

QGIS Application - Bug report #18520

Updating a geometry by trigger in geopackage db

2018-03-23 09:32 AM - Etienne MORO

Status:	Closed	
Priority:	High	
Assignee:	Alessandro Pasotti	
Category:	Data Provider/OGR	
Affected QGIS version:	2.18.17	Regression?: No
Operating System:	Windows 7	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	No	Copied to github as #: 26408
Description		
<p>Hello,</p> <p>I have 2 layers (luminaires and cables) in a geopackage db, and I've defined a trigger in order to update the position of the line when a point is moved (the line should follow the position of the point). The problem is that after the trigger acts, the line moved by the trigger disappears. In fact when I look at the db, the geometry of that line seems to be correct, but the line is not drawn in QGIS.</p> <p>I've done exactly the same operations with a spatialite db and it works correctly. The problem is only with a geopackage db.</p> <p>You'll find attached the files used (a geopackage version with the problem and a spatialite version that works correctly), and you can see a video that shows you the problem at this address:</p> <p>https://sigmoe.fr/problem-qgis-geopackage-trigger</p> <p>password for the video: sgmqgisbug!180323</p> <p>Same problem with v3.00.</p> <p>The trigger used is :</p> <pre>CREATE TRIGGER luminaires_upd_updcablesgeom AFTER UPDATE ON luminaires BEGIN UPDATE cables SET geom = ST_SetStartPoint(geom, NEW.geom), observations = 'point départ changé' WHERE cables."lum départ" = OLD."numéro"; UPDATE cables SET geom = ST_SetEndPoint(geom, NEW.geom), observations = 'point final changé' WHERE cables."lum arrivée" = OLD."numéro"; END;</pre>		

History

#1 - 2018-06-11 05:47 PM - Alessandro Pasotti

- Pull Request or Patch supplied changed from Yes to No
- Crashes QGIS or corrupts data changed from Yes to No

#2 - 2018-06-11 05:47 PM - Alessandro Pasotti

- Category changed from Data Provider/Spatialite to Data Provider/OGR

#3 - 2018-06-11 06:11 PM - Alessandro Pasotti

- Status changed from Open to Feedback

As Even suggested:

I think I've an idea of what's going wrong. `geom = ST_SetStartPoint(geom, NEW.geom)` generates a spatialite geom, not a GPKG one. Should probably be `geom = AsGpkg(ST_SetStartPoint(geom, NEW.geom))`

Can you check if this fix the issue?

#4 - 2018-07-05 07:35 PM - Etienne MORO

- Assignee set to *Alessandro Pasotti*

The idea was good, but it's not `AsGpkg` that I should use, but `AsGPB`, to transform the geometry into a binary geopackage geometry, and then it works well. So, the right code is:

`geom = AsGPB(ST_SetStartPoint(geom, NEW.geom))`

Thank you for the idea.

#5 - 2018-08-17 02:56 PM - Alessandro Pasotti

- Resolution set to *invalid*

- Status changed from *Feedback* to *Closed*

Files

pbGeopackageTrigger.zip	644 KB	2018-03-23	Etienne MORO
-------------------------	--------	------------	--------------