# QGIS Application - Bug report #16247
# mssql data provider: filtering layer doesn't work

2017-02-28 05:58 AM - Thomas Schneider

| | | | | |
|---|---|---|---|---|
| **Status:** | Closed | | | |
| **Priority:** | Normal | | | |
| **Assignee:** | | | | |
| **Category:** | Data Provider/MSSQL | | | |
| **Affected QGIS version:** | 2.14.12 | **Regression?:** | No | |
| **Operating System:** | Windows | **Easy fix?:** | No | |
| **Pull Request or Patch supplied:** | No | **Resolution:** | worksforme | |
| **Crashes QGIS or corrupts data:** | No | **Copied to github as #:** | 24157 | |

## Description

Hallo,

MSSQL Layers cannot be filtered at least in QGIS version 2.14. To reproduce: I added a point table (geometry data type, SQL Server 2014). Table has a primary key column (bigint, Not NULL). It was added properly.
When I apply a filter to the layer an error message returned: "Ein Fehler trat beim Ausführen der Abfrage auf. Der Datenanbieter meldet:" (~"An error occurred while running the query. The data provider reports"). There are no error detail shown. See attached screenshot.

## History

#### #1 - 2017-03-09 09:59 AM - Andre Jesus

Tested with 2.14.12 and 2.18.4 using MSSQL 2008 R2 and MSSQL 2016

The filter worked properly.

#### #2 - 2017-03-09 11:57 AM - Giovanni Manghi

- *Category set to Data Provider/MSSQL*
- *Status changed from Open to Feedback*

> *The filter worked properly.*

do you remember when? 2.8?

#### #3 - 2017-03-09 12:15 PM - Thomas Schneider

I am using QGIS 2.14.12 and SQL Server 2014.

#### #4 - 2017-03-09 12:24 PM - Giovanni Manghi

sorry for the question: is there any way I can get a "test" copy/installer of mssql server with spatial support (I know nothing about it)?

#### #5 - 2017-03-09 01:38 PM - Thomas Schneider

You need to install SQL Server Express with Tools. A link to the setup in Microsoft download center:

https://www.microsoft.com/en-us/download/details.aspx?id=42299

I recommend to download the version "Express with Tools" that includes SQL Server Mangement Studio. After setup, start Management Studio, connect to the server (please take a note of your server name, you need it later) and create a new database.

If it will help, I can post some SQL to create some test tables in the Database. However, a simple solution is to use ogr2ogr to connect to the server and import a shape file. Here a command (broken up into several lines, please concatenate) to import a shape file (epsg:4326) as geometry table to SQL Server

```
ogr2ogr
-f "MSSQLSpatial" "MSSQL:server=[server name];database=[database name];trusted_connection=yes"
"Path/to/Shape File/Raster/myshapefile.shp"
-s_srs "EPSG:4326"
-t_srs "EPSG:4326"
-overwrite
-lco "GEOM_TYPE=geometry"
-lco "GEOM_NAME=geo4326"
```

Replace [server name] with your server name eg. MYCOMPUTER/SQLEXPRESS, that you have noted when you connect with Management Studio before, and [database name] with the name of the database you have created before.

Hope that help to create a test environment.


**#6 - 2017-03-10 06:46 AM - Andre Jesus**

Giovanni Manghi wrote:

> *do you remember when? 2.8?*

I didn't understand.

@Thomas Schneider
How is your usage with MSSQL layers?
I get constant Force Close.


**#7 - 2017-03-10 07:04 AM - Giovanni Manghi**

Andre Jesus wrote:

> *Giovanni Manghi wrote:*
>
> > *do you remember when? 2.8?*
>
> *I didn't understand.*

forget, I misunderstand your statement.


**#8 - 2017-03-10 09:26 AM - Thomas Schneider**

> *@Thomas Schneider*
> *How is your usage with MSSQL layers?*
> *I get constant Force Close.*

Sorry, I didn't understand your question - can you be so kind and give me further details?

**#9 - 2017-03-10 09:43 AM - Giovanni Manghi**

Thomas Schneider wrote:

> *@Thomas Schneider*
> *How is your usage with MSSQL layers?*
> *I get constant Force Close.*
>
> *Sorry, I didn't understand your question - can you be so kind and give me further details?*

there is another ticket where is reported that working with msql layers/projects leads to several crashes. We are looking for confirmations from other mssql users.

**#10 - 2017-04-29 11:05 AM - Giovanni Manghi**

*- Resolution set to worksforme*

*- Status changed from Feedback to Closed*

Got finally a copy of MSSQL server and tried tthis. Used ogr2ogr to load a bunch of OSM data, no problems with filtering using QGIS 2.18.7, which anyway is what should be tested/used now as it will be soon the next LTR.

## Files

| | | | |
|---|---|---|---|
| QGIS_mssql_filter_issue.jpg | 147 KB | 2017-02-28 | Thomas Schneider |