QGIS Application - Bug report #11809
Datatype of computed columns falls back to text

2014-12-08 05:58 AM - Samuel Ingarfield

Status:	Closed			
Priority:	Normal			
Assignee:				
Category:	Data Provider/SpatiaLite			
Affected QGIS version:master		**Regression?:**	No	
Operating System:		**Easy fix?:**	No	
Pull Request or Patch supplied:		**Resolution:**	end of life	
Crashes QGIS or corrupts data:		**Copied to github as #:**	20033	

Description

When loading SpatiaLite layers, types of computed columns are incorrect. For example, consider a table with an integer id column. A layer is added with the following SQL expression:

SELECT id, MAX(id) AS max_id, geom FROM the_table

On examining the column datatypes in Layer Properties -> Fields, field id is integer type, but max_id is TEXT.

Further, explicitly casting the datatype doesn't work either. ie.

SELECT id, CAST(MAX(id) AS INTEGER), geom AS max_id FROM the_table

returns exactly the same datatypes.

This bug makes it impossible to apply (for example) graduated styles to the layer based on the computed column.

Related issues:

Duplicated by QGIS Application - Bug report # 12225: symbology size scale fie...	**Closed**	**2015-02-18**

History

#1 - 2014-12-08 03:55 PM - Giovanni Manghi

- Category changed from Data Provider/SpatiaLite to DB Manager

- Status changed from Open to Feedback

- Priority changed from High to Normal

I believe do you refer to the "load as new layer" function of DB Manager, correct?

#2 - 2014-12-08 11:33 PM - Samuel Ingarfield

This happens both when

a) Using the 'Load as New Layer' function of DB Manager; and

b) Adding layer through Python (using QgsVectorLayer)

#3 - 2014-12-09 01:02 AM - Samuel Ingarfield

Note that I have also just reproduced this on Linux (latest nightly) so we're not dealing with some weird windows only issue.

#4 - 2014-12-09 01:10 AM - Giovanni Manghi

- OS version deleted (7)

- Category changed from DB Manager to Data Provider/SpatiaLite

- Operating System deleted (Windows)

Samuel Ingarfield wrote:

> *This happens both when*
> *a) Using the 'Load as New Layer' function of DB Manager; and*
> *b) Adding layer through Python (using QgsVectorLayer)*

did it happen in previous qgis releases?

#5 - 2014-12-09 01:42 AM - Samuel Ingarfield

Yep, I've just now reproduced this behaviour in 2.6.1

#6 - 2014-12-09 03:11 AM - Matthias Kuhn

Can you provide the python code you use and a test dataset?

#7 - 2014-12-09 03:28 AM - Giovanni Manghi

Samuel Ingarfield wrote:

> *Yep, I've just now reproduced this behaviour in 2.6.1*

the import bit here (to say if it is a regression or not) is if it the bug was present in older qgis releases (2.4/2.2/2.0.1/1.8).

#8 - 2014-12-09 03:33 AM - Samuel Ingarfield
- File the_database.sqlite added
- File code.py added

Matthias Kuhn wrote:

> *Can you provide the python code you use and a test dataset?*

See attached.

Giovanni Manghi wrote:

> *the import bit here (to say if it is a regression or not) is if it the bug was present in older qgis releases (2.4/2.2/2.0.1/1.8).*

Will test in an earlier version this afternoon.

#9 - 2014-12-09 04:24 AM - Samuel Ingarfield

Have just now tested in 2.2 and 2.4, am experiencing the same behaviour in both versions.

#10 - 2014-12-09 10:09 AM - Giovanni Manghi

- Status changed from Feedback to Open

Samuel Ingarfield wrote:

> *Have just now tested in 2.2 and 2.4, am experiencing the same behaviour in both versions.*

so it does not seems a regression.

#11 - 2017-05-01 01:07 AM - Giovanni Manghi

- Easy fix? set to No

- Regression? set to No

#12 - 2019-03-09 04:09 PM - Giovanni Manghi

- Status changed from Open to Closed

- Resolution set to end of life

End of life notice: QGIS 2.18 LTR

Source:

http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/

Files

the_database.sqlite	4.21 MB	2014-12-09	Samuel Ingarfield
code.py	311 Bytes	2014-12-09	Samuel Ingarfield