QGIS Application - Bug report #19449
Strange behaviour when saving styles in Postgres

2018-07-19 07:19 PM - Yaroslav Vasyunin

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Symbology			
Affected QGIS version:	3.2	**Regression?:**	No	
Operating System:	Mac OS and Windows	**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	invalid	
Crashes QGIS or corrupts data:		**Copied to github as #:**	27277	

Description

My QGIS projects loads vector layers from PostgreSQL. I have three users in my database:

  - postgres - admin of the whole database cluster (default user)
  - user1 - owner of one particular database "test".
  - user2 - it has limited access to the database "test"

I have two relevant schemas there:

  - public - for storing system and maintenance tables
  - data - where all working data is collected

All users have access to all objects (including functions and sequences) in these two schemas.

If I save a style in the database under **postgres** or **user2**, then it is stored in public.layer_styles
If I save a style in the database under **user1** (db owner), then it is stored in data.layer_styles

So if I open the QGIS project with **user1**, then I can't neither read styles saved in public.layer_styles nor add new styles there. I double checked permissions for styles tables. All users are granted with ALL permissions to them.

History

#1 - 2018-07-25 02:00 PM - Jürgen Fischer

- Status changed from Open to Feedback

Have you verified the search_path of the users (search_path could be set by user: ALTER ROLE user1 SET search_path…)?

#2 - 2018-07-25 02:51 PM - Yaroslav Vasyunin

Jürgen Fischer wrote:

> *Have you verified the search_path of the users (search_path could be set by user: ALTER ROLE user1 SET search_path…)?*

Yes - that is the route of my problem! Thank you for the tip. For some reason user1 had schema data in the search_path, while other users doesn't have it.

So it turns out it is not a bug, but an obscure behaviour. It would be nice to have a possibility to choose in which schema to write and read the layer_styles table... The following query helped me to see all custom search paths for all users and databases:

```
SELECT r.rolname, d.datname, rs.setconfig
  FROM pg_db_role_setting rs
  LEFT JOIN pg_roles r ON r.oid = rs.setrole
  LEFT JOIN pg_database d ON d.oid = rs.setdatabase;
```

#3 - 2018-07-26 08:28 AM - Giovanni Manghi

Closing?

#4 - 2018-07-26 01:33 PM - Yaroslav Vasyunin

Giovanni Manghi wrote:

> *Closing?*

yes

#5 - 2018-07-26 05:17 PM - Giovanni Manghi

- Resolution set to invalid

- Status changed from Feedback to Closed