

## QGIS Application - Bug report #16425

### Error converting to integer 64 bits when output is a temporary layer

2017-04-07 05:51 AM - Pablo Fernández Moniz

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Processing/Core	
<b>Affected QGIS version:</b>	2.14.13	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> no timely feedback
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 24334
<b>Description</b>		
see comment #16425-3		
<p>After creating a new layer with processing, integer 64 bits fields (qlonglong) are incorrectly converted.</p> <p>QGIS version: 2.14 and 2.18 for Windows 7 32 and 64 bits. (I does not fail in Linux nor OSX).</p> <p>Steps to reproduce:</p> <p>Load a layer(A) with two fields ID (type integer 64 bits, qlonglong) and geom (type linestring, for example). The ID field values use 18 digits.</p> <p>Make some geoprocessing with the layer. In our case we ran "Line intersection" algorithm over the layer with itself. The unique field is set to be the ID field.</p> <p>The resulting layer(B) sets the ID field to be of type text (QGIS 2.18) or uses type real (QGIS 2.14). Now we are not able to too compare the the IDs from A with IDs from B directly. Now:</p> <p>In 2.18, we are forced to to convert A.ID to string to compare it with B.ID in 2.18, which is the layer that introduced the "error". As a different workaround, if we try to convert the B.ID (which is int64) to int, we either get it shortened or an error saying it cannot be converted to int (as expected, we miss the to_int64 function).</p> <p>In 2.14, we cannot make the comparison because the real field cuts off the last digits (it uses scientific notation, see attached image).</p> <p>Therefore, we think that the qlonglong type should be used in the resulting layer B. While that is not possible, we also miss a to_int64 function to make the first workaround possible.</p>		

#### History

##### #1 - 2017-04-30 09:57 AM - Alexander Bruy

- Category set to Processing/Core
- Description updated

##### #2 - 2017-05-01 01:01 AM - Giovanni Manghi

- Regression? set to No
- Easy fix? set to No

##### #3 - 2017-05-01 10:52 AM - Giovanni Manghi

- Status changed from Open to Feedback
- Priority changed from High to Normal

I just tested on master/QGIS3 and this seems to happen only if the output is a temporary layer, if the output is set to point to "normal" file then the column type is qlonglong.

**#4 - 2017-05-26 05:28 PM - Giovanni Manghi**

- Subject changed from Error converting to integer 64 bits to Error converting to integer 64 bits when output is a temporary layer
- Description updated

**#5 - 2017-05-26 05:29 PM - Giovanni Manghi**

- Status changed from Feedback to Open

**#6 - 2017-07-11 02:01 PM - Jürgen Fischer**

- Description updated

**#7 - 2019-01-30 03:16 PM - Alexander Bruy**

- Status changed from Open to Feedback

Please test with 3.4/master and attach sample data.

**#8 - 2019-03-08 11:35 AM - Giovanni Manghi**

- Resolution set to no timely feedback
- Status changed from Feedback to Closed

Closing for lack of feedback.

**Files**

real_number_in_scientific_notation.png	25.6 KB	2017-04-07	Pablo Fernández Moniz
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