

QGIS Application - Bug report #17423

QGIS select by expression mismatch with MSSQL layers

2017-11-08 02:00 PM - Solution s

| | |
|---|---------------------------------------|
| Status: Closed | |
| Priority: Normal | |
| Assignee: | |
| Category: Data Provider/MSSQL | |
| Affected QGIS version: 2.18.14 | Regression?: No |
| Operating System: Windows 7 Enterprise - 32 bit | Easy fix?: No |
| Pull Request or Patch supplied: | Resolution: no timely feedback |
| Crashes QGIS or corrupts data: | Copied to github as #: 25320 |
| Description | |
| <p>When trying to select features using "select by expression", QGIS did select a wrong feature in this case. I tried on two different days, same result (so I have restarted the PC and QGIS).</p> <p>What i did was:</p> <ol style="list-style-type: none">1. Load a layer and select it to use select by expression2. Made sure that no features are selected in any layer3. Clicked the select by expression button from the toolbar4. Put in a very simple criteria: "matrikelnummer" = '10æ'5. Clicked select/vælg (see Screenshot_1.png)6. In Screenshot_2.png you can see which features QGIS selected in the opened attribute table. As you can see, feature with ID = 8337 (or just line 43) is selected. This should not be selected, because '10æ' != '10an'<ol style="list-style-type: none">1. Instead it should have selected line 24 (ID = 8339), because as you can see that have '10æ' as the "matrikelnummer"7. I also tried to resize the window to see if it was a graphical glitch, no luck. <p>Interestingly, the layer filter is able to select/filter the correct features.</p> <p>What i did to further test expressions was:</p> <ol style="list-style-type: none">1. Deselect all features2. Opened up the layer's filter and tested the expression. Correctly returned 2 rows as you can see on Screenshot_3.png3. Applied the filter and opened the attribute table. As you can see on Screenshot_4.png the correct features is viewed. <p>Some information about the layer:</p> <ul style="list-style-type: none">- The layer is called Hovedejer matrikel- MSSQL spatial data provider- srid=25832- Polygon (WKB type: "Polygon")- (MyGeom)- character encoding information not available, but since æ, ø, å is displayed correctly, I would guess that it's one that follows this standard: https://en.wikipedia.org/wiki/ISO/IEC_8859-1#Similar_character_sets- Interestingly nothing is shown in the layer properties window under "Data Source Encoding", and I'm not able to select any option (there is none).- I think the layer is provided by a Microsoft server | |

History

#1 - 2017-11-08 02:07 PM - Solution s

Additional layer/field information:

The field "matrikelnummer" type is QString and typename is varchar. Max length 40, precision 0.

#2 - 2017-11-08 02:45 PM - Giovanni Manghi

- Status changed from Open to Feedback

Does it happens for other providers (like PostGIS) or datasources? Can you test on a more recent release? Thanks.

#3 - 2017-11-08 02:55 PM - Solution s

Works fine on this layer:

- PostgreSQL database with PostGIS extension
- key='gid'
- srid=25832
- type=MultiPolygon

I will try as soon as I get my administrator to update QGIS.

#4 - 2017-11-08 03:29 PM - Giovanni Manghi

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

#5 - 2017-11-09 03:30 PM - Giovanni Manghi

- Subject changed from QGIS select by expression mismatch to QGIS select by expression mismatch with MSSQL layers

#6 - 2017-11-10 10:34 AM - Solution s

I uninstalled QGIS 2.18.11 and installed 2.18.14.

I can reproduce the issue on 2.18.14.

#7 - 2017-11-13 11:00 AM - Giovanni Manghi

- Affected QGIS version changed from 2.18.11 to 2.18.14

#8 - 2018-10-02 10:37 PM - Nyal Dawson

- Status changed from Open to Feedback

Can you provide a SQL dump of part of this layer?

#9 - 2019-01-21 12:34 AM - Jürgen Fischer

Please test with QGIS 3.4 - QGIS 2.18 reached it's end of life.

#10 - 2019-02-24 10:51 AM - Giovanni Manghi

- Resolution set to no timely feedback
- Status changed from Feedback to Closed

Files

| | | | |
|------------------|---------|------------|------------|
| Screenshot_1.png | 61 KB | 2017-11-08 | Solution s |
| Screenshot_2.png | 174 KB | 2017-11-08 | Solution s |
| Screenshot_3.png | 68.2 KB | 2017-11-08 | Solution s |
| Screenshot_4.png | 31.2 KB | 2017-11-08 | Solution s |