

QGIS Application - Bug report #15508

[Processing] Check validity of geometries fails in master

2016-09-01 02:15 AM - Casper Børgesen

Status:	Closed	
Priority:	Severe/Regression	
Assignee:	Victor Olaya	
Category:	Processing/QGIS	
Affected QGIS version:	master_2	Regression?: No
Operating System:	unspecified	Easy fix?: No
Pull Request or Patch supplied:		Resolution:
Crashes QGIS or corrupts data:		Copied to github as #: 23432
Description		
<p>I am trying to validate a few geometry layers using <i>Processing/QGIS geoalgorithms/Vector geometry tools/Check validity</i> and it immediately fails each time I try with the following message.</p> <p>-2147483645 See log for more details</p> <p>The processing log contains the following:</p> <pre>Uncaught error while executing algorithm Traceback (most recent call last): File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins\processing\core\GeoAlgorithm.py", line 203, in execute self.processAlgorithm(progress) File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins\processing\algs\qgis\CheckValidity.py", line 93, in processAlgorithm self.doCheck(progress) File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins\processing\algs\qgis\CheckValidity.py", line 109, in doCheck layer.crs() File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins\processing\core\outputs.py", line 326, in getVectorWriter crs, options) File "C:/OSGEO4~1/apps/qgis-dev/.python/plugins\processing\tools\vector.py", line 556, in __init__ uri = GEOM_TYPE_MAP[geometryType] + "?uuid=" + unicode(uuid.uuid4()) KeyError: -2147483645</pre> <p>It doesn't matter if I select either QGIS or GEOS as method in the parameters. Of course this also affects the <i>QGIS menu/Vector/Geometry Tools/Check Validity</i>.</p>		
Related issues:		
Related to QGIS Application - Bug report # 15563: QGIS do not preserve z coord...		Closed 2016-09-13

Associated revisions

Revision a4bdfb76 - 2016-10-05 08:42 AM - Alexander Bruy

[processing] support more geometry types in memory layers (fix #15508)

History

#1 - 2016-09-01 02:20 AM - Casper Børgesen

I forgot to mention, that it works fine in QGIS 2.16.1.

#2 - 2016-09-15 04:34 AM - Alexander Bruy

- OS version deleted (7 x64)
- Operating System deleted (windows)

Your shapefile contains 2.5D. QGIS master now by default saves Processing outputs into memory layers, which does not support 2.5D geometries.

As workaround you can save algorithm results to file.

#3 - 2016-09-20 03:55 AM - Victor Olaya

if this is fine in 2.16...can we close the issue? Looks like a limitation in QGIS < 2.16 with memory layers, as Alex says, so there is nothing we can do to fix that

#4 - 2016-09-20 06:56 AM - Casper Børjesen

Victor Olaya wrote:

if this is fine in 2.16...can we close the issue? Looks like a limitation in QGIS < 2.16 with memory layers, as Alex says, so there is nothing we can do to fix that

Well I think if you are going to close this ticket, shouldn't the user be made aware of why they get this error message? I mean something like "The input data 2.5D geometry and processing can only save to file and not memory layer. Please select an output file." or similar?

At least until memory layers are capable of handling 2.5D geometries.

#5 - 2016-09-21 03:28 AM - Casper Børjesen

Alexander Bruy wrote:

As workaround you can save algorithm results to file.

I tried not setting a file for valid output (and uncheck the "open output file after running algorithm"), and two shape files for invalid and error output. I get two error messages with the same large negative number for each.

If I set a file for each of the three outputs it seems to work.

So I guess that the "open output file after running algorithm" doesn't suppress the creation of a memory layer. I would expect it to completely skip the memory layer, if the user doesn't want to open it afterwards, since it is the same as putting the results directly into the waste bin.

#6 - 2016-10-06 01:37 AM - Alexander Bruy

- Status changed from Open to Closed

Fixed in changeset commit:"a4bdfb76c0c7a53d186eeb47cae8197fe052f634".

Files

TELEMASTEFUNDAMENT.dbf	61.6 KB	2016-09-01	Casper Børgesen
TELEMASTEFUNDAMENT.prj	407 Bytes	2016-09-01	Casper Børgesen
TELEMASTEFUNDAMENT.shp	110 KB	2016-09-01	Casper Børgesen
TELEMASTEFUNDAMENT.shx	3.62 KB	2016-09-01	Casper Børgesen