

QGIS Application - Bug report #19111

Processing step is ignored in QGIS3 standalone, non-GUI python script

2018-06-04 07:45 PM - Anantha Prasad

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Processing/QGIS	
Affected QGIS version:	3.0.3	Regression?: No
Operating System:	Windows 10	Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: invalid
Crashes QGIS or corrupts data:	No	Copied to github as #: 26941
Description		
The standalone python script ignores the processing.run() line below. The output prints "Finished importing", "Starting zonalstats" but never prints "Finished zonalstats". The very same script works very well inside the python console in Qgis3. I substituted the path in the python console into my standalone script in the hope that it had something to do with it not finding the correct path...but it still does not work. I also tried several combinations by changing the script as per instructions in various forums, with no success. So, it seems like a bug. <pre>from qgis.core import (QgsApplication, QgsProcessingFeedback, QgsVectorLayer) from qgis.core import QgsApplication # See https://gis.stackexchange.com/a/155852/4972 for details about the prefix QgsApplication.setPrefixPath('e:/Qgis3/apps/qgis', True) qgs = QgsApplication([], False, None) qgs.initQgis() # Append the paths inside the python console in Qgis3 sys.path.append('e:\\QGIS3\\apps\\qgis\\qtplugins') sys.path.append('e:\\QGIS3\\apps\\Qt5\\plugins') sys.path.append('e:\\QGIS3\\apps\\qgis\\python') sys.path.append('e:\\QGIS3\\apps\\qgis\\python\\plugins') sys.path.append('E:\\Qgis3\\apps\\Python36\\DLLs') sys.path.append('E:\\Qgis3\\apps\\Python36\\lib') sys.path.append('E:\\Qgis3\\apps\\Python36\\lib\\site-packages\\win32') sys.path.append('E:\\Qgis3\\apps\\Python36\\lib\\site-packages\\win32\\lib') sys.path.append('E:\\Qgis3\\apps\\Python36\\lib\\site-packages\\Pythonwin') sys.path.append('e:\\QGIS3\\apps\\Python36\\Lib\\site-packages') # Append location of DLLs to current system PATH environment variable # os.environ['PATH'] += r";C:\Program Files\QGIS 2.14\apps\qgis-ltr\bin;" from processing.core.Processing import Processing Processing.initialize() print("Finished importing") params = { 'INPUT_RASTER':'E:\\arp\\LEAP\\s823_actfilt.tif', 'RASTER_BAND':1,</pre>		

```
'INPUT_VECTOR':'E:\\arp\\LEAP\\test.shp',
'COLUMN_PREFIX':'actfilt_',
'STATS':[0,1,2],
}
feedback = QgsProcessingFeedback()
print("Starting zonalstats")
processing.run("qgis:zonalstatistics", params)
print("Finished zonalstats")
QgsApplication.exitQgis()
app.exit()
```

Associated revisions

Revision 40a2062e - 2018-06-05 10:27 PM - Nyal Dawson

[python] Don't install error hook by default

This error hook should only ever be used from QGIS app, never from standalone scripts and applications, so we should default to not using it and only install it when initializing python from app.

Otherwise default behavior for standalone scripts based on PyQGIS is to silently swallow exceptions - this leaves script developers **no clues** to go off to debug their applications, meaning that errors which would usually take a couple of seconds to fix become horrible exercises in frustration for those unaware of QGIS' exception handling and the QGIS_DISABLE_MESSAGE_HOOKS environment variable.

Refs #19111

History

#1 - 2018-06-05 02:06 AM - Nyal Dawson

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

You're missing an "import processing" call here.