

## QGIS Application - Bug report #17387

### MSSQL provider fails to load UNIQUEIDENTIFIER fields

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

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Data Provider/MSSQL	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>	Windows 8.1	<b>Easy fix?:</b> No
<b>Pull Request or Patch applied:</b>	Yes	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 25284
<b>Description</b>		
<p>Experienced in <b>QGIS 2.18.12, 2.18.14</b> on Windows 8.1. (Code still present in master branch, but 2.99 crashes before I reach it, apparently due to an unrelated issue.)</p> <p>I'm trying to load a layer from MSSQL into PostgreSQL using the DB Manager plugin (following the recipe at <a href="https://gis.stackexchange.com/a/200594/10741">https://gis.stackexchange.com/a/200594/10741</a>) but I receive this error for each row:</p> <p>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)</p> <p>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.</p> <p>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.</p>		

#### 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
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