

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		
It happens that I created (via ogr2ogr) a GPKG file from a KML one. This GPKG file works ok in QGIS when layers are added via the "add vector layer" dialog. In DB Manager the connection to this datasource can be established, but then when expanding it an error is returned. Master and 2.18.9 both affected. UnboundLocalError: local variable 'geomname' referenced before assignment Traceback (most recent call last): File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_model.py", line 440, in rowCount self._refreshIndex(parent, True) File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_model.py", line 491, in _refreshIndex if item.populate(): File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_model.py", line 182, in populate tables = database.tables() File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_plugins/plugin.py", line 513, in tables tables = self.connector.getTables(schema.name if schema else None, sys_tables) File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_plugins/gpkg/connector.py", line 275, in getTables vectors = self.getVectorTables(schema) File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins/db_manager/db_plugins/gpkg/connector.py", line 362, in getVectorTables geomname, UnboundLocalError: local variable 'geomname' referenced before assignment		

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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