QGIS Application - Bug report #17363
DB Manager cannot load a PG Raster with a complex name

2017-10-31 01:13 AM - Mike Taves

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:	DB Manager		
Affected QGIS version:	2.18.13	**Regression?:**	No
Operating System:	Windows 10	**Easy fix?:**	Yes
Pull Request or Patch supplied:		**Resolution:**	no timely feedback
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	25260

Description

A PostGIS geometry table with a complex name can successfully be added to QGIS via DB Manager:

    CREATE TABLE public."dot.geom"
    (
      gid serial NOT NULL,
      geom geometry(Point,2193)
    );

However, a similarly named raster table cannot be added to QGIS via DB Manager:

    CREATE TABLE public."dot.rast"
    (
      rid serial NOT NULL,
      rast raster
    );

The only useful error message from the "Enter Credentials" dialog has:

> *Cannot open GDAL dataset PG: dbname= <... snip ...> :*
> *Error browsing database for PostGIS Raster properties :*
> *Error: cross-database references are not implemented: "public.dot.rast"*
> *LINE 1: ...rast)) scale_x, avg(ST_ScaleY(rast)) scale_y from public.dot...*

The easier-to-find Log message from DBManagerPlugin does not show the previous message, only a generic:

> *PG: dbname=postgis host=localhost user=postgres port=5436 mode=2 schema=public column=rast table=dot.rast is an invalid layer - not loaded*

The bug is easily identified in the first error message: public.dot.rast is not a valid table/view name, but "public"."dot.rast" is valid. I'm not sure where the error is located in the source code, but all PostgreSQL objects need to use something like `quote_ident` or `PQescapeLiteral` to function normally.

There doesn't appear to be any issues with the first example with "public"."dot.geom", so all good there!

History

#1 - 2019-01-21 12:34 AM - Jürgen Fischer

- Status changed from Open to Feedback

Please test with QGIS 3.4 - QGIS 2.18 reached it's end of life.

#2 - 2019-03-08 11:43 AM - Giovanni Manghi

- Resolution set to no timely feedback

- Status changed from Feedback to Closed

Closing for lack of feedback.

#1 - 2019-01-21 12:34 AM - Jürgen Fischer

- Status changed from Open to Feedback