QGIS Application - Bug report #16172
DB-Manager: new GeoPackage tables display wrong values

2017-02-10 01:36 AM - Jérôme Guélat

Status:	Closed		
Priority:	Normal		
Assignee:	Even Rouault		
Category:	DB Manager		
Affected QGIS version:	master	**Regression?:**	No
Operating System:	GNU/Linux	**Easy fix?:**	No
Pull Request or Patch supplied:	No	**Resolution:**	invalid
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	24082

Description

Here's how to reproduce the problem:

1. Open DB-Manager, create a connection with a GeoPackage
2. Create a new table with the SQL command CREATE TABLE foo AS SELECT * FROM bar
3. Re-connect the GeoPackage to see the new table (using refresh doesn't work)
4. Select the new table in DB-Manager and click on the "Table" tab

Wrong values are displayed... However if you add the table to the canvas and open the attribute table, then the correct values will be shown.

History

#1 - 2017-05-01 01:01 AM - Giovanni Manghi

- Easy fix? set to No

- Regression? set to No

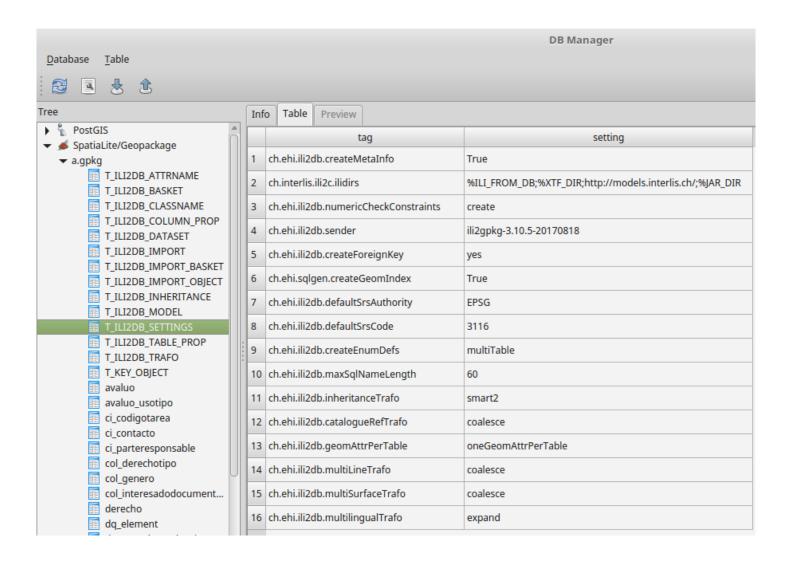**#2 - 2017-09-05 09:14 PM - gcarrillo -**

- File ogrinfo.png added

- Description updated

- File qgis_2_99.png added

- File qgis_2_14_12.png added

I can confirm this issue running on QGIS 2.99 (68909a1).

Showing a table from GeoPackage database works fine in QGIS 2.14.12 (DB Manager) and from ogrinfo. DB Manager in QGIS v2.99 (68909a1) cannot show values properly, and shifts them one column to the left, apparently to make space for an auto-increment field.
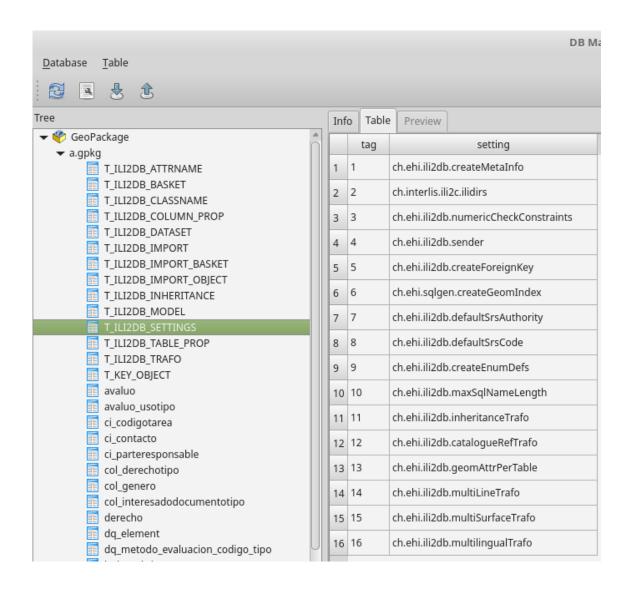
QGIS 2.14.12:

