

QGIS Application - Bug report #6257

db manager fails to import all features from shapefile to spatialite

2012-08-27 12:33 PM - Etienne Tournigny

Status:	Closed	
Priority:	Normal	
Assignee:	Giuseppe Sucameli	
Category:	Data Provider/Spatialite	
Affected QGIS version:	master	Regression?: No
Operating System:	Ubuntu 12.04 LTS	Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 15563
Description		
<p>when dropping layer from file manager to spatialite file in browser, not all features are copied. This happens in both 1.8 and master</p> <p>However, import is fine when using qspatialite plugin.</p> <p>The error given when using 1.8 is</p> <p>Failed to import some layers!</p> <p>clas_226_67_20100724_pol: Feature write errors: Creation error for features from #200 to #281. Provider errors was: SQLite error: constraint failed SQL: INSERT INTO "clas_226_67_20100724_pol"("pk","geom","sprarea","sprperimet","sprclasse") VALUES (NULL,GeomFromWKB(?, 4326),?,?,?) Only 200 of 282 features written.</p> <p>in master:</p> <p>Failed to import some layers!</p> <p>clas_226_67_20100724_pol: Feature write errors: Creation error for features from #0 to #0. Provider errors was: SQLite error: constraint failed SQL: INSERT INTO "clas_226_67_20100724_pol"("geom","sprarea","sprperimet","sprclasse") VALUES (GeomFromWKB(?, 4326),?,?,?) Only 200 of 282 features written.</p> <p>ogrinfo on the file:</p> <pre>\$ ogrinfo -so clas_226_67_20100724_pol.shp clas_226_67_20100724_pol INFO: Open of `clas_226_67_20100724_pol.shp' using driver `ESRI Shapefile' successful. Layer name: clas_226_67_20100724_pol Geometry: Polygon Feature Count: 282 Extent: (687536.000000, 8806300.000000) - (886580.000000, 8975017.000000)</pre>		

Layer SRS WKT:
(unknown)
SPRAREA: Real (20.4)
SPRPERIMET: Real (20.4)
SPRCLASSE: String (32.0)

I get a similar error with a larger file

Failed to import some layers!

clas_226_67_20101012_pol: Feature write errors:
Creation error for features from #3600 to #3799. Provider errors was:
SQLite error: constraint failed
SQL: INSERT INTO "clas_226_67_20101012_pol"("pk","geom","sprarea","sprperimet","sprclasse") VALUES (NULL,GeomFromWKB(?, 4326),?,?,?)
Creation error for features from #3800 to #3999. Provider errors was:
SQLite error: constraint failed
SQL: INSERT INTO "clas_226_67_20101012_pol"("pk","geom","sprarea","sprperimet","sprclasse") VALUES (NULL,GeomFromWKB(?, 4326),?,?,?)
Creation error for features from #4000 to #4148. Provider errors was:
SQLite error: constraint failed
SQL: INSERT INTO "clas_226_67_20101012_pol"("pk","geom","sprarea","sprperimet","sprclasse") VALUES (NULL,GeomFromWKB(?, 4326),?,?,?)
Only 3600 of 4149 features written.

Associated revisions

Revision 1bde6c58 - 2012-12-05 07:16 PM - Giuseppe Sucameli

SL provider: convert geometries to multipart when necessary (fix #6257)

History

#1 - 2012-08-28 03:08 PM - Giovanni Manghi

- *Operating System deleted (linux)*
- *Assignee set to Giuseppe Sucameli*

#2 - 2012-09-04 12:07 PM - Paolo Cavallini

- *Target version set to Version 2.0.0*

#3 - 2012-11-29 07:17 AM - Giuseppe Sucameli

- *Category changed from DB Manager to Data Provider/Spatialite*
- *Status changed from Open to In Progress*

The SL provider doesn't convert geometries to multipart when needed (i.e. when the layer has a multipart type).

Somehow related to #5547 because the problem usually occurs importing shapefiles.

#4 - 2012-11-29 07:41 AM - Giuseppe Sucameli

Giuseppe Sucameli wrote:

| *The SL provider doesn't convert geometries to multipart when needed (i.e. when the layer has a multipart type).*

The AddGeometryColumn spatialite function adds triggers to check the geometry type and srid of new/changed geometries but the constraint fails trying to add a singlepart geometry to a spatial table with a multipart geometry type.

The ST_Multi function is available for SL >= 2.4.0, so we have to handle it to avoid to get a "no such function" error working on older DBs.

#5 - 2012-12-05 11:07 AM - Giuseppe Sucameli

- *Status changed from In Progress to Closed*

Fixed in changeset commit:"1bde6c58df3ed73e200e98809ab508e6d6b62d38".

Files

clas_226_67_20100724_pol.zip	114 KB	2012-08-27	Etienne Tournigny
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