

QGIS Application - Bug report #10887

Qgis return empty QgsComposition from standalone application

2014-07-14 03:46 AM - Fabio Saccon

Status:	Closed	
Priority:	High	
Assignee:		
Category:	Map Composer/Printing	
Affected QGIS version:	2.10.0	Regression?: Yes
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution:
Crashes QGIS or corrupts data:	No	Copied to github as #: 19255
Description		
Qgis 2.4 version return empty QgsComposition from standalone application		
QgsComposition empty from QgsMapRenderer()		
This is the code that work with 2.2		
if I use myMapRenderer=iface.mapCanvas().mapRenderer() from python console it work fine		
 project = "myproject.qgs"		
 QgsProject.instance().setFileName(project)		
QgsProject.instance().read()		
 layertot = QgsMapLayerRegistry.instance().mapLayers()		
myMapRenderer = QgsMapRenderer()		
myMapRenderer.setLayerSet(layertot.keys())		
mapRectangle = QgsRectangle(xmin,ymin,xmax,ymax)		
myMapRenderer.setExtent(mapRectangle)		
 comp = QgsComposition(myMapRenderer)		
comp.setPlotStyle(QgsComposition.Print)		
comp.setPaperSize(180,180)		
comp.setPrintResolution(150)		
composerMap = QgsComposerMap(comp, 0,0,180,180)		
comp.addItem(composerMap)		
 dpi = comp.printResolution()		
dpmm = dpi / 25.4		
width = int(dpmm * comp.paperWidth())		
height = int(dpmm * comp.paperHeight())		
image = QImage(QSize(width, height), QImage.Format_ARGB32)		
image.setDotsPerMeterX(dpmm * 1000)		
image.setDotsPerMeterY(dpmm * 1000)		
image.fill(0)		
imagePainter = QPainter(image)		
sourceArea = QRectF(0, 0, comp.paperWidth(), comp.paperHeight())		
targetArea = QRectF(0, 0, width, height)		
comp.render(imagePainter, targetArea, sourceArea)		
imagePainter.end()		
image.save("c:/temp/test.png", "png")		

History

#1 - 2014-07-15 03:07 PM - Nyall Dawson

- Status changed from Open to Feedback
- Category set to Map Composer/Printing

It's an unfortunate API break in 2.4. You need to pass a QgsMapSettings object to the constructor of QgsComposition. So something like:

```
myMapSettings = QgsMapSettings()
comp = QgsComposition(myMapSettings)
```

Please confirm that this works fine for you.

#2 - 2014-07-16 01:18 AM - Fabio Saccon

Also this produces an empty result

```
myMapRenderer = QgsMapSettings()
myMapRenderer.setLayers(layerset)
```

```
comp = QgsComposition(myMapRenderer)
```

#3 - 2014-07-17 05:15 AM - Giovanni Manghi

Nyall Dawson wrote:

| *It's an unfortunate API break in 2.4.*

should this be tagged as blocker (as a regression)?

#4 - 2014-07-28 06:33 PM - Nyall Dawson

Fabio - can you test explicitly setting your composer map's extent? ie composerMap.setNewExtent(mapRectangle)

#5 - 2014-10-07 11:03 PM - Nyall Dawson

- Status changed from Feedback to Closed
- Resolution set to invalid

Closed due to lack of feedback

#6 - 2015-09-03 03:53 AM - Eric Kuijt

- Target version set to Version 2.10
- Status changed from Closed to Reopened

Qgis 2.10 version still returns empty QgsComposition from standalone application

```

# canvas = iface.mapCanvas() # seems to work
mapRenderer = canvas.mapRenderer()

composition = QgsComposition(mapRenderer)
composition.setPlotStyle(composition.Print)

dpi = composition.printResolution()
dpmm = dpi / 25.4
width = int(dpmm * composition.paperWidth())
height = int(dpmm * composition.paperHeight())

# add a map to the composition
x, y = 0, 0
w, h = composition.paperWidth(), composition.paperHeight()

composerMap = QgsComposerMap(composition, x, y, w, h)

# tried this
mapRectangle = QgsRectangle(0,0,400,400)
composerMap.setNewExtent(mapRectangle)

composition.addItem(composerMap)

# create output image and initialize it
image = QtGui.QImage(QSize(width, height), QtGui.QImage.Format_ARGB32)
image.setDotsPerMeterX(dpmm * 1000)
image.setDotsPerMeterY(dpmm * 1000)
image.fill(0)

# render the composition
imagePainter = QtGui.QPainter(image)
sourceArea = QRectF(0, 0, composition.paperWidth(), composition.paperHeight())
targetArea = QRectF(0, 0, width, height)
composition.render(imagePainter, targetArea, sourceArea)
imagePainter.end()

image.save("/home/eric/%s.jpg" % province, "jpg")

```

I tried this to see if anything would happen, but it didn't.

```

mapRectangle = QgsRectangle(0,0,400,400)
composerMap.setNewExtent(mapRectangle)

```

#7 - 2015-11-07 11:26 AM - Giovanni Manghi

- Target version deleted (Version 2.10)

#8 - 2016-12-27 06:05 AM - Giovanni Manghi

- Target version set to Version 2.14

- Affected QGIS version changed from 2.4.0 to 2.10.0

- Resolution deleted (invalid)
- Priority changed from Normal to Severe/Regression

#9 - 2017-02-28 02:35 PM - Giovanni Manghi

- Status changed from Reopened to Feedback

What is the status of this issue on the most recent QGIS releases?

#10 - 2017-04-30 10:35 AM - Giovanni Manghi

- Description updated
- Status changed from Feedback to Open
- Target version deleted (Version 2.14)

#11 - 2017-04-30 05:08 PM - Giovanni Manghi

- Regression? set to Yes

#12 - 2017-04-30 05:08 PM - Giovanni Manghi

- Priority changed from Severe/Regression to High

#13 - 2017-05-01 01:10 AM - Giovanni Manghi

- Easy fix? set to No

#14 - 2017-08-14 10:34 AM - Jürgen Fischer

- Subject changed from Qgis 2.4 version return empty QgsComposition from standalone application to Qgis return empty QgsComposition from standalone application

#15 - 2018-09-05 04:02 PM - Regis Haubourg

- Status changed from Open to Closed

Closing - QGIS version outdated and next LTR will be QGIS 3 soon. Please reopen if still concerned