 2 screenshots illustrating the problem.

I added a table to the "public" schema and now it is visible in the browser (but not the others). Both schemas are available in the "Add PostGIS Layers" dialog.

I have created the "gis\_schema" because it is recommended, but not sure if it's really needed. Any way, this is unexpected behaviour.

Can you confirm this happens with you also? Thanks

#3 - 2012-02-16 08:53 AM - Giovanni Manghi

- Operating System deleted (Linux)

- OS version deleted (Linux Mint 12)

Etienne Tourigny wrote:

*I have figured out the problem - my tables are in the "gis\_schema", while the spatial tables are in the "public" schema. This works in 1.7.4 and 0a17ad5 master, but not in recent master. Adding 2 screenshots illustrating the problem.*

*I added a table to the "public" schema and now it is visible in the browser (but not the others). Both schemas are available in the "Add PostGIS Layers" dialog.*

*I have created the "gis\_schema" because it is recommended, but not sure if it's really needed. Any way, this is unexpected behaviour.*

*Can you confirm this happens with you also? Thanks*

can you please change the title to reflect your new finding? thanks

#### **#4 - 2012-02-16 09:01 AM - Etienne Tourigny**

I would like to but it seems I don't have the permissions... I can only add notes.

Perhaps it also should fall into another category, but I can't change that either.

The title should read: postgis tables that are not in the "public" schema are not available in browser

Thanks

#### **#5 - 2012-02-16 09:02 AM - Giovanni Manghi**

- Subject changed from *postgis layers are not available in browser (master) - "Failed to retrieve layers"* to *postgis tables that are not in the "public" schema are not available in browser*

#### **#6 - 2012-02-18 07:54 AM - Jürgen Fischer**

- Status changed from *Open* to *Closed*

- % Done changed from *0* to *100*

Fixed in changeset commit:"4c0dd4496d788ea43ca7f765f7ace5fc449074b2".

#### **#7 - 2012-02-18 11:38 AM - Etienne Tourigny**

I cannot access my postgis tables (even in Add PostGIS layers) after applying this fix, and both schemas show "Failed to retrieve layers" in the browser.

Just to make sure I have selected "only look for tables in the public schema" (I have a table there).

Here is debugging output after I click "connect":

Debug: src/providers/postgres/qgspostgresconn.cpp: 1344: (connUri) theConnName = test

Debug: src/providers/postgres/qgspgsourceselect.cpp: 431: (on\_btnConnect\_clicked) Connection info: dbname='gisdb' host=localhost port=5432 user='gis' password='mypassword' sslmode=disable

Debug: src/providers/postgres/qgspostgresconn.cpp: 135: (connectDb) Using cached connection for dbname='gisdb' host=localhost port=5432 user='gis' password='mypassword' sslmode=disable

Debug: src/providers/postgres/qgspostgresconn.cpp: 305: (getTableInfo) Entering.

```

Debug: src/providers/postgres/qgspostgresconn.cpp: 347: (getTableInfo) getting table info: SELECT
f_table_name,f_table_schema,f_geometry_column,upper(type),srid,pg_class.relkind FROM geometry_columns,pg_class,pg_namespace WHERE
relname=f_table_name AND f_table_schema=nspname AND pg_namespace.oid=pg_class.relnamespace AND
has_schema_privilege(pg_namespace.nspname,'usage') AND
has_table_privilege("||pg_namespace.nspname||"."||pg_class.relname||","','select') AND f_table_schema='public' ORDER BY
f_table_schema,f_table_name,f_geometry_column
Debug: src/providers/postgres/qgspostgresconn.cpp: 372: (getTableInfo) geometry_columns : public.brazil-main.the_geom: MULTIPOLYGON
4618 r
Debug: src/providers/postgres/qgspostgresconn.cpp: 347: (getTableInfo) getting table info: SELECT
f_table_name,f_table_schema,f_geography_column,upper(type),srid,pg_class.relkind FROM geography_columns,pg_class,pg_namespace
WHERE relname=f_table_name AND f_table_schema=nspname AND pg_namespace.oid=pg_class.relnamespace AND
has_schema_privilege(pg_namespace.nspname,'usage') AND
has_table_privilege("||pg_namespace.nspname||"."||pg_class.relname||","','select') AND f_table_schema='public' ORDER BY
f_table_schema,f_table_name,f_geography_column
Debug: src/providers/postgres/qgspostgresconn.cpp: 727: (PQexec) Not logged erroneous query: SELECT
f_table_name,f_table_schema,f_geography_column,upper(type),srid,pg_class.relkind FROM geography_columns,pg_class,pg_namespace
WHERE relname=f_table_name AND f_table_schema=nspname AND pg_namespace.oid=pg_class.relnamespace AND
has_schema_privilege(pg_namespace.nspname,'usage') AND
has_table_privilege("||pg_namespace.nspname||"."||pg_class.relname||","','select') AND f_table_schema='public' ORDER BY
f_table_schema,f_table_name,f_geography_column returned 7 [ERROR: permission denied for relation geography_columns
]
WARNING: there is no transaction in progress
Debug: src/core/qgsmessagelog.cpp: 41: (logMessage) 2012-02-18T16:32:41 PostGIS[0] Unable to get list of spatially enabled tables from the
database

