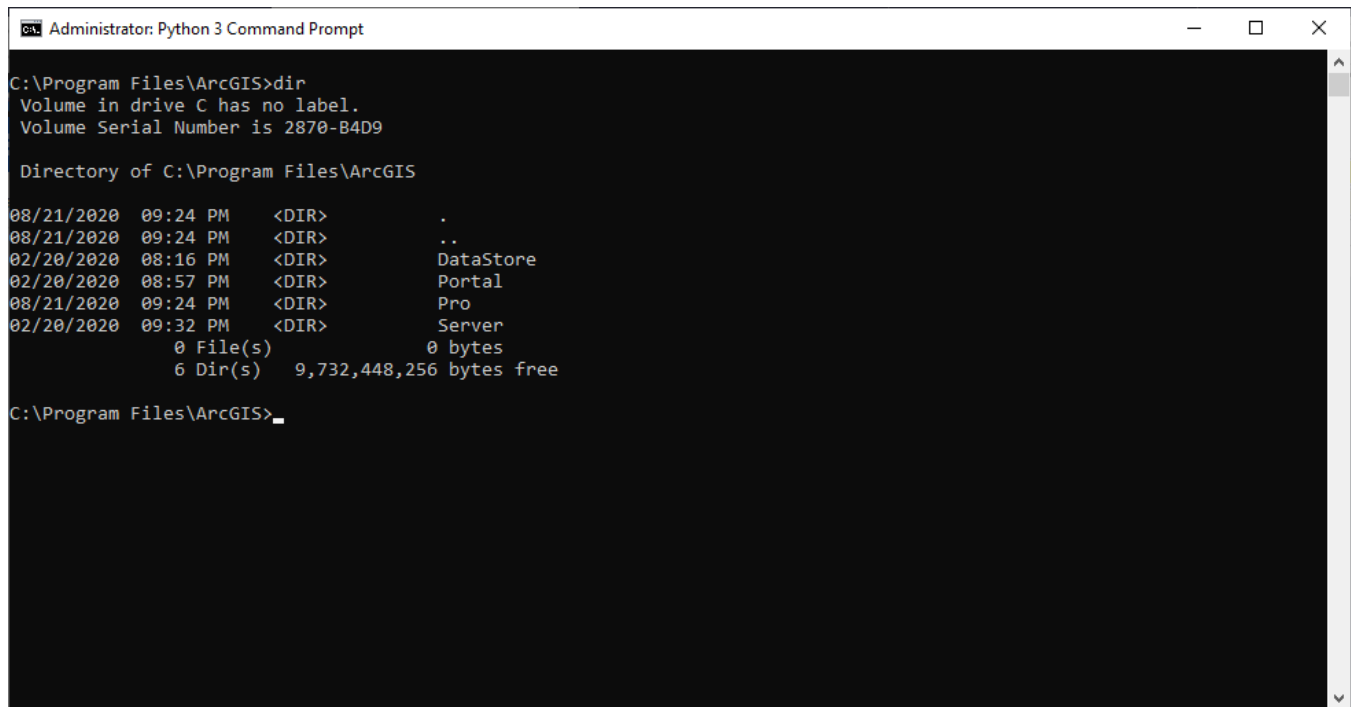


Run arcpy on ArcGIS Windows

There are multiple Python environments available on AWS Marketplace Windows Server image for ArcGIS. Portal, Pro, and Server in the screenshot below have Python.



```
Administrator: Python 3 Command Prompt
C:\Program Files\ArcGIS>dir
Volume in drive C has no label.
Volume Serial Number is 2870-B4D9

Directory of C:\Program Files\ArcGIS

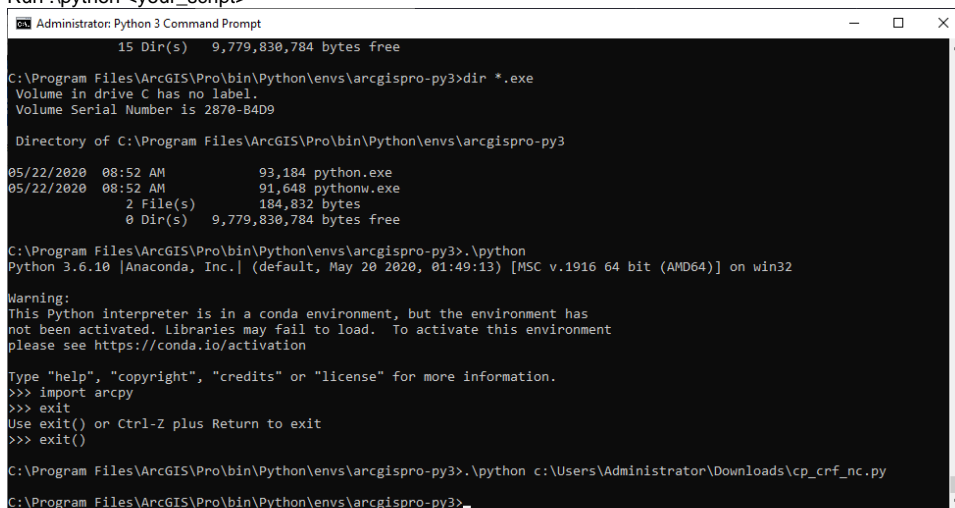
08/21/2020  09:24 PM    <DIR>          .
08/21/2020  09:24 PM    <DIR>          ..
02/20/2020  08:16 PM    <DIR>          DataStore
02/20/2020  08:57 PM    <DIR>          Portal
08/21/2020  09:24 PM    <DIR>          Pro
02/20/2020  09:32 PM    <DIR>          Server
               0 File(s)              0 bytes
               6 Dir(s)  9,732,448,256 bytes free

C:\Program Files\ArcGIS>_
```

Step-by-step guide

If you activated ArcGIS Pro, you need to use the python under Pro/ directory to avoid license error.

1. cd bin/Python/envs/arcgispro-py3/
2. Run .\python <your_script>



```
Administrator: Python 3 Command Prompt
15 Dir(s)  9,779,830,784 bytes free

C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3>dir *.exe
Volume in drive C has no label.
Volume Serial Number is 2870-B4D9

Directory of C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3

05/22/2020  08:52 AM             93,184 python.exe
05/22/2020  08:52 AM             91,648 pythonw.exe
