

QGIS Application - Bug report #20996

QGIS Master does not export from Multilinestring Geometry type and does not recognize Geometry Type Linestring saved by QGIS 2

2019-01-14 04:41 PM - Antonio Viscomi

Status:	Rejected	
Priority:	High	
Assignee:		
Category:	Geometry	
Affected QGIS version:	3.5(master)	Regression?: Yes
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: wontfix
Crashes QGIS or corrupts data:		Copied to github as #: 28815
Description		
<p>Hi all,</p> <p>I need a Linestring type shapefile then:</p> <ul style="list-style-type: none">- I tried to convert my data to Linestring using QGIS Master https://github.com/qgis/QGIS/commit/aafd84812e;- the conversion come out with a correct "converted" memory file (Screenshot 1);- I tried to save "converted" file to a permanent file (selecting Linestring Type from export dialog); <p>well,</p> <ul style="list-style-type: none">- the new file Is a Linestring type while It is a memory (Screenshot 1) whereas if I load It from "Open Layer" as a new layer, It change type in Multilinestring instead of a Linestring (Screenshot 2). <p>Moreover,</p> <p>If I try to open a QGIS 2 (screenshot 3) converted Linestring in QGIS Master, the opened file It is yet Multilinestring (Screenshot 4)</p> <p>I attach here the some screenshots and data (original data and Linestring data converted by Master and by QGIS 2)</p> <p>Regards</p>		

History

#1 - 2019-01-14 08:44 PM - Nyal Dawson

- Resolution set to wontfix
- Status changed from Open to Rejected

This is by design. In qgis 3 line/polygon shapefiles are always treated as multipart. This is because the shapefile format does not differentiate between the two, and in qgis it is necessary to know in advance if ANY feature in the layer will be multipart. Use geopackage if you need strict single/multi typing.

#2 - 2019-01-15 12:36 AM - Antonio Viscomi

Hi Nyal,

Thanks for suggestion but...

Why allow to export shapefiles as Linestring?

Cheers

#3 - 2019-01-15 03:54 AM - Nyal Dawson

That list isn't filtered by export format -- I guess we should consider that!

#4 - 2019-01-15 09:45 AM - Antonio Viscomi

- File exported.gpkg added
- File gpkg_properties.tif added

Nyall Dawson wrote:

This is by design. In qgis 3 line/polygon shapefiles are always treated as multipart. This is because the shapefile format does not differentiate between the two, and in qgis it is necessary to know in advance if ANY feature in the layer will be multipart. Use geopackage if you need strict single/multi typing.

Nyall,
I just tried to export my multilinestring in Linestring in a gpkg as you suggested,
well the result is yet a multilinestring... Is there anything that is not clear to me?

I attach gpkg and screenshot here

Cheers

Files

Geometry_type.7z	364 KB	2019-01-14	Antonio Viscomi
gpkg_properties.tif	2.49 MB	2019-01-15	Antonio Viscomi
exported.gpkg	1.11 MB	2019-01-15	Antonio Viscomi