

## QGIS Application - Bug report #22029

### Wrong Python default path in QGIS server on macOS

2019-05-09 08:25 AM - vince -

<b>Status:</b>	Open	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	QGIS Server	
<b>Affected QGIS version:</b>	3.6.2	<b>Regression?:</b> No
<b>Operating System:</b>	macOS	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 29843
<b>Description</b>		
<p>It appears that QGIS server layout is broken when compiled on MacOS. Frameworks are expected in @loader_path/../../Frameworks/ whereas the right access path is @loader_path/../../Frameworks and for libraries instead of @loader_path/../lib this is @loader_path/../../lib. This is inconvenient, though fixable using install_name_tool.</p> <p>However, when QGIS server starts, the path given to the Python interpreter is wrong, and that causes the server to fail</p> <pre>Initializing server modules from "/Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/lib/qgis/server"  "Checking /Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/lib/qgis/server for native services modules" "Loading native module /Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/lib/qgis/server/libdummy.so" "Loading native module /Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/lib/qgis/server/libwcs.so" "Loading native module /Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/lib/qgis/server/libwfs.so" "Loading native module /Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/lib/qgis/server/libwms.so" "Loading native module /Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/lib/qgis/server/libwmts.so"  "Couldn't load SIP module. Python support will be disabled.  Traceback (most recent call last):   File "\", line 1, in ModuleNotFoundError: No module named 'qgis'  Python version: 3.6.8 (default, Dec 30 2018, 13:01:27) [GCC 4.2.1 Compatible Apple LLVM 10.0.0 (clang-1000.11.45.5)]  QGIS version: 3.6.2-Noosa 'Noosa', exported  Python path: [/Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/./Resources/python', '/Users/lore/Library/Application Support/QGIS/QGIS3/profiles/default/python', '/Users/lore/Library/Application Support/QGIS/QGIS3/profiles/default/python/plugins', '/Applications/MacPorts/Qgis3.app/Contents/MacOS/cgi-bin/./Resources/python/plugins', '/opt/local/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6.zip', '/opt/local/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6', '/opt/local/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/lib-dynload', '/opt/local/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/site-packages']" "An error occurred during execution of following code:</pre>		

```
qgis.utils.uninstallErrorHook()
```

Traceback (most recent call last):

File "\", line 1, in

NameError: name 'qgis' is not defined

Python version:

3.6.8 (default, Dec 30 2018, 13:01:27)

[GCC 4.2.1 Compatible Apple LLVM 10.0.0 (clang-1000.11.45.5)]

QGIS version:

3.6.2-Noosa 'Noosa', exported

Python path:

['/Applications/MacPorts/Qgis3.app/Contents/MacOS/fcgi-bin/../../Resources/python', '/Users/lore/Library/Application

Support/QGIS/QGIS3/profiles/default/python', '/Users/lore/Library/Application

Support/QGIS/QGIS3/profiles/default/python/plugins',

'/Applications/MacPorts/Qgis3.app/Contents/MacOS/fcgi-bin/../../Resources/python/plugins',

'/opt/local/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6.zip',

'/opt/local/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6',

'/opt/local/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/lib-dynload',

'/opt/local/Library/Frameworks/Python.framework/Versions/3.6/lib/python3.6/site-packages']" QFSFileEngine::open: No file name

specified Content-Length: 54 Content-Type: text/xml; charset=utf-8 Server: Qgis FCGI server - QGIS version 3.6.2-Noosa Status:

500 Project file error

This path: '/Applications/MacPorts/Qgis3.app/Contents/MacOS/fcgi-bin/../../Resources/python' is wrong. It should be '/Applications/MacPorts/Qgis3.app/Contents/MacOS/fcgi-bin/../../Resources/python'. So far I have failed to find out where this path was set (in order to correct it). Can anyone help?

## History

### #1 - 2019-05-09 09:14 AM - Giovanni Manghi

- Crashes QGIS or corrupts data changed from Yes to No
- Operating System changed from MacOS X to macOS
- Subject changed from Wrong Python default path in QGIS server to Wrong Python default path in QGIS server on macOS