

QGIS Application - Bug report #17312

Attribute Table refresh issue using the Quick Field Calculation Bar

2017-10-21 11:38 AM - Geo Dev

Status:	Closed	
Priority:	High	
Assignee:	Luigi Pirelli	
Category:	Attribute table	
Affected QGIS version:	master	Regression?: Yes
Operating System:	Windows	Easy fix?: No
Pull Request or Patch Supplied:		Resolution: fixed/implemented
Crashes QGIS or corrupts data:		Copied to github as #: 25210

Description

The Attribute Table doesn't immediately update when fields are set with the Quick Field Calculation Bar.

Steps to replicate the issue:

- Open the Attribute Table of any vector layer
- Start editing
- Select an existing field in the drop-down list of the Quick Field Calculation Bar
- Fill the textbox of the Bar with a value or an expression
- Click on Update All button: the table doesn't update
- Change the focus (e.g. filling the textbox with another value or selecting another field in the drop-down list): the table doesn't update
- Force the refresh of the table (e.g. clicking on cells, resizing/sorting the columns, scrolling the table, resizing the table window): the table updates

Same behavior with Update Selected and Update Filtered buttons.

The user has the perception that the Update buttons do not work (priority: High).

The issue also occurs in QGIS 2.18-dev.

Related issues:

Related to QGIS Application - Bug report # 17187: Attribute Table refresh issue

Closed

2017-09-24

Associated revisions

Revision d6a39e90 - 2017-10-24 02:38 PM - Luigi Pirelli

Update Attr Table after field calculation: fixes #17312

Revision 192d6f93 - 2017-10-31 02:20 PM - Luigi Pirelli

Update Attr Table after field calculation: fixes #17312

History

#1 - 2017-10-21 10:54 PM - sand thorn

I confirm this on

OS: Windows 10 64-bit

QGIS: 2.18.13-20 64-bit (via OSGeo4W pre-compiled) (Thanks to Giovanni Manghi to give me how to try this)

A click on "Update All", "Update Filtered", "Update Selected" should also raise an update event on all shown cells, but it doesn't. You have to click once

more in the table area to get the shown cells updated.

I don't know this behaviour is on purpose or a been-forever bug or a regression. However I guess it would be nice if we don't have to have another click, would you agree?

#2 - 2017-10-23 10:17 AM - Jürgen Fischer

- Related to Bug report #17187: Attribute Table refresh issue added

#3 - 2017-10-23 10:22 AM - Giovanni Manghi

- Operating System set to Windows

It seems to affect Windows, as on Linux with the same patch the table is auto-refreshed.

#4 - 2017-10-23 11:27 AM - Luigi Pirelli

trying to replicate

#5 - 2017-10-23 12:27 PM - Luigi Pirelli

replicated on 2.18.13-21 on win and linux

#6 - 2017-10-23 12:28 PM - Giovanni Manghi

Luigi Pirelli wrote:

| replicated on 2.18.13-21 on win and linux

that's weird, work as expected for me on Linux.

#7 - 2017-10-23 12:33 PM - Luigi Pirelli

hmmm... probably having a different feature show option? I was able to replicate with "Show All feature"

#8 - 2017-10-23 12:33 PM - Luigi Pirelli

- Assignee set to Luigi Pirelli

#9 - 2017-10-23 12:34 PM - Giovanni Manghi

Luigi Pirelli wrote:

| hmmm... probably having a different feature show option? I was able to replicate with "Show All feature"

here too.

can you attach here the dataset you tested?

#10 - 2017-10-23 12:41 PM - Luigi Pirelli

- File test.gpkg added
- File test.qgs added

this is a side effect of avoid reloading of data during editing

<https://issues.qgis.org/projects/qgis/repository/revisions/6c84b6ea45e02ba71506fdb6f5a24800c56b1dc/diff/src/gui/attributetable/qgsattributetablemodl.cpp>

The reload was triggered by endEditCommand triggered here:

https://github.com/qgis/QGIS/blob/release-2_18/src/app/qgsattributetabledialog.cpp#L514

Adding a explicit column reload after calculation fix the issue.

e.g. adding the following code after the above lines

```
// refresh table with updated values
// fixes http://issues.qgis.org/issues/17312
QgsAttributeTableModel* masterModel = mMainView->masterModel();
int modelColumn = masterModel->fieldIdx( fieldindex );
masterModel->reload( masterModel->index( 0, modelColumn ), masterModel->index( masterModel->rowCount() - 1, modelColumn ) );
```

Checking if it's necessary to add more explicit reloads in other parts of QgsAttributeTableDialog

Attached test file and project used to replicate.

