

QGIS Application - Bug report #17181

Crash using QgsComposerAttributeTableV2 after setting columns

2017-09-21 08:09 PM - Loïc BARTOLETTI

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Python bindings / sipify	
Affected QGIS version:	2.18.13	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 25080
Description		
<p>QGIS crash when you use this code into the console (with a real project):</p> <pre>table = QgsComposerAttributeTableV2(iface.activeComposers()[0].composition(), False) cols = table.columns() newCol = QgsComposerTableColumn("test_for_crash") newCol.setAttribute("\$id") cols.append(newCol) table.setColumns(cols) [i.heading() for i in table.columns()]</pre> <p>Tested on Windows 7 QGIS 2.18, Debian QGIS 2.14 and FreeBSD 2.18.</p> <p>Seems to be a bad_alloc. Here some logs from Debian:</p> <pre>Warning: QObject::connect: Cannot connect (null)::layerModified() to QgsComposerAttributeTableV2::refreshAttributes() Segmentation fault</pre> <p>FreeBSD show a windows with this error:</p> <pre>cxxrt::bad_alloc</pre>		
Related issues:		
Related to QGIS Application - Bug report # 17180: Atlas crash using python		Closed 2017-09-21

History

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

- Status changed from Open to Feedback

Is this related to #17180 ?

#2 - 2017-09-22 10:00 AM - Loïc BARTOLETTI

No, they're different issues.

I'm working on several projects needing to use the composer and found these two bugs.

#3 - 2017-09-22 10:01 AM - Giovanni Manghi

- Status changed from Feedback to Open

Loïc BARTOLETTI wrote:

No, they're different issues.

I'm working on several projects needing to use the composer and found these two bugs.

thanks, so please add a description to #17180 just not leave the link to stackexchange, thanks.

#4 - 2017-09-28 09:31 AM - Jürgen Fischer

- Related to Bug report #17180: Atlas crash using python added

#5 - 2017-09-28 09:34 AM - Denis Rouzaud

- Assignee deleted (Denis Rouzaud)

#6 - 2017-09-29 01:58 AM - Nyall Dawson

- Resolution set to invalid

- Status changed from Open to Closed

Your code is a bit wrong:

```
cols = table.columns()
```

```
...
```

```
cols.append(newCol)
```

```
table.setColumns(cols)
```

`table.columns()` is returning a pointer to the table's columns, so any edits (such as appending columns) happens immediately. There's no need to call `table.setColumns()` after. This is causing the crash, because the table already has ownership of that columns object.

Admittedly, not the nicest api!