

## QGIS Application - Bug report #9139

### Relations do not work on MSSQL layers

2013-11-29 03:35 AM - Tudor Bărăscu

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------|
| <b>Status:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Closed              |                                     |
| <b>Priority:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Normal              |                                     |
| <b>Assignee:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Nathan Woodrow      |                                     |
| <b>Category:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Data Provider/MSSQL |                                     |
| <b>Affected QGIS version:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | master              | <b>Regression?:</b> No              |
| <b>Operating System:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                     | <b>Easy fix?:</b> No                |
| <b>Pull Request or Patch supplied:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                     | <b>Resolution:</b>                  |
| <b>Crashes QGIS or corrupts data:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                     | <b>Copied to github as #:</b> 17774 |
| <b>Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                     |                                     |
| <p>I have tested relations (<a href="http://blog.vitu.ch/10112013-1201/qgis-relations">http://blog.vitu.ch/10112013-1201/qgis-relations</a>) with postgis, sqlite, shapefiles and MSSQL layers. The relations using MSSQL Server tables don't work. I tested having a child table from SQL Server 2005 and 2012, both express editions. The functionality of assigning children seems to work, but when clicking on the parent feature it doesn't show any children (although they exist).</p> |                     |                                     |

#### Associated revisions

Revision 9e67d7a6 - 2014-05-21 02:16 AM - Nathan Woodrow

Fix #9139 - Don't crash on MSSQL relations

#### History

#1 - 2013-11-29 04:07 AM - Matthias Kuhn

- Affected QGIS version changed from 2.0.1 to master

What type do the foreign key / primary key columns have?

#2 - 2013-11-29 04:07 AM - Matthias Kuhn

- Status changed from Open to Feedback

#3 - 2013-11-29 05:45 AM - Tudor Bărăscu

The foreign key/primary key columns have integer type.

Parent table: postgis vector layer from (id serial PKEY, ...)

Newly created child table from sql server (id integer PKEY, **id\_master** integer, ...).

The id\_master column in the child references id column in the parent table.

All the best,

#4 - 2013-11-29 06:13 AM - Matthias Kuhn

Can you open a form with embedded table and check the output (on a terminal. I think on windows you will have to use DebugView? [1] ) for a line like this:

src\core\qgsrelation.cpp: 177: (getRelatedFeaturesRequest) Filter conditions: "base" = 4'

the part "base" = 4 will of course be different for you

[1] <http://technet.microsoft.com/en-us/sysinternals/bb896647.aspx>

#### #5 - 2013-11-30 10:38 AM - Tudor Bărașcu

Hi Matthias,

Thank you for your quick reply.

Please find below the capture.

```
[6188] ..\..\..\..\src\core\qgsrelation.cpp(177) : (QgsRelation::getRelatedFeaturesRequest) Filter conditions: "FID_MASTER" = 20'
[6188] ..\..\..\..\src\gui\attributetable\qgsattributetablemodel.cpp(39) : (QgsAttributeTableModel::QgsAttributeTableModel) entered.
[6188] ..\..\..\..\src\gui\attributetable\qgsattributetablemodel.cpp(332) : (QgsAttributeTableModel::loadLayer) entered.
[6188] ..\..\..\..\src\providers\mssql\qgsmssqlfeatureiterator.cpp(251) : (QgsMssqlFeatureIterator::rewind) [Microsoft][ODBC SQL Server
Driver][SQL Server]An object or column name is missing or empty. For SELECT INTO statements, verify each column has a name. For other statements,
look for empty alias names. Aliases defined as "" or [] are not allowed. Change the alias to a valid name. [Microsoft][ODBC SQL Server Driver][SQL
Server]Incorrect syntax near '.'. QODBC3: Unable to execute statement
[6188] ..\..\..\..\src\providers\mssql\qgsmssqlfeatureiterator.cpp(198) : (QgsMssqlFeatureIterator::fetchFeature) Read attempt on inactive query
[6188] ..\..\..\..\src\providers\mssql\qgsmssqlfeatureiterator.cpp(267) : (QgsMssqlFeatureIterator::close) QgsMssqlFeatureIterator::close on
inactive query
[6188] ..\..\..\..\src\gui\qgscollapsiblegroupbox.cpp(112) : (QgsCollapsibleGroupBoxBasic::showEvent) found a QScrollArea parent:
[6188] ..\..\..\..\src\gui\qgscollapsiblegroupbox.cpp(373) : (QgsCollapsibleGroupBoxBasic::updateStyle) groupbox: QgsRelationEditorWidgetBase
style: plastique offset: left=0 top=2 top2=1
```

Regards,

Tudor

#### #6 - 2013-12-03 01:00 AM - Matthias Kuhn

- Category changed from Browser to Data Provider/MSSQL

- Assignee changed from Matthias Kuhn to Tamas Szekeres

It looks like a MSSQL provider issue. I don't have an MSSQL server to experiment with. Let's hope somebody with this possibility steps in.

#### #7 - 2014-05-20 02:46 PM - Nathan Woodrow

- Assignee changed from Tamas Szekeres to Nathan Woodrow

I will have a look into this.

#### #8 - 2014-05-20 05:24 PM - Anonymous

- Status changed from Feedback to Closed

Fixed in changeset commit:"9e67d7a6340616b7ab8719f621d54bf3d0bf02a3".

