

QGIS Application - Bug report #8646

Python QgsRendererV2Widget not displaying on Windows 64 build

2013-09-22 01:59 PM - Chris Crook

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Python plugins	
Affected QGIS version:	2.4.0	Regression?: No
Operating System:	All	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: end of life
Crashes QGIS or corrupts data:	No	Copied to github as #: 17377
Description		
<p>I maintain the VectorFieldRenderer widget, which implements a python custom renderer. The QGIS 2.0 version is working on Ubuntu, but on windows 64 (using standalone installer), when the renderer is selected in the Properties Style dialog, the renderer configuration widget is not displayed, and instead there is just a message "This renderer doesn't implement a graphical interface".</p> <p>I've build a minimal custom renderer (attached as LayerTest.zip), and that behaves in the same way, so I suspect that there is an issue in 64bit build (note - I haven't tested other windows builds).</p> <p>Steps to replicate:</p> <ol style="list-style-type: none">1) Install attached LayerTest plugin to <user home>/.qgis2/python/plugins2) Start QGIS3) Open plugin manager and enable LayerTest plugin4) Create a new point vector layer5) Make the new layer the current layer and open the Style tab of the layer Properties dialog6) Select the LayerTest renderer type <p>The dialog box should show "Dummy widget for layer <layer name>".</p> <p>It does this on ubuntu 12.04. On windows 64bit build it displays the error message above (This renderer doesn't implement a graphical interface).</p>		

Associated revisions

Revision 86ddc49a - 2013-10-24 04:40 PM - Marco Bernasocchi

Force compilers to generate vtable for QgsRendererV2Metadata

Fix #8646

Fix #5170

Explanation see: <http://trac.osgeo.org/geos/ticket/535#comment:11>

History

#1 - 2013-10-24 07:41 AM - Anonymous

- Status changed from Open to Closed

Fixed in changeset commit:"86ddc49acf3599e6d959f462da1d870dd6ba148d".

#2 - 2013-10-24 07:43 AM - Matthias Kuhn

Hi, can somebody verify, if this really solves the issue and re-open if appropriate?

And thanks to @mbernasocchi for finding this solution.

#3 - 2013-10-24 11:29 AM - Chris Crook

Subtle indeed - great work. ATM I don't have a windows build environment, so can't confirm. But, in anticipation of this resolving the issue, thanks!

#4 - 2013-11-12 05:53 AM - Andy Aschwanden

- Status changed from Closed to Reopened

Hi,

While I was trying to use the VectorFieldRenderer widget mentioned above, I've noticed that this issue still exists on QGIS commit:7c98970 (nightly build from <http://qgis.dakotacarto.com/>, Mac OS X 10.8.5). I've also tested the minimal example in TestLayer.zip, with the same result, it shows

"This renderer doesn't implement a graphical interface"

Thanks.

#5 - 2014-01-30 11:34 PM - Paolo Cavallini

- Target version changed from Version 2.0.0 to Future Release - High Priority

#6 - 2014-07-16 05:50 PM - Chris Crook

Still seems to be an issue in version 2.4 on Windows 64bit

#7 - 2014-07-16 05:51 PM - Chris Crook

- Affected QGIS version changed from 2.0.1 to 2.4.0

#8 - 2014-08-29 12:19 PM - Chris Crook

- Operating System changed from Windows to All

- Priority changed from Normal to High

I've just upgraded Ubuntu to version 14.04 and this issue is now present on Ubuntu as well. So it occurs in 64 bit environments generally - windows, ubuntu, mac. This occurs both in the released version and building from source. I assume that this is due to a new version of SIP with the Ubuntu version upgrade.

#9 - 2014-08-29 12:25 PM - Chris Crook

The underlying issue relates to python subclasses of C++ classes. When the python object is saved in C++ code (eg in a registry), it loses the python bindings to methods that are over-ridden in the python class- they are not used when the object is called from C++, and instead the C++ base class implementations of the methods are used.

This means that python implementations of C++ base classes (renderers, custom layers, etc) will generally not work.

#10 - 2014-08-29 12:26 PM - Chris Crook

- OS version changed from 7 (64 bit) to 64 bit

#11 - 2014-08-29 03:30 PM - Jürgen Fischer

Despite the /Transfer/ annotation on QgsRendererV2Registry::addRenderer the LayerMetadata instance is deleted. If the metadata is assigned to a member variable of Plugin to avoid it's destruction the GUI page appears.

#12 - 2014-10-25 01:53 AM - Jürgen Fischer

- Priority changed from High to Normal

#13 - 2014-10-25 01:54 AM - Jürgen Fischer

- Category changed from Build/Install to Python plugins

#14 - 2017-05-01 01:09 AM - Giovanni Manghi

- Regression? set to No

- Easy fix? set to No

#15 - 2019-03-09 03:11 PM - Giovanni Manghi

- Resolution set to end of life

- Status changed from Reopened 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/>

Files

LayerTest.zip	4.86 KB	2013-09-22	Chris Crook
---------------	---------	------------	-------------