

## QGIS Application - Bug report #18976

### DB Manager Import Layer / File Extremely Slow

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

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>	Even Rouault	
<b>Category:</b>	DB Manager	
<b>Affected QGIS version:</b>	3.0.2	<b>Regression?:</b> No
<b>Operating System:</b>	OSX	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 26807
<b>Description</b>		
<p>When using DB Manager to load a shapefile ( <a href="http://nigin.state.nj.us/download2/parcels/parcels_shp_Monmouth.zip">http://nigin.state.nj.us/download2/parcels/parcels_shp_Monmouth.zip</a> ) to a PostGIS Database on OSX, QGIS becomes unresponsive and it takes hours to load the data.</p> <p>It does eventually finish, but this should not take hours.</p> <p>The same data loads in a around a minute using ogr2ogr directly:</p> <pre>/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</pre> <p>This occurs on:</p> <p>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</p>		

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 tat this pkid column has a default value using a sequence, then we can remove it from the INSERT statement completely, which save 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.