

## QGIS Application - Bug report #19436

### High memory usage with Snap geometries to layer and "exception:unknown" message

2018-07-17 06:34 PM - Antoine Lafranchis

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Digitising	
<b>Affected QGIS version:</b>	3.7(master)	<b>Regression?:</b> No
<b>Operating System:</b>	Windows 10	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 27264
<b>Description</b>		
<p>In some circumstances, the computer freezes with 99.9% memory usage (then task manager stops responding...) when using the algorithm 'Snap geometries to layer'.</p> <p>It apparently happens only when snapping a line layer to a point reference layer, with a small tolerance (0.00001 or lower).</p> <p>It happend initially on a huge shapefile with geometry errors, but then I could reproduce it with tempopary layers: a line layer with a single line and a point layer with 3 points: the 1st point was precisely on a vertex, the 2nd point close to a second vertex (within the tolerance radius) and the 3rd point quite far from the line.</p> <p>Because I had to "brutally" shut down and restart the computer, I don't have any test file to attach and no crash log. The only details that were left were the processing history: <code>processing.run("qgis:snapgeometries",</code> <code>{'INPUT':'Point?crs=EPSG:4326&amp;uid={50146ea0-3a7a-4515-8241-e842f2ef1717}','REFERENCE_LAYER':'LineString?crs=EPSG:4326&amp;uid=G:4326&amp;uid={c6586332-d416-495e-868d-e34430dab439}','TOLERANCE':1e-5,'BEHAVIOR':0,'OUTPUT':'memory:'})</code></p>		

#### History

##### #1 - 2018-07-20 08:57 AM - Nyal Dawson

- Status changed from Open to Closed
- Resolution set to duplicate

Duplicate of #18497

##### #2 - 2019-02-23 09:09 PM - Antoine Lafranchis

- File `test_project.qgz` added
- File `QGIS.zip` added
- File `test_snap_config.png` added
- File `test_memory_usage.png` added
- Status changed from Closed to Reopened

I still experience abnormally high memory usage and Qgis freezing when snapping points to lines with small tolerance.

This time i ended qgis-dev from the task manager without waiting for the probable crash so that i could send this update.

Memory usage was at 2.5 GB and continuously increasing. The 2 shapefiles contain only 6 features in total.

It's apparently not a duplicate of #18497 which is fixed.

##### #3 - 2019-02-23 09:31 PM - Giovanni Manghi

- Resolution deleted (duplicate)
- Status changed from Reopened to Feedback

Antoine Lafranchis wrote:

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Memory usage was at 2.5 GB and continuously increasing. The 2 shapefiles contain only 6 features in total.  
It's apparently not a duplicate of #18497 which is fixed.

sure have you tested a **recent** build?

#4 - 2019-02-23 09:45 PM - Antoine Lafranchis

- File qgis\_snap\_exception.png added
- File qgis\_version.png added

I use build 4d5dad8172.  
I tried again to snap the same layers and waited. It didn't actually crash, memory usage peaked at 2.6 GB then dropped suddenly and displayed an "exception:unknown" message.

#5 - 2019-02-23 09:50 PM - Giovanni Manghi

- Category changed from Processing/Core to Digitising
- Status changed from Feedback to Open
- Priority changed from High to Normal
- Affected QGIS version changed from 3.2 to 3.7(master)
- Crashes QGIS or corrupts data changed from Yes to No
- Subject changed from Windows crash with Snap geometries to layer to High memory usage with Snap geometries to layer and "exception:unknown" message

Files			
test_project.qgz	3.74 KB	2019-02-23	Antoine Lafranchis
test_memory_usage.png	142 KB	2019-02-23	Antoine Lafranchis
QGIS.zip	2.99 KB	2019-02-23	Antoine Lafranchis
test_snap_config.png	103 KB	2019-02-23	Antoine Lafranchis
qgis_version.png	25.1 KB	2019-02-23	Antoine Lafranchis
qgis_snap_exception.png	108 KB	2019-02-23	Antoine Lafranchis