

## QGIS Application - Bug report #17307

### Problem with conversion of python strings, e.g. when labeling using setCustomProperty()

2017-10-20 10:32 AM - Markus Woehling

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>		
<b>Category:</b>	Python bindings / sipify	
<b>Affected QGIS version:</b>	2.18.13	<b>Regression?:</b> Yes
<b>Operating System:</b>	Windows 10 x64	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 25205
<b>Description</b>		
<p>For me it's not possible anymore to configure labeling (for QgsVectorLayer) using setCustomProperty().</p> <p>I found out that setCustomProperty() is working fine in the python console.</p> <p>So my problem is not setCustomProperty() itself, but something with the QVariant and/or QLatin1String type.</p> <p>Labeling seems to be correctly configured when I check it in the python console:</p> <pre>  layer = iface.activeLayer()   layer.customProperty("labeling")     'pal'</pre> <pre>  layer.customProperty("labeling/enabled")     'true'</pre> <p>But when I look at the types the result is this:</p> <pre>layer.customProperty("labeling").__class__ &lt;class 'future.types.newstr.newstr'&gt;</pre> <pre>layer.customProperty("labeling/enabled").__class__ &lt;class 'future.types.newstr.newstr'&gt;</pre> <p>This code does NOT make labeling work:</p> <pre>  layer.setCustomProperty("labeling", layer.customProperty("labeling"))   layer.setCustomProperty("labeling/enabled", layer.customProperty("labeling/enabled"))</pre> <p>But this code does:</p> <pre>  layer.setCustomProperty("labeling", 'pal')   layer.setCustomProperty("labeling/enabled", 'true')</pre>		

And this code also - at least in the python console:

```
layer.setCustomProperty("labeling",str(layer.customProperty("labeling")))
layer.setCustomProperty("labeling/enabled",str(layer.customProperty("labeling/enabled")))
```

I am not able to workaround this issue, because in my plugin the str() function always return a "newstr".  
Do you have any hints how I could workaround this issue?

Maybe this line of code is the cause of this problem (QgsVectorLayer.cs, line 4546 in master):

```
if ( customProperty( QStringLiteral( "labeling" ) ).toString()==QLatin1String( "pal" ) )
```

## History

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### #1 - 2017-10-20 10:47 AM - Giovanni Manghi

- Priority changed from Normal to High

### #2 - 2018-01-04 07:50 PM - Borys Jurgiel

- Category changed from Python plugins to Python bindings / sipify

### #3 - 2019-01-21 12:34 AM - Jürgen Fischer

- Status changed from Open to Feedback

Please test with QGIS 3.4 - QGIS 2.18 reached it's end of life.

### #4 - 2019-01-21 10:14 AM - Markus Woehling

With QGIS 3.4 everything is working fine.

### #5 - 2019-01-21 10:36 AM - Nyall Dawson

- Resolution set to fixed/implemented

- Status changed from Feedback to Closed