**Requirements**

* Main script module shall accept two (2) parameters: CSV File location and REST Server URL
* A help message should be printed on demand or if the required parameters are not present
* Your solution shall include minimum of 3 distinct modules 1. Main processing module 2. CSV Module (which reads in and processes CSV file into data structures), and 3. Logging Module
* CSV file must be pulled directly down from the Repo programmatically
* Logging Module shall be created which creates a log file called ‘output.txt’ and appends messages to it for use in the Main module.
* Determine how many devices from CSV file are missing from REST Server. Print the missing device IP addresses in log file for future reference. Store list of missing devices (all data) in memory for future use.
* Create a JSON file that only contain IPv4 address and hostname from the devices.csv file. Generate a random alphanumeric sequence after the hostname that makes the total length of the hostname field (16) sixteen characters long. Include a dash (-) between the existing hostname and the random sequence.
* Log count of devices broken out by Vendor. Format output as appropriate.
* Print count of devices that have MAC addresses that contain with ‘E1’ and are of Vendor type of Juniper, Cisco, or F5.
* Log count of devices whose hostname contains 3 or 5 characters.
* Add (PUT) devices that were found missing from REST Server. This can be achieved through accessing the values that should have previously been stored in memory.
* Log Script start time and end time
* Script does not encounter runtime (unhandled errors)

\*\*Upon completion, store your code in your personal WWT GitHub account