```

And here is the output without "only look for tables in the public schema":

```

Debug: src/providers/postgres/qgspostgresconn.cpp: 1344: (connUri) theConnName = test
Debug: src/providers/postgres/qgspgsourceselect.cpp: 431: (on_btnConnect_clicked) Connection info: dbname='gisdb' host=localhost port=5432
user='gis' password='mypassword' sslmode=disable
Debug: src/providers/postgres/qgspostgresconn.cpp: 135: (connectDb) Using cached connection for dbname='gisdb' host=localhost port=5432
user='gis' password='mypassword' sslmode=disable
Debug: src/providers/postgres/qgspostgresconn.cpp: 305: (getTableInfo) Entering.
Debug: src/providers/postgres/qgspostgresconn.cpp: 347: (getTableInfo) getting table info: SELECT
f_table_name,f_table_schema,f_geometry_column,upper(type),srid,pg_class.relkind FROM geometry_columns,pg_class,pg_namespace WHERE
relname=f_table_name AND f_table_schema=nspname AND pg_namespace.oid=pg_class.relnamespace AND
has_schema_privilege(pg_namespace.nspname,'usage') AND
has_table_privilege("||pg_namespace.nspname||"."||pg_class.relname||","','select') ORDER BY
f_table_schema,f_table_name,f_geometry_column
Debug: src/providers/postgres/qgspostgresconn.cpp: 372: (getTableInfo) geometry_columns : gis_schema.bioma_simple.the_geom:
MULTIPOLYGON 4618 r
Debug: src/providers/postgres/qgspostgresconn.cpp: 372: (getTableInfo) geometry_columns : gis_schema.boundaries_polygon.the_geom:
MULTIPOLYGON 4326 r
Debug: src/providers/postgres/qgspostgresconn.cpp: 372: (getTableInfo) geometry_columns : gis_schema.boundaries_polygon2.the_geom:
MULTIPOLYGON 4326 r
Debug: src/providers/postgres/qgspostgresconn.cpp: 372: (getTableInfo) geometry_columns : gis_schema.brazil_cont.the_geom:
MULTIPOLYGON 4618 r
Debug: src/providers/postgres/qgspostgresconn.cpp: 372: (getTableInfo) geometry_columns : gis_schema.grid-br-05.the_geom:
MULTIPOLYGON 4326 r
Debug: src/providers/postgres/qgspostgresconn.cpp: 372: (getTableInfo) geometry_columns :
gis_schema.modis_sinusoidal_grid_world-wgs84.the_geom: MULTIPOLYGON 4326 r
Debug: src/providers/postgres/qgspostgresconn.cpp: 372: (getTableInfo) geometry_columns : public.brazil-main.the_geom: MULTIPOLYGON

```

4618 r

```
Debug: src/providers/postgres/qgspostgresconn.cpp: 347: (getTableInfo) getting table info: SELECT
f_table_name,f_table_schema,f_geography_column,upper(type),srid,pg_class.relkind FROM geography_columns,pg_class,pg_namespace
WHERE relname=f_table_name AND f_table_schema=nsname AND pg_namespace.oid=pg_class.relnamespace AND
has_schema_privilege(pg_namespace.nspname,'usage') AND
has_table_privilege("||pg_namespace.nspname||"."||pg_class.relname||","select') ORDER BY
f_table_schema,f_table_name,f_geography_column
Debug: src/providers/postgres/qgspostgresconn.cpp: 727: (PQexec) Not logged erroneous query: SELECT
f_table_name,f_table_schema,f_geography_column,upper(type),srid,pg_class.relkind FROM geography_columns,pg_class,pg_namespace
WHERE relname=f_table_name AND f_table_schema=nsname AND pg_namespace.oid=pg_class.relnamespace AND
has_schema_privilege(pg_namespace.nspname,'usage') AND
has_table_privilege("||pg_namespace.nspname||"."||pg_class.relname||","select') ORDER BY
f_table_schema,f_table_name,f_geography_column returned 7 [ERROR: permission denied for relation geography_columns
]
WARNING: there is no transaction in progress
Debug: src/core/qgsmessagelog.cpp: 41: (logMessage) 2012-02-18T16:36:35 PostGIS[0] Unable to get list of spatially enabled tables from the
database
```

Thanks!

#### #8 - 2012-02-18 12:00 PM - Jürgen Fischer

Etienne Tourigny wrote:

```
| Here is debugging output after I click "connect":
|
| [... ERROR: permission denied for relation geography_columns]
```

Why don't you have permission to query geography\_columns? Should work with commit:f432e830.

#### #9 - 2012-02-18 01:05 PM - Etienne Tourigny

some weird permission issues with geography\_columns view - resolved that and now it works (before and after f432e830).

Sorry for the trouble, but it worked previously so I had no idea about the permissions problem.

Thanks

#### #10 - 2012-02-19 11:56 AM - Paolo Cavallini

- Resolution set to invalid

#### #11 - 2012-02-20 05:39 AM - Etienne Tourigny

Paolo - I am curious why you set this as invalid - there was a problem with tables not in the public schema, which is clearly not an "invalid" bug.

The problem with geography\_columns was unrelated (I think).

#12 - 2012-02-20 08:00 AM - Jürgen Fischer

- Resolution changed from invalid to fixed

## Files

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qgis-browser-no-postgis.png	187 KB	2012-02-15	Etienne Tournigny
qgis-browser-0a17ad5-ok.png	161 KB	2012-02-15	Etienne Tournigny
0a17ad5-ok.png	185 KB	2012-02-15	Etienne Tournigny
d2775ba-notok.png	197 KB	2012-02-15	Etienne Tournigny