QGIS Application - Bug report #17878
QGIS 3 Vector Layer Fields Garbled when Clicking the Toggle Editing Icon

2018-01-17 10:18 PM - Calvin Hamilton

Status:	Closed		
Priority:	High		
Assignee:	Alessandro Pasotti		
Category:	Attribute table		
Affected QGIS version:	master	**Regression?:**	No
Operating System:	Windows 7, Linux	**Easy fix?:**	No
Pull Request or Patch supplied:	Yes	**Resolution:**	fixed/implemented
Crashes QGIS or corrupts data:	No	**Copied to github as #:**	25773

Description

QGIS Version: 2.99.0-268

Attached is a sample geopackage file. Load the file into QGIS. Open the Attribute Table. Now click on the "Toggle Editing" toolbar icon. Watch the attribute table. For me, the first entry immediately becomes garbled. See the before and after images.

Related issues:

Related to QGIS Application - Bug report # 17861: SQLite REAL numbers display...	**Closed**	**2018-01-15**

Associated revisions

Revision ab607ce3 - 2018-01-27 08:52 AM - Alessandro Pasotti

[bugfix] Fix minimum values for range widgets

Fixes #17878 QGIS 3 Vector Layer Fields Garbled when Clicking the Toggle Editing Icon

Revision c50e1bff - 2018-01-29 06:37 PM - Alessandro Pasotti

[bugfix] Allow precision config for doubles in range widget

Fixes #17878 followup for PR https://github.com/qgis/QGIS/pull/6185

This commit adds a configuration option for precision to
double field types in range widget.

History

#1 - 2018-01-19 08:36 AM - Jérôme Guélat

I can confirm this issue. And it looks like a regression since it's not happening with QGIS 2.18.15...

#2 - 2018-01-25 05:28 PM - Tom Chadwin

Confirmed in commit:c91e33d332. Exiting layer edit without saving changes restores the row.

Interestingly, if you then enable editing again (without having closed the attribute table), the corruption does **not** occur.

#3 - 2018-01-26 05:38 PM - Alessandro Pasotti

- Assignee set to Alessandro Pasotti

#4 - 2018-01-26 07:17 PM - Alessandro Pasotti

- File qgis-attrtable-error.png added

one of the root causes is that the form value of the second "double" field is set to NULL, even when editing is disabled (see attachment)

#5 - 2018-01-26 11:38 PM - Alessandro Pasotti

- Operating System changed from Windows 7 to Windows 7, Linux

- Category changed from Vectors to Attribute table

- Status changed from Open to In Progress

- Priority changed from Normal to High

Ok, I've probably found the issue with NULLs and I'll commit a patch soon, but I think we have another separate issue here that is the precision of the numeric floating point fields.

It is set to 0 by default that in code is implemented like leave the widget its own default that is 2 decimal positions.

I didn't try very hard, but I've not found an easy way to change it from the layer properties.

Would you mind filing a separate bug to discuss the precision issue?

I'm not sure about what the expected outcome should be, I think it would make sense to have more decimal places by default (like 6) and definitely there must be a way to configure that in the field configuration of the layer properties.

#6 - 2018-01-27 04:05 AM - Calvin Hamilton

One thing I also have noticed is that when in editing mode, if you select a row from the Attribute Table and click the "Delete selected features" icon, it deletes two rows and not just the selected row. Do you get the same results?

#7 - 2018-01-27 08:32 AM - Alessandro Pasotti

No, I can't reproduce the delete issue, but please, file a separate ticket for separate problems.

#8 - 2018-01-27 08:58 AM - Alessandro Pasotti

- Pull Request or Patch supplied changed from No to Yes

PR (for NULL issues) https://github.com/qgis/QGIS/pull/6185

#9 - 2018-01-29 01:16 PM - Anonymous

- % Done changed from 0 to 100

- Status changed from In Progress to Closed

Applied in changeset commit:qgis|ab607ce36a19e10208b41f41c0c545cd124d55e2.

#10 - 2018-01-30 08:15 PM - Calvin Hamilton

- File bad_data.jpg added

- Status changed from Closed to Reopened

I just tested this today and it is not quite fixed although the behavior has changed. There are two issues that I see:

1. This is the lesser problem. Right mouse click on the test layer and select "Open Attribute Table". In the window click on the "Toggle editing mode" icon then click it again. Because nothing was changed it shouldn't do anything, but it pops up the windows asking if you want to save it. It shouldn't do that. Interestingly, if you click on the Discard button and the keep clicking on the "Toggle editing mode" button you won't see the dialog box again.

2. For this test make sure you have closed the attribute table and then reopen it. Click on the "Toggle editing mode" icon just once. Now select the "Add Point Feature" icon and click on the map to add a feature. For 'label' I just called it test and left 'latitude' and 'longitude' as NULL. What it does is garbles the data in the first row and the new data is added to line 6 with 'Autogenerate' as the fid. See the attached image. Compare this with the attribute_table_before.jpg image attached with the initial bug report.

#11 - 2018-01-30 08:17 PM - Calvin Hamilton

Note the example image for problem #2 is bad_data.jpg.

#12 - 2018-01-30 08:26 PM - Alessandro Pasotti

Yes, I've only fixed one of the series of bugs that you are reporting, which is the NULL issue on negative values (I think you called it "garble").
I've also done another PR for setting the precision on double fields, but that is a separate (but related) issue.
With your last comment you are probably reporting yet another issue.
I'd really prefer to see them in different tickets, or it gets much more difficult to track what has been fixed and what has not and refering to a ticket in the commit will just close it (like it happened when I fixed the NULL issue).
Besides: what exactly do you mean with "garble"? Can you try to be more precise?
There is yet another related PR in the queue that might help with the "dirty" state of the layer: https://github.com/qgis/QGIS/pull/6191

#13 - 2018-01-30 08:36 PM - Calvin Hamilton

I will open another ticket for the issue #2 and will try to be more precise.

Thanks for all your work on this.

#14 - 2018-01-30 09:28 PM - Calvin Hamilton

Here is the new ticket #18007

#15 - 2018-01-31 08:32 AM - Anonymous

- Status changed from Reopened to Closed

Applied in changeset commit:qgis|c50e1bff8820f2b158f78cc76445996cc7777527.

#16 - 2018-01-31 09:31 AM - Alessandro Pasotti

- Related to Bug report #17861: SQLite REAL numbers displayed as too many digits in Attribute Table added

#17 - 2018-02-01 07:57 AM - Alessandro Pasotti

- Resolution set to fixed/implemented

Please test the latest commits, all tests should be done with a new project because the default widgets for fields have changed.

#18 - 2018-02-02 07:40 PM - Calvin Hamilton

That seems to have resolved the issue.

Files

test.gpkg	116 KB	2018-01-17	Calvin Hamilton
attribute_table_after.jpg	51.7 KB	2018-01-17	Calvin Hamilton
attribute_table_before.jpg	48.1 KB	2018-01-17	Calvin Hamilton
qgis-attrtable-error.png	76.6 KB	2018-01-26	Alessandro Pasotti
bad_data.jpg	54 KB	2018-01-30	Calvin Hamilton