

QGIS Application - Bug report #10615

MSSQL table attributes are not correct in qgis

2014-06-18 12:01 AM - matt veenstra

Status: Closed	
Priority: Normal	
Assignee:	
Category: Data Provider/MSSQL	
Affected QGIS version: 2.2.0	Regression?: No
Operating System: windows	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: invalid
Crashes QGIS or corrupts data: No	Copied to github as #: 19019

Description

For MSSQL 2008 R2 point feature layer; the attribute values displayed in QGIS 2.2 are not correct.

My MSSQL table is defined as:

```
x(decimal(18,6), null)
```

```
y(decimal(18,6), null)
```

```
z(varchar(50), null)
```

```
geom(geometry,null)
```

where x and y contain the latitude and longitude.

Geometry column created and populated as follows:

```
ALTER TABLE [table]
```

```
ADD geom geometry
```

```
GO
```

```
UPDATE [table]
```

```
SET geom = geometry::Point(x,y,4326)
```

History

#1 - 2014-06-18 12:16 AM - Nathan Woodrow

What isn't correct?

Have you tested master because I have changed some stuff since 2.2.

#2 - 2014-06-18 11:13 PM - matt veenstra

The attributes in sql server are as follows:

```
z x y
```

```
a -122.347123 47.569034
```

```
b -122.346273 47.590282
```

```
c -122.357531 47.586916
```

```
d -122.358341 47.575575
```

```
e -122.360000 47.600000
```

The attributes table in qgis shows:

```
z x y
```

```
e -122.360000 47.6000000
```

e -122.360000 47.6000000
e -122.360000 47.6000000
e -122.360000 47.6000000
e -122.360000 47.6000000

When using the identify features tool, clicking on each point displays the following same attributes for each point:

a, -122.347123, 47.569034

The locations of the points are correct.

If I save the layer to a .csv file, the values in the csv file are correct.

I haven't had a chance to try qgis master.

#3 - 2014-06-19 12:15 AM - Jan Lippmann

Do you use a primary key column in the table?

Can you send the create statements for the table or a complete mssql server bak backupfile? So that i could test.

#4 - 2014-06-19 06:52 PM - matt veenstra

- *File test1.bak added*

I did not use a primary key because I was just trying a quick and dirty trial...

Adding a primary key results in qgis displaying the correct attribute values.

I understand that not having a primary key is not acceptable database design; however, I didn't expect the resulting behavior in Qgis... I suggest either not allowing connecting to tables that do not have a primary key or provide a message window warning similar to "unexpected behavior can result from tables that do not have a primary key".

For what it's worth, I attached backup file with tables test_1 (no primary key) and test_3 (with a primary key).

Thanks.

#5 - 2014-06-19 06:56 PM - Nathan Woodrow

We need a primary key because everything is done using the ID in QGIS. SQL Server doesn't provide a auto id for us so we have to hope that it's set. If it's not set we fall back to using a int column but it must be unique or else we can't follow what is going on.

A pain I know, would be a lot better if there was just a ROWID column we always knew was there as a fall back.

#6 - 2014-06-28 07:36 AM - Jürgen Fischer

- *Target version changed from Version 2.2 to Future Release - Lower Priority*

#7 - 2015-06-18 12:10 AM - Nathan Woodrow

- *Resolution set to invalid*

- *Status changed from Open to Closed*

As of 2.8 having a unique key column is now enforced to stop this from happening. I will be adding better error messages in the future.

Files

test1.bak	2.79 MB	2014-06-19	matt veenstra
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