Download/Install/Setup Apache to run Django App via LocalHost

\*\* Make sure to have most up today Python 3.7 package downloaded

* Python needs to be installed at the same Operating System type as Computer (84x or 64x)
* Save Python files under c:/Python
* Do custom save to save PATH under c:/Python
* Under the ENVIRONMENT, go to PowerShell and type commands: (In this order)
  + python manage.py makemigrations
  + python manage.py migrate
  + python manage.py check

\*\* Make sure Visual Studio Build Tools

1. Install Apache (Unix version for Windows)

* [How to Install Apache Web Server on Windows - SitePoint](https://www.sitepoint.com/how-to-install-apache-on-windows/)
* [Apache VS16 binaries and modules download (apachelounge.com)](https://www.apachelounge.com/download/) (or whatever is the latest version for Windows)
* Use Apache Lounge for Windows download!

1. Movie installed Apache file to C:\Apache and place everything in there
2. C:Apache\conf\httpd.conf Copy httpd.conf file with correct files paths changed
3. C:\Apache\INSTALL.txt copy INSTALL.txt into new Apache INSTALL.txt file
4. Pip install (via Django app or command line) wheel, beautifulsoup4, PyPi
5. Install mod\_wsgi

* Install mod\_wsgi into python file and Django env

1. In Django python ENVIRONMENT type

* python manage.py collectstatic
  1. “python manage.py collectstatic”
  2. Save data or rewrite for new files
  3. Save in file directly in Django project (do not place new static files anywhere else)

1. GO TO & Open: Visual Studio Developer Prompt (Located under Visual Studio File in start menu)

[How to run Django on Apache using Windows 10, Virtualenv Python and mod\_wsgi. (montesariel.com)](https://montesariel.com/blog/post-3)

Type in command prompt: (AS ADMIN)

set "MOD\_WSGI\_APACHE\_ROOTDIR=C:\Apache24"

C:\WCI\InventoryManagement\WCI\_VA\_Inventory\env1\Scripts\activate

(or whatever the file path is for the Virtual env for the project is located)

mod\_wsgi-express module-config

pip install module-name

deactivate

"C:\Apache24\bin\httpd.exe" -k install -n "Apache HTTP Server"

"C:\Apache24\bin\httpd.exe" -t

"C:\Apache24\bin\httpd.exe" -k start

ERROR if httpd.exe doesn’t start?

C:\Program Files (x86)\Microsoft Visual Studio\2019\Community>"C:\Apache24\bin\httpd.exe" -k start

[Wed Jun 23 15:25:07.815670 2021] [mpm\_winnt:error] [pid 13272:tid 452] (OS 2)The system cannot find the file specified. : AH00436: No installed service named "Apache2.4".

FIX:

"C:\Apache24\bin\httpd.exe" -k install -n "Apache HTTP Server"