

QGIS Application - Bug report #21429

error adding (from QGIS Browser) GeoPackage tile layer with identifier that does not match table name

2019-02-28 04:08 PM - Robert St. John

Status: Open	
Priority: Normal	
Assignee:	
Category: Browser	
Affected QGIS version: 3.6.0	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied:	Resolution:
Crashes QGIS or corrupts data:	Copied to github as #: 29246
Description	
<p>I cannot add a raster layer from a GeoPackage tile table whose name does not match the identifier column value in the gpkg_contents table of the GeoPackage.</p> <p>Steps to reproduce:</p> <ol style="list-style-type: none">1. Right click the <i>GeoPackage</i> node in the <i>Browser</i> panel and select the <i>New Connection...</i> item.2. Browse to a GeoPackage file with the characteristics described above (example attached) and select <i>Open</i>.3. In the <i>Browser</i> panel, expand the newly added node for the GeoPackage connection. A raster layer child node should appear with the raster icon and the same name as the value of the identifier column for gpkg_contents table row for the tile table in the GeoPackage. This will be <i>Wetsaw Test</i> for the attached example GeoPackage.4. Double click the raster layer child node (or right click and select <i>Add Layer to Project</i>).5. QGIS displays an error message at the top of the canvas and a matching error message in the <i>Log Messages</i> panel: <pre>CRITICAL Invalid Layer : GDAL provider Cannot open GDAL dataset GPKG:/path/to/tiles.gpkg:Wetsaw Test: Cannot find table 'Wetsaw Test' in GeoPackage dataset Raster layer Provider is not valid (provider: gdal, URI: GPKG:/path/to/tiles.gpkg:Wetsaw Test</pre> <p>If I simply drag and drop the GeoPackage onto the <i>Layers</i> panel, QGIS adds a raster layer for the GeoPackage name after the GeoPackage file, not the gpkg_contents.identifier column. I am not sure what QGIS does in that interaction if the GeoPackage contains multiple tile and/or feature tables.</p>	

History

#1 - 2019-03-01 10:07 PM - Giovanni Manghi

- Operating System deleted (macOS)
- Category changed from Browser to Data Provider
- Status changed from Open to Feedback

can you see the same message if you gdalinfo the gpkg in your machine?

```
giovanni@sibirica:~/Downloads$ gdalinfo tiles.gpkg
```

Warning 1: Database relies on the 'gpkg_crs_wkt' (http://www.geopackage.org/spec/#extension_crs_wkt) extension that should be implemented in order to read it safely, but is not currently. Some data may be missing while reading that database.

Driver: GPKG/GeoPackage

Files: tiles.gpkg

Size is 979, 939

Coordinate System is:

```
PROJCS["WGS 84 / Pseudo-Mercator",  
  GEOGCS["WGS 84",  
    DATUM["WGS_1984",  
      SPHEROID["WGS 84",6378137,298.257223563,  
        AUTHORITY["EPSG","7030"]],  
      AUTHORITY["EPSG","6326"]],  
    PRIMEM["Greenwich",0,  
      AUTHORITY["EPSG","8901"]],  
    UNIT["degree",0.0174532925199433,  
      AUTHORITY["EPSG","9122"]],  
    AUTHORITY["EPSG","4326"]],  
  PROJECTION["Mercator_1SP"],  
  PARAMETER["central_meridian",0],  
  PARAMETER["scale_factor",1],  
  PARAMETER["false_easting",0],  
  PARAMETER["false_northing",0],  
  UNIT["metre",1,  
    AUTHORITY["EPSG","9001"]],  
  AXIS["X",EAST],  
  AXIS["Y",NORTH],  
  EXTENSION["PROJ4","+proj=merc +a=6378137 +b=6378137 +lat_ts=0.0 +lon_0=0.0 +x_0=0.0 +y_0=0 +k=1.0 +units=m +nadgrids=@null +wktext  
+no_defs"],  
  AUTHORITY["EPSG","3857"]]
```

Origin = (-8537258.699999999254942,4773269.700000000186265)

Pixel Size = (19.109257030487100,-19.109257030487100)

Metadata:

DESCRIPTION=Wetsaw Test: Baltimore area OSM tiles
IDENTIFIER=Wetsaw Test
ZOOM_LEVEL=12