#11 - 2017-10-23 12:47 PM - Luigi Pirelli

no, no more reload is necessary. Explicitely reload is present every time endEditCommand is triggered

#12 - 2017-10-23 12:53 PM - Luigi Pirelli

checking if this patch is affecting tests:

```
116/261 Test #116: qgis_dualviewtest .....***Exception: Other 2.02 sec
145/261 Test #145: qgis_attributetabletest .....***Exception: Other 1.63 sec
```

#13 - 2017-10-23 02:00 PM - Luigi Pirelli

this tests fails locally also without my patch! on travis the build is successfull :/

#14 - 2017-10-23 04:31 PM - Luigi Pirelli

a simplified patch:

```
QgsAttributeTableModel* masterModel = mMainView->masterModel();
masterModel->reload( masterModel->index( 0, 0 ), masterModel->index( masterModel->rowCount() - 1, masterModel->columnCount() - 1 ) )
```

works for 2.18 and master... the patch does not fail current master tests.

Now creating a failing test to avoid the issue again.

#15 - 2017-10-24 01:09 PM - Luigi Pirelli

for 2.18 added PR <https://github.com/qgis/QGIS/pull/5433>

next steps will be PR for 3.0 and add a test to avoid regressions

#16 - 2017-10-24 02:37 PM - Luigi Pirelli

- *Status changed from Open to Closed*
- *% Done changed from 0 to 100*

Applied in changeset commit:qgis|d6a39e9018d2e48d32db45f07f9a26e8d1bf9867.

#17 - 2017-10-24 02:52 PM - Luigi Pirelli

- *Status changed from Closed to Open*

still have to be fixed on master where I want to add unit test

#18 - 2017-10-31 02:20 PM - Luigi Pirelli

- *Status changed from Open to Closed*

Applied in changeset commit:qgis|192d6f93d03efa785d9d96e04a71afd82dcfc1b2.

#19 - 2017-11-24 07:36 PM - Giovanni Manghi

- *Resolution set to fixed/implemented*

#20 - 2017-12-13 06:09 PM - Steve Lowman

Please re-open this. I have a calculation failing to display until 'Save' is clicked'. This is in QGIS 2.18.15 LTR, working with a shapefile in W10.

#21 - 2017-12-13 10:09 PM - Luigi Pirelli

Steve Lowman wrote:

Please re-open this. I have a calculation failing to display until 'Save' is clicked'. This is in QGIS 2.18.15 LTR, working with a shapefile in W10.

I'll try to replicate tomorrow (first on linux)... tnx for the report

#22 - 2017-12-14 11:59 AM - Luigi Pirelli

can't replicate on Linux with latest 2.18 build (2ef6a82)

doing a verification on Win, btw do you a specific procedure that replicate the issue? Steve, if I follow that explained in this issue I can't replicate.

Luigi Pirelli wrote:

Steve Lowman wrote:

Please re-open this. I have a calculation failing to display until 'Save' is clicked'. This is in QGIS 2.18.15 LTR, working with a shapefile in W10.

I'll try to replicate tomorrow (first on linux)... tnx for the report

#23 - 2017-12-14 12:42 PM - Giovanni Manghi

Steve Lowman wrote:

Please re-open this. I have a calculation failing to display until 'Save' is clicked'. This is in QGIS 2.18.15 LTR, working with a shapefile in W10.

just tested on 2.18.15 on Windows and works ok for me.

#24 - 2017-12-14 12:44 PM - Luigi Pirelli

Giovanni Manghi wrote:

Steve Lowman wrote:

Please re-open this. I have a calculation failing to display until 'Save' is clicked'. This is in QGIS 2.18.15 LTR, working with a shapefile in W10.

just tested on 2.18.15 on Windows and works ok for me.

please Steve:

- 1) check for an updated QGIS
- 2) if the error persist, give us a procedure to replicate... until this the ticket will remain closed

tnx

Files

test.qgs	8.8 KB	2017-10-23	Luigi Pirelli
test.gpkg	116 KB	2017-10-23	Luigi Pirelli