

QGIS Application - Bug report #17152

Problem with type of (python) QgsComposerItem?

2017-09-16 09:36 AM - Loïc BARTOLETTI

Status:	Closed	
Priority:	Normal	
Assignee:	Denis Rouzaud	
Category:	Python bindings / sipify	
Affected QGIS version:	2.14.18	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: up/downstream
Crashes QGIS or corrupts data:		Copied to github as #: 25051

Description

I have a bug on Debian and FreeBSD exactly like [this](#) We're bringing out this bug [[#3236]]

I want to play with some items of a composition. The example below is to play with a table with the id: "attr" of the second composition
I tested it on different versions of QGIS and different systems:

QGIS 3 Debian

```
myComposition = QgsProject.instance().layoutManager().compositions()[1]
table = myComposition.getComposerItemById('attr')
type(table)
<class 'qgis._core.QgsComposerItem'>
table.columns()
Traceback (most recent call last):
  File "/usr/lib/python3.5/code.py", line 91, in runcode
    exec(code, self.locals)
  File "<input>", line 1, in <module>
AttributeError: 'QgsComposerItem' object has no attribute 'columns'
table.type()
65651
```

QGIS 3 Windows

```
myComposition = QgsProject.instance().layoutManager().compositions()[1]
table = myComposition.getComposerItemById('attr')
type(table)
<class 'qgis._core.QgsComposerItem'>
table.type()
65651
table.multiFrame()
Traceback (most recent call last):
  File "C:\OSGEO4~1\apps\Python36\lib\code.py", line 91, in runcode
    exec(code, self.locals)
  File "<input>", line 1, in <module>
AttributeError: 'QgsComposerItem' object has no attribute 'multiFrame'
table.columns()
Traceback (most recent call last):
  File "C:\OSGEO4~1\apps\Python36\lib\code.py", line 91, in runcode
    exec(code, self.locals)
  File "<input>", line 1, in <module>
AttributeError: 'QgsComposerItem' object has no attribute 'columns'
```

QGIS 2.14 Debian

```
myComposition = iface.activeComposers()[1].composition()
table = myComposition.getComposerItemById('attr')
type(table)
<class 'qgis._core.QgsComposerItem'>
```

```
table.columns()
Traceback (most recent call last):
  File "<input>", line 1, in <module>
AttributeError: 'QgsComposerItem' object has no attribute 'columns'
table.type()
65649
table.multiFrame()
Traceback (most recent call last):
  File "<input>", line 1, in <module>
AttributeError: 'QgsComposerItem' object has no attribute 'multiFrame'
```

QGIS 2.18 FreeBSD

```
myComposition = iface.activeComposers()[1].composition()
table = myComposition.getComposerItemById('attr')
type(table)
<class 'qgis._core.QgsComposerItem'>
table.columns()
Traceback (most recent call last):
  File "<input>", line 1, in <module>
AttributeError: 'QgsComposerItem' object has no attribute 'columns'
table.type()
65651
table.multiFrame()
Traceback (most recent call last):
  File "<input>", line 1, in <module>
AttributeError: 'QgsComposerItem' object has no attribute 'multiFrame'
```

QGIS 2.18 Windows

```
myComposition = iface.activeComposers()[1].composition()
table = myComposition.getComposerItemById('attr')
type(table)
<class 'qgis._core.QgsComposerFrame'>
table.type()
65651
table.multiFrame()
<qgis._core.QgsComposerAttributeTableV2 object at 0x00000000167CE268>
```

Did I missing something?

Thanks

History

#1 - 2017-09-16 10:56 PM - Nyal Dawson

- Resolution set to up/downstream
- Status changed from Open to Closed

This is an upstream bug in newer version of the pyqt4/sip libraries which the python bindings are built using. Upstream is no longer actively developing the qt4 versions of the library, so we're stuck with this bug until 3.0

I tried many workarounds in the qgis code but we cannot fix this - it needs to be fixed upstream..

#2 - 2018-02-12 08:45 PM - Christophe Damour

This problem is still there with QGIS 2.99 :

myLayout.itemById('myid') returns QgsLayoutItem object instead of the object subclass (ie. QgsLayoutItemLabel).

