

# QGIS Application - Bug report #21350

## QGIS Crash when running Python script

2019-02-22 03:15 PM - Peter Spurgeon

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> PyQGIS Console	
<b>Affected QGIS version:</b> 3.4.4	<b>Regression?:</b> No
<b>Operating System:</b> Windows 7	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> invalid
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 29168

### Description

### User Feedback

I ran the following Python script and QGIS crashed:

```
from qgis.core import *  
import processing
```

1. supply path to qgis install location  
QgsApplication.setPrefixPath("C:/Program Files/QGIS 3.4", True)

1. create a reference to the QgsApplication
2. setting the second argument to True enables the GUI, which we need
3. to do since this is a custom application

```
qgs = QgsApplication([], True)
```

1. load providers  
qgs.initQgis()

1. Write your code here to load some layers, use processing
2. algorithms, etc.

```
1. load layers  
iface.addVectorLayer("J:/GIS/Projects/TCARTA/00_CandidatePack/London_Major_roads_6m_buffer_32631.shp","Roads","ogr")  
iface.addVectorLayer("J:/GIS/Projects/TCARTA/00_CandidatePack/input/London_Moving_Vehicles_Image1_32631.shp",  
"Moving_Vehicles_Image1", "ogr")  
iface.addVectorLayer("J:/GIS/Projects/TCARTA/00_CandidatePack/input/London_Moving_Vehicles_Image2_32631.shp",  
"Moving_Vehicles_Image2", "ogr")  
iface.addVectorLayer("J:/GIS/Projects/TCARTA/00_CandidatePack/input/London_Static_Vehicles_Image1_32631.shp",  
"Static_Vehicles_Image1", "ogr")  
iface.addVectorLayer("J:/GIS/Projects/TCARTA/00_CandidatePack/input/London_Static_Vehicles_Image2_32631.shp",  
"Static_Vehicles_Image2", "ogr")
```

1. When your script is complete, call exitQgis() to remove the
2. provider and layer registries from memory  
qgs.exitQgis()

### Report Details

**Crash ID:** 9f2badebfea27d2acdf2434061d39cb3d8ecb4a9

### Stack Trace

```
QList<QItemSelectionRange>::size :  
QgsLayerTree::QgsLayerTree :  
QgsLayerTree::customLayerOrder :  
QgsLayerTreeMapCanvasBridge::setCanvasLayers :  
QObject::event :
```

QApplicationPrivate::notify\_helper :  
QApplication::notify :  
QgsApplication::notify :  
PyInit\_core :  
QCoreApplication::notifyInternal2 :  
QCoreApplicationPrivate::sendPostedEvents :  
qt\_plugin\_query\_metadata :  
QEventDispatcherWin32::processEvents :  
TranslateMessageEx :  
TranslateMessage :  
QEventDispatcherWin32::processEvents :  
qt\_plugin\_query\_metadata :  
QEventLoop::exec :  
QCoreApplication::exec :  
main :  
BaseThreadInitThunk :  
RtlUserThreadStart :

### QGIS Info

QGIS Version: 3.4.4-Madeira  
QGIS code revision: commit:f6ddc62fdb  
Compiled against Qt: 5.11.2  
Running against Qt: 5.11.2  
Compiled against GDAL: 2.4.0  
Running against GDAL: 2.4.0

### System Info

CPU Type: x86\_64  
Kernel Type: winnt  
Kernel Version: 6.1.7601

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## History

### #1 - 2019-02-22 08:30 PM - Nyal Dawson

- Resolution set to *invalid*
- Status changed from *Open* to *Closed*

It's not possible to use "iface" from a standalone script, since there's no interface existing. You need to avoid using that API in your script.

Followup questions are better suited to [gis.stackexchange.com](https://gis.stackexchange.com), as this isn't a bug.