DB Manager

Database   Table

Tree
- PostGIS
- SpatiaLite/Geopackage
  - a.gpkg
    - T_ILI2DB_ATTRNAME
    - T_ILI2DB_BASKET
    - T_ILI2DB_CLASSNAME
    - T_ILI2DB_COLUMN_PROP
    - T_ILI2DB_DATASET
    - T_ILI2DB_IMPORT
    - T_ILI2DB_IMPORT_BASKET
    - T_ILI2DB_IMPORT_OBJECT
    - T_ILI2DB_INHERITANCE
    - T_ILI2DB_MODEL
    - T_ILI2DB_SETTINGS
    - T_ILI2DB_TABLE_PROP
    - T_ILI2DB_TRAFO
    - T_KEY_OBJECT
    - avaluo
    - avaluo_usotipo
    - ci_codigotarea
    - ci_contacto
    - ci_parteresponsable
    - col_derechotipo
    - col_genero
    - col_interesadodocument...
    - derecho
    - dq_element

Info | Table | Preview

	tag	setting
1	ch.ehi.ili2db.createMetaInfo	True
2	ch.interlis.ili2c.ilidirs	%ILI_FROM_DB;%XTF_DIR;http://models.interlis.ch/;%JAR_DIR
3	ch.ehi.ili2db.numericCheckConstraints	create
4	ch.ehi.ili2db.sender	ili2gpkg-3.10.5-20170818
5	ch.ehi.ili2db.createForeignKey	yes
6	ch.ehi.sqlgen.createGeomIndex	True
7	ch.ehi.ili2db.defaultSrsAuthority	EPSG
8	ch.ehi.ili2db.defaultSrsCode	3116
9	ch.ehi.ili2db.createEnumDefs	multiTable
10	ch.ehi.ili2db.maxSqlNameLength	60
11	ch.ehi.ili2db.inheritanceTrafo	smart2
12	ch.ehi.ili2db.catalogueRefTrafo	coalesce
13	ch.ehi.ili2db.geomAttrPerTable	oneGeomAttrPerTable
14	ch.ehi.ili2db.multiLineTrafo	coalesce
15	ch.ehi.ili2db.multiSurfaceTrafo	coalesce
16	ch.ehi.ili2db.multilingualTrafo	expand

QGIS 2.99 (68909a1):

Output of ogrinfo:

```
germap@germap-pc /docs/dev/projectgenerator $ ogrinfo /docs/borrar/gpkg/a.gpkg -sql "SELECT * FROM T_ILI2DB_SETTINGS"
INFO: Open of `/docs/borrar/gpkg/a.gpkg'
      using driver `GPKG' successful.

Layer name: SELECT
Geometry: None
Feature Count: 16
Layer SRS WKT:
(unknown)
tag: String (60.0)
setting: String (255.0)
OGRFeature(SELECT):0
  tag (String) = ch.ehi.ili2db.createMetaInfo
  setting (String) = True

OGRFeature(SELECT):1
  tag (String) = ch.interlis.ili2c.ilidirs
  setting (String) = %ILI_FROM_DB;%XTF_DIR;http://models.interlis.ch/;%JAR_DIR

OGRFeature(SELECT):2
  tag (String) = ch.ehi.ili2db.numericCheckConstraints
  setting (String) = create

OGRFeature(SELECT):3
  tag (String) = ch.ehi.ili2db.sender
  setting (String) = ili2gpkg-3.10.5-20170818

OGRFeature(SELECT):4
  tag (String) = ch.ehi.ili2db.createForeignKey
  setting (String) = yes

OGRFeature(SELECT):5
  tag (String) = ch.ehi.sqlgen.createGeomIndex
  setting (String) = True

OGRFeature(SELECT):6
  tag (String) = ch.ehi.ili2db.defaultSrsAuthority
  setting (String) = EPSG

OGRFeature(SELECT):7
  tag (String) = ch.ehi.ili2db.defaultSrsCode
  setting (String) = 3116
```

#3 - 2017-09-05 09:15 PM - gcarrillo -

- Operating System set to GNU/Linux

- Affected QGIS version changed from 2.18.3 to master

#4 - 2017-11-09 04:31 PM - Even Rouault

- Status changed from Open to Closed

- Resolution set to invalid

I cannot reproduce with master. And actualy this way of creating tables is not supported in GeoPackage with recent GDAL version since non-spatial tables ("attributes" in geopackage parlance) must also be registered in the gpkg_contents system table, otherwise they will be invisible as soon as a properly registered "attributes" table is created

Files

qgis_2_14_12.png	123 KB	2017-09-05		gcarrillo -
qgis_2_99.png	98.3 KB	2017-09-05		gcarrillo -
ogrinfo.png	87.6 KB	2017-09-05		gcarrillo -