

# QGIS Application - Bug report #17180

## Atlas crash using python

2017-09-21 07:47 PM - Loic BARTOLETTI

<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> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 25079
<b>Description</b>	
<p>Hi,</p> <p>I asked a question on <a href="https://gis.stackexchange.com/questions/256143/duplicate-composition-with-python-qgis">https://gis.stackexchange.com/questions/256143/duplicate-composition-with-python-qgis</a> about a need to duplicate a composer and deal with it in python.</p> <p>It's maybe a bad code from me, but since it crashes QGIS (tested on Windows and FreeBSD), I open a ticket here to let you know.</p> <p>Thanks.</p>	
<b>Related issues:</b>	
Related to QGIS Application - Bug report # 17181: Crash using QgsComposerAttr...	<b>Closed</b> <b>2017-09-21</b>

### History

#### #1 - 2017-09-22 09:54 AM - Giovanni Manghi

- Status changed from Open to Feedback

This ticket (#17180) or this #17181 ?

#### #2 - 2017-09-22 10:01 AM - Loic BARTOLETTI

Both #17181-2

#### #3 - 2017-09-22 10:02 AM - Giovanni Manghi

- Status changed from Feedback to Open

Please add a description.

#### #4 - 2017-09-22 10:06 AM - Loic BARTOLETTI

For this issue, when you use an invalid output dir, you don't have a crash but it's return my print debug "exportAsPdf", so I suspect a problem into this method (can't see or produce logs now).

#### #5 - 2017-09-22 10:12 AM - Loic BARTOLETTI

Since it's not available in Qgis 2, I'm trying to duplicate a composition with pyqgis translating [this code](#) from Qgis 3. Duplication is fine, but every time I want to export an atlas of this new composition, qgis crash. Do you have any idea?

Here is a reproducible example of my code (using with python console and a small project):

```
from qgis.PyQt.QtXml import *
from qgis.PyQt.QtGui import *
from qgis.PyQt.QtWidgets import *
from qgis.PyQt.QtCore import *

import os

def saveAsTemplate(composition):
    doc = QDomDocument()
    composerElem = doc.createElement( "Composer" )
    doc.appendChild( composerElem )
    composition.writeXML( composerElem, doc )
    composition.atlasComposition().writeXML( composerElem, doc )
    return doc

def duplicateComposition(composition):
    currentDoc = saveAsTemplate(composition)
    compositionElem = currentDoc.documentElement().firstChildElement( "Composition" )
    if compositionElem.isNull():
        print( "selected composer could not be stored as temporary template" )
        return None

    newComposition = QgsComposition(composition.mapSettings())

    if not newComposition.loadFromTemplate(currentDoc):
        print( " Cannot load template " )
        del newComposition
        return None

    return newComposition

myComposition = iface.activeComposers()[0].composition()
newComposition = duplicateComposition(myComposition)

atlas = newComposition.atlasComposition()
atlasLayer = iface.activeLayer()
atlas.setCoverageLayer(atlasLayer)
atlas.setPageNameExpression(atlasLayer.name())
atlas.setEnabled( True )
ret = newComposition.setAtlasMode( QgsComposition.ExportAtlas )
if ret is False:
    print "Error"

outputDir = "C:/temp/export_atlas"
atlas.beginRender()
print("atlas")
num = atlas.numFeatures()
```

```
for i in range(0, num):
    ret = atlas.prepareForFeature( i )
    if ret is False:
        print "prepareForFeatureror"
    printer = QPrinter()
    printer.setOutputFormat(QPrinter.PdfFormat)
    ret = newComposition.exportAsPDF(os.path.join(outputDir, str(i)+".pdf"))
    if ret is False:
        print "exportAsPDF"

atlas.endRender()
```

[Original message](#)

**#6 - 2017-09-28 09:31 AM - Jürgen Fischer**

- Related to Bug report #17181: Crash using QgsComposerAttributeTableV2 after setting columns added

**#7 - 2017-09-28 09:35 AM - Denis Rouzaud**

- Assignee deleted (Denis Rouzaud)

**#8 - 2018-02-22 07:43 PM - Giovanni Manghi**

- Priority changed from Normal to High

**#9 - 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.

**#10 - 2019-01-21 10:22 AM - Loïc BARTOLETTI**

- Status changed from Feedback to Closed