## Python as a Backend

### Server Description

* Hosted on ubuntu 18 machine
* Using Apache
* Using python Flask

### Flask App Description

* Wrapper server that allows the .NET backend to send API requests to python scripts rather than manually running scripts from within .NET
* The server is dynamic and requires the user to only add the python script to the designated folder
* i.e. no need to make any changes to the Flask app server to include the new scripts

### Usage

1. Upload the python script needed to be run to the designated folder on the ubuntu machine.
   1. the folder path is: **/home/support/flaskapp/scripts**
   2. the python script needs to read any input needed from the user as command line arguments in a JSON format. e.g:
      1. data=json.loads(sys.argv[1])
2. run sudo service apache2 restart
3. the script can now be called through this POST API call:
   1. http://10.30.31.102/run/{script\_name}
   2. where script\_name is the name of the python script just uploaded
      1. e.g. <http://10.30.31.102/run/hello> to run the python script named: **hello.py**