

QGIS Application - Bug report #10584

Saving as Spatialite fails with "save as" dialog when input is a multi geometry

2014-06-14 04:59 AM - Harry Clarke

Status:	Closed	
Priority:	Severe/Regression	
Assignee:		
Category:	Vectors	
Affected QGIS version:	master	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 18990
Description		
New description:		
<p>When trying to save a multipolygon shapefile to Spatialite using the "save as" dialog the operation fails. Actually the fail is by ogr2ogr. When using ogr2ogr from the command line it is enough to add</p> <pre>-nlt MULTIPOLYGON</pre> <p>option, but in the "save as" dialog is not clear if such option can be added in the "custom options" of the same dialog.</p> <p>The real issue seems that QGIS is not consistent, in fact importing into a Spatialite DB works fine for multigeometry input layers both using the Drag and Drop from the QGIS browser and using the import function of DB manager.</p> <p>It also works ok using the "convert format" tool (based on ogr2ogr) of the processing toolbox (without needed to add manually any parameter).</p> <p>It is not clear to me how that step made into the documentation as the very same issue affects QGIS down to 1.8 included (maybe in an earlier release it was ok).</p> <p>-----</p>		
Old Description:		
<p>On page 7 of the QGIS Training Manual, users are instructed to save the landuse layer as Spatialite. In so doing, the following error was encountered, using the dataset as described in the training manual.</p> <p>Export to vector file failed. Error: Feature write errors: Feature creation error (OGR error: sqlite3_step() failed: landuse.GEOMETRY violates Geometry constraint [geom-type or SRID not allowed] (19)) Only 52 of 53 features written.</p> <p>A file is created in the directory, but nothing is added to the map</p>		
Related issues:		
Related to QGIS Application - Bug report # 11597: XY columns are not exported...	Closed	2014-11-07
Related to QGIS Application - Bug report # 11542: Error when saving a shapefi...	Closed	2014-11-04
Related to QGIS Application - Bug report # 12796: Export Spatialite point lay...	Closed	2015-05-21

Associated revisions

Revision 528c4cac - 2014-10-22 09:27 AM - Jürgen Fischer

vector file writer: assume shapefiles contain multitype data (fixes #10584)

Revision 11c2bae7 - 2014-11-11 10:29 AM - Jürgen Fischer

vector file writer: scan shape file geometries instead of just assuming multi geometry types (followup 528c4cacb, refs #10584, fixes #11542, fixes #11597)

Revision 881e25ba - 2014-11-18 01:41 AM - Jürgen Fischer

vector file writer: scan shape file geometries instead of just assuming multi geometry types (followup 528c4cacb, refs #10584, fixes #11542, fixes #11597)

History

#1 - 2014-06-14 05:05 AM - Giovanni Manghi

- Status changed from Open to Feedback

this one?

<http://docs.qgis.org/2.2/pdf/en/QGIS-2.2-QGISTrainingManual-en.pdf>

#2 - 2014-06-14 05:08 AM - Harry Clarke

Yes

#3 - 2014-06-16 03:56 PM - Giovanni Manghi

Harry Clarke wrote:

| Yes

I cannot confirm in qgis master, can you check please?

#4 - 2014-06-23 07:00 AM - Jürgen Fischer

- Category set to Documentation and Help

#5 - 2014-06-23 07:55 AM - Paolo Cavallini

- Subject changed from Saving SpatialLite fails to Saving SpatiaLite fails

#6 - 2014-10-06 11:48 AM - Giovanni Manghi

- Status changed from Feedback to Closed

- Resolution set to workforme

Closing for lack of feedback.

#7 - 2014-10-15 03:16 AM - Teliph Andersson

- Status changed from Closed to Reopened

Saving a shapefile as spatialite fails for me using:

QGIS version 2.4.0-Chugiak QGIS code revision exported

Compiled against Qt 4.8.6 Running against Qt 4.8.6

Compiled against GDAL/OGR 1.10.1 Running against GDAL/OGR 1.10.1

Compiled against GEOS 3.4.2-CAPI-1.8.2 Running against GEOS 3.4.2-CAPI-1.8.2 r3921

PostgreSQL Client Version 9.4beta2 SpatiaLite Version 4.1.1

QWT Version 6.0.0-svn PROJ.4 Version 480

QScintilla2 Version

Error: Feature creation error (OGR error: sqlite3_step() failed: spatialtest.GEOMETRY violates Geometry constraint [geom-type or SRID not allowed] (19))

Shapefile used: http://www.naturalearthdata.com/http://www.naturalearthdata.com/download/50m/cultural/ne_50m_admin_0_countries.zip

Steps to reproduce:

- Add vector layer
- Save as... Spatialite

#8 - 2014-10-15 03:50 AM - Johannes Kroeger

Reproduced here with:

QGIS version 2.4.0-Chugiak

QGIS code revision fe0a303

Compiled against Qt 4.8.6

Running against Qt 4.8.6

Compiled against GDAL/OGR 1.11.0

Running against GDAL/OGR 1.11.1

Compiled against GEOS 3.4.2-CAPI-1.8.2

Running against GEOS 3.4.2-CAPI-1.8.2 r3921

PostgreSQL Client Version 9.3.5

SpatiaLite Version 4.2.0

QWT Version 6.1.0

PROJ.4 Version 480

QScintilla2 Version 2.8.

#9 - 2014-10-15 06:58 AM - Giovanni Manghi

- Subject changed from Saving SpatiaLite fails to Saving SpatiaLite fails with "save as" dialog when input is a multi geometry
- Affected QGIS version changed from 2.2.0 to master
- Resolution deleted (worksforme)
- OS version deleted (8.1)
- Operating System deleted (Windows)
- Category changed from Documentation and Help to Vectors

#10 - 2014-10-15 07:10 AM - Giovanni Manghi

I added a new description to better describe the issue.

#11 - 2014-10-15 07:41 AM - Giovanni Manghi

- *Subject changed from Saving SpatiaLite fails with "save as" dialog when input is a multi geometry to Saving as SpatiaLite fails with "save as" dialog when input is a multi geometry*
- *Priority changed from Normal to Severe/Regression*

It is more clear now where the problem may come from:

until qgis 1.7.4 saving as "sqlite" (not spatialite, because the option was not available) and adding the custom option

SPATIALITE=YES

worked as expected. Then this option stopped to work (giving an error similar to the one described here or creating a non functional SL db).

This should be tagged as a regression, but given the fact that there are alternatives it will be probably downgraded.

#12 - 2014-10-22 12:32 AM - Jürgen Fischer

- *Status changed from Reopened to Closed*

Fixed in changeset commit:"528c4cacb6beec73252477ea5e921d13741e37d8".