

## 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>	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	<b>Copied to github as #:</b> 25205

#### Description

For me it's not possible anymore to configure labeling (for QgsVectorLayer) using setCustomProperty().

I found out that setCustomProperty() is working fine in the python console.

So my problem is not setCustomProperty() itself, but something with the QVariant and/or QLatin1String type.

Labeling seems to be correctly configured when I check it in the python console:

```
| layer = iface.activeLayer()
| layer.customProperty("labeling")
|
| 'pal'
```

```
| layer.customProperty("labeling/enabled")
|
| 'true'
```

But when I look at the types the result is this:

```
layer.customProperty("labeling").__class__
```

```
<class 'future.types.newstr.newstr'>
```

```
layer.customProperty("labeling/enabled").__class__
```

```
<class 'future.types.newstr.newstr'>
```

This code does NOT make labeling work:

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

But this code does:

```
| layer.setCustomProperty("labeling", 'pal')
| layer.setCustomProperty("labeling/enabled", 'true')
```

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 workaroud this issue, because in my plugin the str() function always return a "newstr".  
Do you have any hints how I could workaroud 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 - Nyal Dawson**

- Resolution set to fixed/implemented

- Status changed from Feedback to Closed