

## QGIS Application - Bug report #20541

### "Topology Checker" and multipart (shapefiles)

2018-11-18 02:44 PM - Thomas Nogatz

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	C++ plugins/Topology checker	
<b>Affected QGIS version:</b>	3.7(master)	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 28361
<b>Description</b>		
<b>New description:</b> In QGIS 3 shapefiles are now <b>always</b> multipart, so the Topology Checker rule "must not have multipart feature" always return errors for such datasource.		
<b>Old description:</b> Prerequisite: Polygon shape (see attached shapefile) with clean topology after im- and export with GRASS (v.in.ogr.qgis, snapping threshold 0.1 m): without invalid/overlapping/multipart geometries, without duplicates, with some allowed gaps.  Observation: QGIS 2.18 - Topology Checker (check on invalid/overlapping/multipart/duplicates/gaps) recognizes the gaps. That's correct. QGIS 3.4.1 - same topology check: The gaps are recognized and a lot of multipart features are reported. But there are no multipart features - so this should be an error.		

#### History

##### #1 - 2018-11-19 10:42 AM - Giovanni Manghi

- Status changed from Open to Feedback

in QGIS 3 shapefiles are always forced as multipart, so I guess that the tool should consider shapefiles as a special case.

##### #2 - 2019-03-09 09:31 AM - Giovanni Manghi

- Operating System deleted (Windows 7)

- Affected QGIS version changed from 3.4.1 to 3.7(master)

- Status changed from Feedback to Open

- Description updated

- Subject changed from Plugin "Topology Checker" - false error report: Multipart Features to "Topology Checker" and multipart (shapefiles)

- Category changed from Vectors to C++ plugins/Topology checker

##### #3 - 2019-04-02 12:25 PM - Dario Bevilacqua

I have the same problem. I need to check the singlepart and the multipart features and since qgis 3.x it is no more possible.

The command in python 3 (geom.isMultipart()), same as for qgis gui and plugin, return always multipart, even if the geom is single part.

The same file in qgis 2.x and python 2 return the check as "single part".

It's pretty ridiculous that I have to check the geometry with an old and outdated version of qgis. It will be fixed?

#4 - 2019-04-02 12:50 PM - Giovanni Manghi

Dario Bevilacqua wrote:

| *pretty ridiculous*

?

have you seen #20541-1 ?

also if there is some bug/regression that is a blocker for your workflow please consider supporting the effort for fixing it, rather than ranting about it.

Files

FFH_326.zip	164 KB	2018-11-18	Thomas Nogatz
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