

QGIS Application - Bug report #16730

python error in DB Manager when connecting to a Geopackage datasource

2017-06-20 01:39 PM - Giovanni Manghi

Status:	Closed	
Priority:	Normal	
Assignee:	Even Rouault	
Category:	DB Manager	
Affected QGIS version:	2.18.9	Regression?: No
Operating System:	unspecified	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: fixed/implemented
Crashes QGIS or corrupts data:	No	Copied to github as #: 24629
Description		
<p>It happens that I created (via ogr2ogr) a GPKG file from a KML one.</p> <p>This GPKG file works ok in QGIS when layers are added via the "add vector layer" dialog.</p> <p>In DB Manager the connection to this datasource can be established, but then when expanding it an error is returned.</p> <p>Master and 2.18.9 both affected.</p> <p>UnboundLocalError: local variable 'geomname' referenced before assignment</p> <p>Traceback (most recent call last):</p> <p>File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_model.py", line 440, in rowCount</p> <p>self._refreshIndex(parent, True)</p> <p>File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_model.py", line 491, in _refreshIndex</p> <p>if item.populate():</p> <p>File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_model.py", line 182, in populate</p> <p>tables = database.tables()</p> <p>File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_plugins/plugin.py", line 513, in tables</p> <p>tables = self.connector.getTables(schema.name if schema else None, sys_tables)</p> <p>File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_plugins/gpkg/connector.py", line 275, in getTables</p> <p>vectors = self.getVectorTables(schema)</p> <p>File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_plugins/gpkg/connector.py", line 362, in getVectorTables</p> <p>geomname,</p> <p>UnboundLocalError: local variable 'geomname' referenced before assignment</p>		

History

#1 - 2017-06-21 11:16 AM - Luigi Pirelli

confirmed

#2 - 2017-06-21 11:17 AM - Luigi Pirelli

without much debug I can see that geomname is set only if:

```
if geomtype_flatten == ogr.wkbPoint:
    geomname = 'POINT'
elif geomtype_flatten == ogr.wkbLineString:
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        geomname = 'LINESTRING'
    elif geomtype_flatten == ogr.wkbPolygon:
        geomname = 'POLYGON'
    elif geomtype_flatten == ogr.wkbMultiPoint:
        geomname = 'MULTIPOINT'
    elif geomtype_flatten == ogr.wkbMultiLineString:
        geomname = 'MULTILINESTRING'
    elif geomtype_flatten == ogr.wkbMultiPolygon:
        geomname = 'MULTIPOLYGON'
    elif geomtype_flatten == ogr.wkbGeometryCollection:
        geomname = 'GEOMETRYCOLLECTION'
    if self.gdal2:
        if geomtype_flatten == ogr.wkbCircularString:
            geomname = 'CIRCULARSTRING'
        elif geomtype_flatten == ogr.wkbCompoundCurve:
            geomname = 'COMPOUNDCURVE'
        elif geomtype_flatten == ogr.wkbCurvePolygon:
            geomname = 'CURVEPOLYGON'
        elif geomtype_flatten == ogr.wkbMultiCurve:
            geomname = 'MULTICURVE'
        elif geomtype_flatten == ogr.wkbMultiSurface:
            geomname = 'MULTISURFACE'

```

=> only for tables with geom => should generate error in case geom is not defined as for some table in the test db. I'll give more investigation later

#3 - 2017-06-21 11:22 AM - Luigi Pirelli

btw tables should be managed by

https://issues.qgis.org/projects/qgis/repository/revisions/8c7ca625cce39a6d38dd808f22d625cdeb79ebca/entry/python/plugins/db_manager/db_plugins/pkg/connector.py#L350 so, the problem is generated from another point of from the nature of the generated gpkg

#4 - 2017-06-21 02:00 PM - Luigi Pirelli

the layer that fail is: "Zagros, Elam, and Iran" (the first encountered in the GDAL GetLayers)

the

geomtype = 0 (wkbUnknown) but it should be Polygon or Point

#5 - 2017-06-21 02:16 PM - Even Rouault

- Assignee set to Even Rouault

#6 - 2017-06-21 02:21 PM - Even Rouault

- Resolution set to fixed/implemented

Fixed per commit:2fb0b16364122badf1b797c77bb89cc1eddfcfe / commit:6cfd1a0f51251691e46741fef519ca6eace11405

The layers are indeed loosely typed regarding their geometry types. The reason is that KML itself is loosely typed. And in that example, a few layers have different geometry types (POINT and POLYGON)

#7 - 2017-06-21 02:24 PM - Luigi Pirelli

@even make it sense to use a custom code instead of using directly Dataprovider qgis api that seems they work manageing gpkg?

#8 - 2017-07-11 01:17 PM - Jürgen Fischer

- Description updated

#9 - 2017-11-09 03:32 PM - Even Rouault

- Status changed from Open to Closed

Files

test.gpkg	4.51 MB	2017-06-20	Giovanni Manghi
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