

QGIS Application - Feature request #14011

Access QGIS measurement (and all QWidgetAction) widget with a deterministic approach

2015-12-18 01:48 PM - Thomas Gratier

Status:	Open	
Priority:	Normal	
Assignee:		
Category:	Map Tools	
Pull Request or Patch supplied:		Resolution:
Easy fix?:	No	Copied to github as #: 22024

Description

To access the measurement widget in the toolbar that contains "Measure Line", "Measure Area" and "Measure Angle", I have to do the following:

```
iface.attributesToolBar().actions()[8]
```

The problem: it's not deterministic if I choose to add or remove buttons in the "Attributes Toolbar"  
If I do below code, It's again not deterministic because I depend from the translated string

```
from PyQt4.QtGui import QWidgetAction

for action in iface.attributesToolBar().actions():
    if isinstance(action, QWidgetAction):
        if action.defaultWidget().actions()[0].text() in ["Measure Line", "Measure Area", "Measure Angle"]:
            print action.defaultWidget().actions()[0].text()
```

So, I would expect something like

```
from PyQt4.QtGui import QWidgetAction

for action in iface.attributesToolBar().actions():
    if isinstance(action, QWidgetAction):
        if action.data() == "qwidget_measure":
            print "It the measurement QWidget"
```

I don't know if I missed an alternate better way.  
  
If there are not better way, the proposed changed would make action.data() contains an id instead of None at the moment.  
  
I also don't know if it's the best solution too (not enough year of experience with Qt/PyQt)

History

#1 - 2017-05-01 12:46 AM - Giovanni Manghi

- Easy fix? set to No

#2 - 2017-05-10 11:37 AM - Regis Haubourg

- *Category changed from Actions to Map Tools*
- *Description updated*