

QGIS Application - Bug report #13616

Pyqgis QgsFeature.setGeometry() causes crash

2015-10-15 11:07 PM - Spencer Gardner

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Python plugins	
Affected QGIS version:	2.10.1	Regression?: No
Operating System:	Ubuntu	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: duplicate
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 21654
Description		
<p>I'm getting a hard crash when I call setGeometry from the processing framework. I can't figure out why my code is failing but in any case QGIS shouldn't be crashing like this. Looks to be a segfault based on the log.</p> <p>segfault at 0 ip 00007fc63a2a846a sp 00007fff34f66f00 error 6 in libqgis_core.so.2.10.1[7fc63a14d000+7ce000]</p> <p>A few odd things:</p> <ol style="list-style-type: none">1) It doesn't crash all the time. The sample code below seems to crash about 80% of the time. But every once in a while it works without an issue. And when it works, I can run it again during the same session without problems. But if I restart QGIS it crashes again.2) I also tried using the WKT of the geometry in the sample below. If I construct the geom from the WKT there is no crash. For reference, the WKT of the sample feature is "LINESTRING" - the SRID is 2283. <p>Sample code (from the Python console)</p> <pre>#- note that roadsLayer is a PostGIS layer of type LINESTRING and primary key of "road_id") #- and the code grabs a geom from one of the road features by looking up the geom #- in a dictionary with keys of road_ids and values of geoms. #- I've chosen an arbitrary road_id to illustrate. #- imports from qgis.core import * from PyQt4.QtCore import QSettings, QVariant from processing.tools import vector #- fields fields = QgsFields() fields.append(QgsField('field1', QVariant.Int)) #- dict of road IDs and geoms (for convenience) roads = dict() for feat in vector.features(roadsLayer): roads[feat['road_id']] = feat.geometry() #- create the new feature f = QgsFeature(fields) f.setAttribute(0,0) roadId = 6985 f.setGeometry(roads.get(roadId))</pre>		

History

#1 - 2015-10-16 02:14 AM - Nyal Dawson

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

Duplicate of #777.

Solution is to alter this part of your script:

```
for feat in vector.features(roadsLayer):  
    roads[feat['road_id']] = feat.geometry()
```

to

```
for feat in vector.features(roadsLayer):  
    roads[feat['road_id']] = QgsGeometry(feat.geometry())
```