QGIS Application - Bug report #13060
Postgresql materialized view doesn't open

2015-07-01 08:44 AM - zimirrr leonid

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:	Data Provider/PostGIS		
Affected QGIS version:	2.8.1	**Regression?:**	No
Operating System:	windows 7	**Easy fix?:**	No
Pull Request or Patch supplied:		**Resolution:**	worksforme
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	21130

Description

I have postgresql postgresql-9.4.4-1-windows-x64 and postgis 2.1.7-1 installed
I created materialized view but qgis doesn't open them
The errormsg is:
dbname='test_qgis' host=localhost port=5432 user='t' password='1' sslmode=disable key='tableoid' srid=4326 type=MULTIPOLYGON
table="dspec1_qgis"."build_a_50k" (geo) sql= is an invalid layer - not loaded

History

#1 - 2015-07-01 08:45 AM - zimirrr leonid

but it opens layer with DBManager!

#2 - 2015-07-01 10:28 AM - Jürgen Fischer

- Status changed from Open to Feedback

check the message log - 'tableoid' is probably not unique.

#3 - 2015-07-02 02:13 AM - zimirrr leonid

i checked tableoid within my view, it is unique

#4 - 2015-07-02 08:56 AM - Jürgen Fischer

zimirrr leonid wrote:

> i checked tableoid within my view, it is unique

And output in the log that has more information about the origin of the problem?

#5 - 2015-07-03 12:44 AM - zimirrr leonid

Jürgen Fischer wrote:

> *zimirrr leonid wrote:*
>
> > *i checked tableoid within my view, it is unique*
>
> *And output in the log that has more information about the origin of the problem?*

"dbname='test_qgis' host=localhost port=5432 user='t' password='1' sslmode=disable key='tableoid' srid=4326 type=MULTIPOLYGON table="dspec1_qgis"."build_a_50k" (geo) sql= is an invalid layer - not loaded"
this is the only message in log

#6 - 2015-07-13 04:37 AM - zimirrr leonid

I tried new version qgis 2.10
"Add Postgis Table(s)" shows materialized views, but they are inactive
"DB Manager - shows and adds materialized views, no problem

#7 - 2015-07-13 04:40 AM - Jürgen Fischer

zimirrr leonid wrote:

> *I tried new version qgis 2.10*
> *"Add Postgis Table(s)" shows materialized views, but they are inactive*

Selecting the unique column should enable it.

#8 - 2015-07-13 05:13 AM - zimirrr leonid

I did some tests again.

"DB Manager" adds views and materialized views, but only one per click

in version 2.8 "Add Postgis Table(s)" adds simple views but not materialized views
in version 2.10
"Add Postgis Table(s)" - can't add same views and materialized views

i use 'SELECT row_number() over () AS qgisid ...' for unique rowid
What should i add to my views to open them in version 2.10?

#9 - 2015-07-13 05:58 AM - Jürgen Fischer

zimirrr leonid wrote:

> *in version 2.8 "Add Postgis Table(s)" adds simple views but not materialized views*

In 2.8 it just adds a list of columns for the selection of the primary key and preselects the first - regardless of whether it's the unique one or not.

> *in version 2.10*

In 2.10 you need to select a primary key before the row is selectable.

Neither 2.8 or 2.10 verify that the selected key is unique before you insert the layer (and if you "use estimated metadata" then that test is even skipped).

#10 - 2015-08-03 07:16 AM - Nicolas Rochard

- Target version set to Version 2.10

Hello,

- Server Configuration : PostGreSQL 9.3.6 + PostGIS 2.1.5
- Desktop : QGIS 2.10 64bits openSUSE (tested also QGIS 2.8.2 64bit on Windows 7)

Got same problem.

If I execute a SQL query as
- a View : it works
- a Table : it works
- a matarialized view : not working (same message than zimirrr) by menu load postgresql layer (with selecting good primary key). But I can load by dbmanager where I could overview structure, table and geometry. Right click on it 'add to canevas' and layer appears ...

#11 - 2015-11-07 11:26 AM - Giovanni Manghi

- Target version deleted (Version 2.10)

#12 - 2015-12-27 04:27 PM - Giovanni Manghi

Nicolas Rochard wrote:

> *Hello,*
>
> *- Server Configuration : PostGreSQL 9.3.6 + PostGIS 2.1.5*
> *- Desktop : QGIS 2.10 64bits openSUSE (tested also QGIS 2.8.2 64bit on Windows 7)*
>
> *Got same problem.*
>
> *If I execute a SQL query as*
> *- a View : it works*
> *- a Table : it works*
> *- a matarialized view : not working (same message than zimirrr) by menu load postgresql layer (with selecting good primary key). But I can load by dbmanager where I could overview structure, table and geometry. Right click on it 'add to canevas' and layer appears ...*

I made some tests here, and the only way I don't get a view/materialized views added via the "add postgis layer" dialog, is by selecting a not proper column for primary key.

A sample of your data, the SQL query to create the MV and the name of the column you are trying to use as PK would help here.

Please leave feedback.

#13 - 2015-12-28 01:00 AM - zimirrr leonid

- File test.png added

- Assignee changed from Jürgen Fischer to Giovanni Manghi

i use 'SELECT row_number() over () AS qgisid ' to create unique rowid

i've just tested it in version 2.12.0 and that's how this MVs look like in "add postgis layer" dialog

#14 - 2015-12-28 02:14 AM - Giovanni Manghi

- Assignee deleted (Giovanni Manghi)

zimirrr leonid wrote:

> *i use 'SELECT row_number() over () AS qgisid ' to create unique rowid*
>
> *i've just tested it in version 2.12.0 and that's how this MVs look like in "add postgis layer" dialog*

you see that the dialog has a horizontal scrollbar? you must scroll, look for the "primary key" column and there choose the pk for your view or mview.

#15 - 2015-12-28 04:22 AM - zimirrr leonid

- File tttt.png added

Sorry, didn't notice that))
Here is the pic of full dialog
I can't expand Feature id, there is only "Select..."

#16 - 2015-12-28 05:19 AM - Giovanni Manghi

zimirrr leonid wrote:

> *Sorry, didn't notice that))*
> *Here is the pic of full dialog*
> *I can't expand Feature id, there is only "Select..."*

double click on "select" in the "feature id" column, and select a proper pk.

#17 - 2015-12-28 05:29 AM - zimirrr leonid

thx a lot.
It worked!

But why MV do need to be selected manualy and simple view don't?

#18 - 2015-12-29 12:31 AM - Giovanni Manghi

- Status changed from Feedback to Closed

- Resolution set to worksforme

zimirrr leonid wrote:

> *thx a lot.*
> *It worked!*
>
> *But why MV do need to be selected manualy and simple view don't?*

I just tested and views behave exactly the same as the mv.

Files

test.png	19.8 KB	2015-12-28	zimirrr leonid
tttt.png	42.5 KB	2015-12-28	zimirrr leonid