

QGIS Application - Bug report #14826

.QML style only partly rendered into image using PyQGIS API

2016-05-16 08:26 AM - Yury Ryabov

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Symbology	
Affected QGIS version:	2.14.2	Regression?: No
Operating System:	Linux	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: end of life
Crashes QGIS or corrupts data:	No	Copied to github as #: 22780
Description		
<p>I have a .QML style file for the polygon layer (see file attached) that was created in QGIS. Inside QGIS layers are rendered correctly with this style and the canvas is exported into png correctly. However when I try to do the same thing in a standalone non-GUI application the output image contains only that symbology layers that are not using SVG-images (pattern fills or marker outlines are not rendered) and I have following errors in console:</p> <pre>QPainter::begin: Paint device returned engine == 0, type: 3 QPainter::begin: Paint device returned engine == 0, type: 3 QPainter::setRenderHint: Painter must be active to set rendering hints QPainter::setPen: Painter not active QPainter::setPen: Painter not active QPainter::end: Painter not active, aborted QPainter::begin: Paint device returned engine == 0, type: 3</pre>		
<p>The code:</p> <pre>from qgis.core import * from PyQt4.QtCore import QSize from PyQt4.QtGui import QPainter, QImage, QColor qgisApp = QgsApplication([], False) QgsApplication.setPrefixPath('/usr', True) QgsApplication.initQgis() lyr = QgsVectorLayer('bbox.shp', 'bbox', 'ogr') lyr_id = lyr.id() QgsMapLayerRegistry.instance().addMapLayer(lyr) st = lyr.applyNamedStyle('bbox.qml', 'error') # create image x_y = (800, 600) img = QImage(QSize(*x_y), QImage.Format_ARGB32_Premultiplied) # create painter p = QPainter() p.begin(img) p.setRenderHint(QPainter.Antialiasing) layers = QgsMapLayerRegistry.instance().mapLayers()</pre>		

```
lst = layers.keys()
renderer = QgsMapRenderer()
renderer.setLayerSet(lst)

extent = renderer.fullExtent()
rect = QgsRectangle(extent)
renderer.setExtent(rect)

# set output size
renderer.setOutputSize(img.size(), img.logicalDpiX())

# do the rendering
renderer.render(p)
p.end()

# save image
img.save('qgis_render.png', 'png')

QgsApplication.exitQgis()
```

History

#1 - 2017-05-01 01:05 AM - Giovanni Manghi

- *Easy fix? set to No*
- *Regression? set to No*

#2 - 2019-03-09 03:08 PM - Giovanni Manghi

- *Resolution set to end of life*
- *Status changed from Open to Closed*

End of life notice: QGIS 2.18 LTR

Source:

<http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/>

QGIS 3.4 has recently become our new Long Term Release (LTR) version. This is a major step in our history – a long term release version based on the massive updates, library upgrades and improvements that we carried out in the course of the 2.x to 3x upgrade cycle.

We strongly encourage all users who are currently using QGIS 2.18 LTR as their preferred QGIS release to migrate to QGIS 3.4. This new LTR version will receive regular bugfixes for at least one year. It also includes hundreds of new functions, usability improvements, bugfixes, and other goodies. See the relevant changelogs for a good sampling of all the new features that have gone into version 3.4

Most plugins have been either migrated or incorporated into the core QGIS code base.

We strongly discourage the continued use of QGIS 2.18 LTR as it is now officially unsupported, which means we'll not provide any bug fix releases for it.

You should also note that we intend to close all bug tickets referring to the now obsolete LTR version. Original reporters will receive a notification of the ticket closure and are encouraged to check whether the issue persists in the new LTR, **in which case they should reopen the ticket.**

If you would like to better understand the QGIS release roadmap, check out our roadmap page! It outlines the schedule for upcoming releases and will help you plan your deployment of QGIS into an operational environment.

The development of QGIS 3.4 LTR has been made possible by the work of hundreds of volunteers, by the investments of companies, professionals, and administrations, and by continuous donations and financial support from many of you. We sincerely thank you all and encourage you to collaborate and support the project even more, for the long term improvement and sustainability of the QGIS project.

Files			
bbox.qml	14.8 KB	2016-05-16	Yury Ryabov