QGIS Application - Bug report #17387
MSSQL provider fails to load UNIQUEIDENTIFIER fields

2017-11-02 03:55 PM - Kristian Thy

Status:	Closed		
Priority:	Normal		
Assignee:			
Category:	Data Provider/MSSQL		
Affected QGIS version:	master	**Regression?:**	No
Operating System:	Windows 8.1	**Easy fix?:**	No
Pull Request or Patch supplied:	Yes	**Resolution:**	
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	25284

Description

Experienced in **QGIS 2.18.12, 2.18.14** on Windows 8.1. (Code still present in master branch, but 2.99 crashes before I reach it, apparently due to an unrelated issue.)

I'm trying to load a layer from MSSQL into PostgreSQL using the DB Manager plugin (following the recipe at https://gis.stackexchange.com/a/200594/10741) but I receive this error for each row:

    Error 7
    Feature write errors:
    Creation error for features from #0 to #0. Provider errors was:
    PostGIS error while adding features: ERROR: value too long for type character varying(16)

Source code investigation leads me to believe that this is caused by the MSSQL provider treating the UNIQUEIDENTIFIER datatype as a QVariant::String. Problem is that MSSQL reports the length of this datatype as 16, which is the byte size of a GUID. When converted to a string, the length is actually 36 characters, so the error I'm seeing is likely caused by trying to cram a 36 character string into a field 16 characters wide.

Luckily, MSSQL reports the size of the datatype in the precision field also returned by exec sp_columns. My hunch is that the issue can thus be resolved by the attached patch to src/providers/mssql/qgsmssqlprovider.cpp. Unfortunately I can't build QGIS on Windows myself, so I have not tested the patch.

Associated revisions

Revision 320bda01 - 2017-11-13 02:09 AM - Kristian Thy

[bugfix] Issue #17387: MSSQL provider fails to load UNIQUEIDENTIFIER fields (#5521)

  - Fix #17387: MSSQL provider fails to load UNIQUEIDENTIFIER fields

History

#1 - 2017-11-02 03:56 PM - Giovanni Manghi

- Status changed from Open to Feedback

Better submit the patch as a pull request on github, otherwise here it won't be noticed/reviewed.

#2 - 2017-11-02 03:58 PM - Kristian Thy

Giovanni Manghi wrote:

> *Better submit the patch as a pull request on github, otherwise here it won't be noticed/reviewed.*

Will do later tonight.

#3 - 2017-11-03 02:15 PM - Kristian Thy

- Status changed from Feedback to Open

Submitted as PR 5521.

https://github.com/qgis/QGIS/pull/5521

#4 - 2017-11-13 02:09 AM - Kristian Thy

- % Done changed from 0 to 100

- Status changed from Open to Closed

Applied in changeset commit:qgis|320bda01f40be5dae9b76a17390e3369b7d11211.

Files

qgsmssqlprovider.cpp.patch	605 Bytes	2017-11-02	Kristian Thy