

QGIS Application - Bug report #17305

Labeling using setCustomProperty()

2017-10-18 09:08 PM - Markus Woehling

Status: Closed	
Priority: High	
Assignee:	
Category: Labelling	
Affected QGIS version: 2.18.13	Regression?: Yes
Operating System:	Easy fix?: No
Pull Request or Patch supplied: No	Resolution: invalid
Crashes QGIS or corrupts data: No	Copied to github as #: 25203
Description	
<p>It's not possible anymore to configure labeling (for QgsVectorLayer) using setCustomProperty(). It will be a breaking change in QGIS 3.0, but it's not working in 2.18.13 right now. So I think it's a bug - especially because 2.18.13 is a LTR.</p>	

History

#1 - 2017-10-19 11:03 AM - Giovanni Manghi

- Status changed from Open to Feedback

did it worked in previous qgis releases?

#2 - 2017-10-19 11:13 AM - Markus Woehling

Yes, it did work up to version 2.14 (but I did not check 2.16).

#3 - 2017-10-19 11:18 AM - Giovanni Manghi

- Priority changed from Normal to High

- Status changed from Feedback to Open

#4 - 2017-10-19 05:48 PM - Regis Haubourg

Can you test EasyCustomLabeling plugin?

It uses setCustomProperty() a lot and in my experience, it works on 2.18.13.

#5 - 2017-10-19 11:26 PM - Markus Woehling

EasyCustomLabeling is working on 2.18.13, right.

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 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( QLatin1String( "labeling" ) ).toString() == QLatin1String( "pal" ) )
```

#6 - 2017-10-20 09:46 AM - Giovanni Manghi

- Status changed from Open to Feedback

Markus Woehling wrote:

```
EasyCustomLabeling is working on 2.18.13, right.  
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.

so maybe is better to close this and file a different one? or maybe edit the title and description of this one. Thanks.

#7 - 2017-10-20 10:23 AM - Markus Woehling

I wanted to change the title of this issue to:

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

But I'm not able to do it... so I'll created a new issue.

#8 - 2017-10-20 10:47 AM - Giovanni Manghi

- *Resolution set to invalid*

- *Status changed from Feedback to Closed*

Closed in favor of #17307