

QGIS Application - Bug report #21958

Problem outputting xyz tiles as MBTiles file

2019-04-30 09:17 AM - Saber Razmjooei

Status: Closed	
Priority: Normal	
Assignee:	
Category: Processing/QGIS	
Affected QGIS version: 3.7(master)	Regression?: No
Operating System:	Easy fix?: No
Pull Request or Patch supplied: Yes	Resolution: fixed/implemented
Crashes QGIS or corrupts data: No	Copied to github as #: 29773

Description

GDAL/OGR: 2.4.0
QGIS: master

I am trying to create an mbtiles file using xyz tile generator. If the output file is not defined (i.e. not pointing to an existing mbtiles file), I get this:

Traceback (most recent call last):
File "/usr/local/src/QGIS_master/build/output/python/plugins/processing/algs/qgis/TilesXYZ.py", line 335, in processAlgorithm
writer = MBTilesWriter(output_file, tile_params, wgs_extent, min_zoom, max_zoom)
File "/usr/local/src/QGIS_master/build/output/python/plugins/processing/algs/qgis/TilesXYZ.py", line 158, in __init__
ds.ExecuteSQL("INSERT INTO metadata(name, value) VALUES ('{}', '{}');".format('minzoom', min_zoom))
AttributeError: 'NoneType' object has no attribute 'ExecuteSQL'
Execution failed after 0.01 seconds

The algorithm creates an empty mbtiles file. When I run gdalinfo, I get this:

ERROR 1: Cannot find min and max zoom_level
gdalinfo failed - unable to open 'OUTPUT_FILE.mbtiles'.

If I point the output file to overwrite an existing mbtiles, I get this error:

Traceback (most recent call last):
File "/usr/local/src/QGIS_master/build/output/python/plugins/processing/algs/qgis/TilesXYZ.py", line 335, in processAlgorithm
writer = MBTilesWriter(output_file, tile_params, wgs_extent, min_zoom, max_zoom)
File "/usr/local/src/QGIS_master/build/output/python/plugins/processing/algs/qgis/TilesXYZ.py", line 154, in __init__
ds = driver.Create(filename, 1, 1, 1, options=['TILE_FORMAT=%s' % tile_format] + options)
File "/usr/lib/python3/dist-packages/osgeo/gdal.py", line 1736, in Create
return _gdal.Driver_Create(self, *args, **kwargs)
RuntimeError
Execution failed after 0.02 seconds

Associated revisions

Revision b1106b9f - 2019-05-03 01:43 PM - Marcel Dancak

[processing] fix #21958 used sqlite3 module instead of GDAL/ORG's SQLite driver

History

#1 - 2019-04-30 09:19 AM - Saber Razmjooei

- *Description updated*

#2 - 2019-04-30 05:19 PM - Peter Petrik

looks more like sqlite issue, which version do you have?

#3 - 2019-04-30 05:20 PM - Saber Razmjooei

3.27.2 2019-02-25 on Ubuntu 19.04

#4 - 2019-05-01 09:32 AM - Saber Razmjooei

On Windows, with qgis master:

3.26.0 2018-12-01

#5 - 2019-05-01 05:48 PM - Giovanni Manghi

- *Category changed from Processing/Core to Processing/QGIS*

#6 - 2019-05-02 10:51 AM - Saber Razmjooei

- *Status changed from Open to In Progress*

- *Assignee set to Nathan Woodrow*

It appears that updating metadata for mbtiles through gdal/ogr sqlite driver is the source of problem. By using python-sqlite3 library, the issue should be resolved hopefully.

#7 - 2019-05-02 09:45 PM - Saber Razmjooei

- *Assignee deleted (Nathan Woodrow)*

- *Pull Request or Patch supplied changed from No to Yes*

#8 - 2019-05-03 01:43 PM - Anonymous

- *Status changed from In Progress to Closed*

- *% Done changed from 0 to 100*

Applied in changeset commit:qgis|b1106b9f1e5f0986c769246e162afbe4d057d813.

#9 - 2019-05-03 01:45 PM - Peter Petrik

- *Resolution set to fixed/implemented*

opened <https://github.com/OSGeo/gdal/issues/1504>