               2 File(s)             184,832 bytes
               0 Dir(s)  9,779,830,784 bytes free

C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3>.\python
Python 3.6.10 [Anaconda, Inc.] (default, May 20 2020, 01:49:13) [MSC v.1916 64 bit (AMD64)] on win32

Warning:
This Python interpreter is in a conda environment, but the environment has
not been activated. Libraries may fail to load.  To activate this environment
please see https://conda.io/activation

Type "help", "copyright", "credits" or "license" for more information.
>>> import arcpy
>>> exit
Use exit() or Ctrl-Z plus Return to exit
>>> exit()

C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3>.\python c:\Users\Administrator\Downloads\cp_crf_nc.py
C:\Program Files\ArcGIS\Pro\bin\Python\envs\arcgispro-py3>_
```

Here's the typical error that you will encounter when the wrong Python was used.



```
File "c:\Program Files\ArcGIS\Server\framework\runtime\ArcGIS\bin\Python\envs\arcgispro-py3\lib\site-packages\arcgisscripting\__init__.py", line 119, in <module>
    from ._arcgisscripting import *
RuntimeError: The software is not authorized for use.
```

Related articles

- [Build Multi-dimensional Information](#)
- [Publish ArcGIS Mosaic Dataset Image Service with Server](#)
- [Run arcpy on ArcGIS Windows](#)
- [Install xarray on ArcGIS Notebook Server](#)
- [Measure the performance of Image Services](#)