Image Structure Metadata:

INTERLEAVE=PIXEL

Corner Coordinates:

Upper Left (-8537258.700, 4773269.700) (76d41'29.40"W, 39d21'33.48"N)
Lower Left (-8537258.700, 4755326.108) (76d41'29.40"W, 39d14' 4.41"N)
Upper Right (-8518550.737, 4773269.700) (76d31'24.40"W, 39d21'33.48"N)
Lower Right (-8518550.737, 4755326.108) (76d31'24.40"W, 39d14' 4.41"N)
Center (-8527904.719, 4764297.904) (76d36'26.90"W, 39d17'49.05"N)

Band 1 Block=512x512 Type=Byte, ColorInterp=Red

Overviews: 489x469

Mask Flags: PER_DATASET ALPHA

Overviews of mask band: 489x469

Band 2 Block=512x512 Type=Byte, ColorInterp=Green

Overviews: 489x469

Mask Flags: PER_DATASET ALPHA

Overviews of mask band: 489x469

Band 3 Block=512x512 Type=Byte, ColorInterp=Blue

Overviews: 489x469

Mask Flags: PER_DATASET ALPHA

Overviews of mask band: 489x469

Band 4 Block=512x512 Type=Byte, ColorInterp=Alpha

Overviews: 489x469

#2 - 2019-03-01 11:07 PM - Robert St. John

No, gdalinfo seems OK with it.

robertstjohn:wetsaw-out stjohnr> gdalinfo tiles.gpkg

Driver: GPKG/GeoPackage

Files: tiles.gpkg

Size is 979, 939

Coordinate System is:

PROJCS["WGS 84 / Pseudo-Mercator",

GEOGCS["WGS 84",

DATUM["WGS_1984",

SPHEROID["WGS 84",6378137,298.257223563,

AUTHORITY["EPSG","7030"]],

AUTHORITY["EPSG","6326"]],

PRIMEM["Greenwich",0,

AUTHORITY["EPSG","8901"]],

UNIT["degree",0.0174532925199433,

AUTHORITY["EPSG","9122"]],

AUTHORITY["EPSG","4326"]],

PROJECTION["Mercator_1SP"],

PARAMETER["central_meridian",0],

PARAMETER["scale_factor",1],

PARAMETER["false_easting",0],

PARAMETER["false_northing",0],

UNIT["metre",1,

AUTHORITY["EPSG","9001"]],

AXIS["X",EAST],

AXIS["Y",NORTH],

EXTENSION["PROJ4","+proj=merc +a=6378137 +b=6378137 +lat_ts=0.0 +lon_0=0.0 +x_0=0.0 +y_0=0 +k=1.0 +units=m +nadgrids=@null

+wktext +no_defs"],

AUTHORITY["EPSG","3857"]]

Origin = (-8537258.699999999254942,4773269.700000000186265)

Pixel Size = (19.109257030487100,-19.109257030487100)

Metadata:

DESCRIPTION=Wetsaw Test: Baltimore area OSM tiles

IDENTIFIER=Wetsaw Test

ZOOM_LEVEL=12

Image Structure Metadata:

INTERLEAVE=PIXEL

Corner Coordinates:

Upper Left (-8537258.700, 4773269.700) (76d41'29.40"W, 39d21'33.48"N)

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Mask Flags: PER_DATASET ALPHA

Overviews of mask band: 489x469

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Overviews: 489x469

Mask Flags: PER_DATASET ALPHA

Overviews of mask band: 489x469

Band 3 Block=512x512 Type=Byte, ColorInterp=Blue

Overviews: 489x469

Mask Flags: PER_DATASET ALPHA

Overviews of mask band: 489x469

Band 4 Block=512x512 Type=Byte, ColorInterp=Alpha

Overviews: 489x469

#3 - 2019-03-02 09:01 AM - Giovanni Manghi

- Status changed from *Feedback* to *Open*

- Subject changed from *error adding GeoPackage tile layer with identifier that does not match table name* to *error adding (from QGIS Browser)*

GeoPackage tile layer with identifier that does not match table name

- Category changed from *Data Provider* to *Browser*

Files

tiles.gpkg	3.42 MB	2019-02-28	Robert St. John
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