QGIS Application - Bug report #4051
Cannot display SpatiaLite views based on tables with spatial index

2011-07-06 01:04 AM - Anita Graser

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Data Provider/SpatiaLite			
Affected QGIS version:master		**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied: No		**Resolution:**	fixed/implemented	
Crashes QGIS or corrupts data: No		**Copied to github as #:**	14037	

Description

If I add a spatial index to the parent table of my view in SpatiaLite, the features are not rendered in QGIS anymore. When I disable the index, it renders again.

Tested on Ubuntu Natty.

History

#1 - 2011-11-12 05:52 AM - Tim Sutton

- Target version changed from Version 1.7.1 to Version 1.7.2

#2 - 2011-11-30 12:40 PM - Giovanni Manghi

- Target version changed from Version 1.7.2 to Version 1.7.3

#3 - 2011-12-16 10:54 AM - Giovanni Manghi

- Target version changed from Version 1.7.3 to Version 1.7.4

#4 - 2012-04-16 06:28 AM - Paolo Cavallini

- Target version changed from Version 1.7.4 to Version 1.8.0

- Affected QGIS version set to master

- Crashes QGIS or corrupts data set to No

#5 - 2012-09-04 11:59 AM - Paolo Cavallini

- Target version changed from Version 1.8.0 to Version 2.0.0

#6 - 2014-03-01 09:37 AM - Stefano Costa -

- Target version changed from Version 2.0.0 to Future Release - Lower Priority

Similar issue still found in QGIS 2.2?

#7 - 2014-03-02 12:54 AM - Giovanni Manghi

- Status changed from Open to Feedback

- Pull Request or Patch supplied set to No

#8 - 2014-03-08 08:21 AM - Anita Graser

To me, it seems like the problem persists. If I create a new Spatialite table with QGIS new layer, it automatically adds indexes. If I then create a view based on this table, the features won't be rendered in the DB Manager preview (it's not enabled) or in the QGIS main window. (I can add the layer but it remains

empty).

Querying features using e.g. SELECT astext(geometry) FROM my_view; works fine as expected.

#9 - 2014-05-20 06:28 AM - pvanbosgeo -

I am having the same problem in QGIS master. Spatial view are not shown if the parent table(s) have a spatial index. Removing the index and the spatial view shows in QGIS.

#10 - 2014-05-20 10:23 AM - Anita Graser

- Category changed from Data Provider to Data Provider/SpatiaLite

Can someone change this back to "open" please?

#11 - 2014-05-20 10:23 AM - Giovanni Manghi

- Status changed from Feedback to Open

#12 - 2014-09-17 08:18 AM - Stefano Maran

I am using QGIS 2.4.0. If I use the info tool, I can see the attributes; if I use the DB Manager, I can see the attribute table; but if I use the "open attribute table" button, I see only columns filled with ERROR string and, of course, I cannot use the table tools.

#13 - 2015-12-03 06:56 AM - Médéric RIBREUX

- Status changed from Open to Feedback

Hello, bug triage...

I've made some tests with QGIS 2.13. I've used the Spatialite provider to create a new database and a new layer (which also configures a spatial index on it).
I've then used DBManager to create a view on this table based on a select query and "create view" button.
DBManager (Spatialite actually) complains that the view name needs to be lower case. Whenever I set a lower case name for a view, it is correctly inserted into the 'geometry_columns' table/view and the view can be correctly displayed in QGIS canvas and in DBManager preview tab.

So it seems that this bug is fixed, at least in QGIS 2.13 master. QGIS displays all the errors to informs the user about what to do to have a correct spatial view in Spatialite.

Do you still have problems on your side ?

#14 - 2015-12-06 11:59 AM - Anita Graser

- Status changed from Feedback to Closed
- Resolution set to fixed/implemented

Thanks for checking this. I can confirm that your describe workflow for creating a view from a table with index on it works. Closing this issue.