

## QGIS Application - Bug report #16329

### osgeo4w64, unable to run python3 in command box

2017-03-09 12:56 AM - Richard Duivenvoorde

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>		
<b>Category:</b>	Build/Install	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>		<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>		<b>Resolution:</b>
<b>Crashes QGIS or corrupts data:</b>		<b>Copied to github as #:</b> 24239
<b>Description</b>		
<p>Trying to test a python problem in QGIS3 via python on cli in osgeo4w64 (installed via osgeo4w installer in c:\\osgeo4w64), I open a commandbox by running the bat file:</p> <p>c:\\osgeo4w64\\OSGeo4W.bat</p> <p>Then trying to start python3, I get the following (see also screendump) (This is on WindowsServer2008 machine.)</p> <p>GDAL 2.1.3, released 2017/20/01</p> <p>C:\\osgeo4w64&gt;python3</p> <p>Fatal Python error: Py_Initialize: unable to load the file system codec</p> <p>File "C:\\OSGEO4~1\\apps\\Python27\\lib\\encodings\\__init__.py", line 123</p> <p>raise CodecRegistryError,\\</p> <p>^</p> <p>SyntaxError: invalid syntax</p> <p>Current thread 0x00001b60 (most recent call first):</p> <p>C:\\osgeo4w64&gt;</p>		

## History

#1 - 2017-03-09 01:05 AM - Richard Duivenvoorde

Some googling:

<http://stackoverflow.com/questions/18946286/python3-installed-successfully-but-cannot-be-opened-in-terminal>

apparently it is mixing python2 and python3 stuff, because python2 is in path?

Indeed when I type:

C:\\osgeo4w64>path

PATH=C:\\OSGEO4~1\\apps\\Python27\\Scripts;C:\\OSGEO4~1\\bin;C:\\Windows\\system32;C:\\Windows;C:\\Windows\\WBem;C:\\OSGEO4~1\\apps\\sys\\bin

it is pointing to the Python27 dir?

maybe a more thorough cleanup of PATH (only for python3.bat/bin?)

**#2 - 2017-03-09 01:40 AM - Giovanni Manghi**

- *Target version set to Version 3.0*
- *Category set to Build/Install*

**#3 - 2017-03-09 02:34 AM - Jürgen Fischer**

- *Status changed from Open to Closed*

1. Not a QGIS issue.
2. run call py3\_env.bat first (also call qt5\_env.bat if you want to use PyQt5)
3. use python-qgis.bat (that runs both and provides the environment to import qgis)

**Files**

py3.png	21.1 KB	2017-03-08	Richard Duivenvoorde
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