

QGIS Application - Bug report #18976

DB Manager Import Layer / File Extremely Slow

2018-05-17 05:42 PM - Sean Wohltman

Status: Closed	
Priority: High	
Assignee: Even Rouault	
Category: DB Manager	
Affected QGIS version: 3.0.2	Regression?: No
Operating System: OSX	Easy fix?: No
Pull Request or Patch Applied: No	Resolution:
Crashes QGIS or corrupts data: No	Copied to github as #: 26807

Description

When using DB Manager to load a shapefile (http://nigin.state.nj.us/download2/parcels/parcels_shp_Monmouth.zip) to a PostGIS Database on OSX, QGIS becomes unresponsive and it takes hours to load the data.

It does eventually finish, but this should not take hours.

The same data loads in a around a minute using ogr2ogr directly:

```
/Library/Frameworks/GDAL.framework/Versions/2.1/Programs/ogr2ogr -overwrite -lco "SCHEMA=public" -f "PostgreSQL" PG:"dbname='gis' host='localhost' port='5432' user='postgres' password='xxxxxxx'" -nlt PROMOTE_TO_MULTI -nln monmouthcountyparcels3 MonmouthCountyParcels2.shp
```

This occurs on:

QGIS version

3.0.2-Girona

QGIS code branch

Release 3.0

Compiled against Qt

5.9.3

Running against Qt

5.9.3

Compiled against GDAL/OGR

2.2.4

Running against GDAL/OGR

2.2.4

Compiled against GEOS

3.6.2-CAPI-1.10.2

Running against GEOS

3.6.2-CAPI-1.10.2 4d2925d6

PostgreSQL Client Version

9.6.6

Spatialite Version

4.4.0-RC0

QWT Version

6.1.3

QScintilla2 Version

2.10.3

PROJ.4 Version

493

AND:

QGIS version

2.18.15

QGIS code branch

Release 2.18

Compiled against Qt

4.8.6

Running against Qt

4.8.6

Compiled against GDAL/OGR

2.1.3

Running against GDAL/OGR

2.1.3

Compiled against GEOS

3.6.2-CAPI-1.10.2

Running against GEOS

3.6.1-CAPI-1.10.1 r0

PostgreSQL Client Version

9.3.4

Spatialite Version

4.3.0a

QWT Version

6.1.3

PROJ.4 Version

492

QScintilla2 Version

2.9.3

Associated revisions

Revision cc25727a - 2018-06-01 10:31 PM - Even Rouault

[Postgres provider] Speed up feature insertion when pkid column is not set (fixes #18976)

When inserting features whose attribute column corresponding to the pkid is empty, and that this pkid column has a default value using a sequence, then we can remove it from the INSERT statement completely, which saves us from doing a SELECT nextval(...) for each row. On the provided test case of that ticket, on a debug build, this cuts down the insertion time from 5 minutes to 1 minute 10s.

Revision 7e2ca8f6 - 2018-06-02 11:27 AM - Even Rouault

Merge pull request #7144 from rouault/fix_18976

[Postgres provider] Speed up feature insertion when pkid column is not set (fixes #18976)

History

#1 - 2018-06-01 10:37 PM - Even Rouault

- Assignee set to Even Rouault

PR <https://github.com/qgis/QGIS/pull/7144> submitted

#2 - 2018-06-02 11:27 AM - Even Rouault

- *% Done changed from 0 to 100*
- *Status changed from Open to Closed*

Applied in changeset commit:qgis|cc25727a1804bbbf1df07b6fdfa315b7ab33f8ef.