

QGIS Application - Bug report #17300

Aggregate functions in Field Calculator in modeller

2017-10-17 11:31 PM - Danielle G

|  |                     |                                      |
|--|---------------------|--------------------------------------|
| <b>Status:</b>   | Closed              |                                      |
| <b>Priority:</b>   | Normal              |                                      |
| <b>Assignee:</b>   | Luigi Pirelli       |                                      |
| <b>Category:</b>   | Processing/Modeller |                                      |
| <b>Affected QGIS version:</b>  | 2.18.14             | <b>Regression?:</b> No               |
| <b>Operating System:</b>   | Ubuntu              | <b>Easy fix?:</b> Yes                |
| <b>Pull Request or Patch supplied:</b>   | Yes                 | <b>Resolution:</b> fixed/implemented |
| <b>Crashes QGIS or corrupts data:</b>  | No                  | <b>Copied to github as #:</b> 25198  |
| <b>Description</b>   |                     |                                      |
| <p>The aggregate functions in field calculator cannot calculate on a layer which is not saved to the project model.</p> <p>For example, when trying to do a series of aggregate (e.g. mean, sum) calculations in the model builder, the first one (working directly off of a layer saved in the model) will work, while any subsequent calculations, based on temporary layers within the model builder calculations returns "An error occurred while evaluating the calculation string: Cannot use aggregate function in this context".</p> <p>(I haven't posted issues before, hopefully this is enough detail. It is very easy to replicate -simply try to do a couple of aggregate functions in series in model builder)</p> |                     |                                      |

Associated revisions

Revision 1c34b255 - 2018-01-24 11:56 AM - Luigi Pirelli

Add out layer to registry before its update.

Useful only in case of use waterfall aggregate functions because they get layer from registry basing on layer scope.

Fixes #17300

(<https://github.com/qgis/QGIS/pull/5950>)

History

#1 - 2017-10-18 08:58 AM - Giovanni Manghi

- Category changed from Field calculator to Processing/Modeller
- Subject changed from Aggregate functions in Field Calculator to Aggregate functions in Field Calculator in modeller

#2 - 2017-10-31 03:28 PM - Francisco Pérez Sampayo

I can confirm this bug on 2.18.14

#3 - 2017-11-02 12:33 PM - Giovanni Manghi

- Affected QGIS version changed from 2.18.11 to 2.18.14

#4 - 2017-12-20 01:24 PM - Francisco Pérez Sampayo

- File test\_agg.model3 added
- File layer.zip added
- File test\_agg.model added

I just test this bug with master and works ok without problem on aggregates.  
I send the layer and the models for the versions 2 and 3 i you want to replicate faster.

**#5 - 2017-12-22 10:42 AM - Luigi Pirelli**

trying to replicate on linux

**#6 - 2017-12-22 11:47 AM - Luigi Pirelli**

- Assignee set to Luigi Pirelli

replicated on linux with lates 2.18 b06f99b

**#7 - 2017-12-26 11:57 AM - Luigi Pirelli**

- Pull Request or Patch supplied changed from No to Yes

proposed PR <https://github.com/qgis/QGIS/pull/5950>

**#8 - 2018-01-11 10:20 AM - Luigi Pirelli**

- Assignee changed from Luigi Pirelli to Victor Olaya

changed assignee trying to speedup review or merge of proposed PR

**#9 - 2018-01-24 11:56 AM - Luigi Pirelli**

- Status changed from Open to Closed

- % Done changed from 0 to 100

Applied in changeset commit:qgis|1c34b2558999e42f7b3d81865e2bfed560ce9856.

**#10 - 2018-01-30 03:28 PM - Jean-Louis Stanus**

- File *aggregation\_project\_21816.zip* added

- File *Models.zip* added

Hello,

I tested with nightly 2.18.16-5 (installed with osgeo4w). It looks not solved.

I created

- a model with refactor inwhich i use aggregate( ... input : *merged\_only\_by\_model*
- a second where i merge 2 layers THEN i refactor inwhich i use aggregate( ... input : *couche2 and couche1*

The first works, the second with the same layer not because refactor with aggregate is used in second (or more) place

UPDATE: yes, typo. Fixed ;)

**#11 - 2018-01-30 05:03 PM - Luigi Pirelli**  
- Assignee changed from Victor Olaya to Luigi Pirelli

I'll give a check, tnx for the report

I suppose it's a typo... you where talking about 2.18.16-5 is it right?

**#12 - 2018-02-02 11:13 AM - Luigi Pirelli**

Hi Jean-Louis

The Aggregate function you are using in "test aggregate only" model is a "refactor fields" qgis alg that has not relation with aggregate functions. The only relation is the name that is set manually in the model.

The "test merge and aggregate" model depend on saga (that I've not installed) do you mind to prepare a test case that use ONLY base algorithm not depending by third party backends? I've error reading the algorithm because lack of SAGS.

BTW, merge algorithm is not (AFAIK) an aggregate function.

all this to say that your report seems related to something not related with the issue that has been fixed.

I leave the issue closed until a reproducible and related test case can confirm that the fix is not working.

regards

**#13 - 2018-02-22 11:18 AM - Giovanni Manghi**  
- Easy fix? changed from No to Yes  
- Resolution set to fixed/implemented

| Files                         |         |            |                         |
|-------------------------------|---------|------------|-------------------------|
| layer.zip                     | 1.9 KB  | 2017-12-20 | Francisco Pérez Sampayo |
| test_agg.model                | 4.73 KB | 2017-12-20 | Francisco Pérez Sampayo |
| test_agg.model3               | 7.18 KB | 2017-12-20 | Francisco Pérez Sampayo |
| aggregation_project_21816.zip | 21.7 KB | 2018-01-30 | Jean-Louis Stanus       |
| Models.zip                    | 2.07 KB | 2018-01-30 | Jean-Louis Stanus       |