Work Instruction

For powershell script “Compare-TemplateWithConfig.ps1”

# Purpose

This script is to compare the configuration files, extracted from network devices with the standard template.

## How it was done before?

Before the script it was being done manually by associates.

## How this script will help?

* Script will require minimal manual input and will be significantly time saving
* Large amount of configurations can be compared at once
* It will help in avoiding error

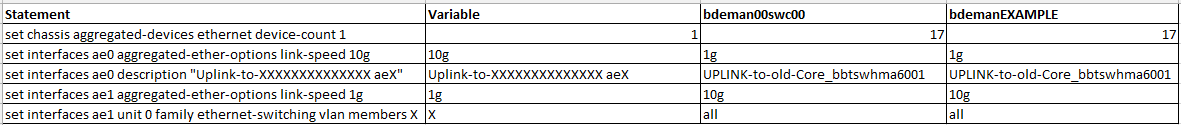
# Instructions

## Presetups

* Create a folder, let’s say “Working Directory”
* Put template text file “template.txt” in it
* Create a master CSV (Comma Separated Value) file and name it “master.csv” and put in the folder.
  + Master file would contain three or more columns, with heading “Statement”, “Variable” and rest of the columns will have device name as heading.
  + In “Statement” column, there will be statements as it is there in the “templates.txt”
  + In “Variable” column, there will be variable part of the statement, that will change from configuration to configuration.
  + In columns with heading device name as heading, there will be values for that device for respective variable

**NOTE:** In “template.txt” there are some statements, in which there is no variable but some example value, in that case this example value should be there in the “Variable” column.

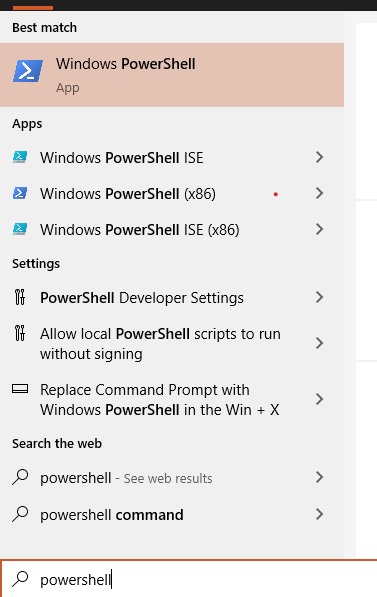
Below is an example screenshot of Master file.



* Collect all the configuration file of all the devices and keep it in the folder. Name each file as the device name. e.g. configuration file of device “bdeman00swc00” will be “bdeman00swc00.txt”

## Starting powershell

* Open powershell from start menu



* Run following command, and upon prompt press “y” and enter.

Set-ExecutionPolicy -Scope CurrentUser -ExecutionPolicy Unrestricted

## Running the script

* Navigate to the location of script, e.g. if it is in “Network Script” Folder, run following command

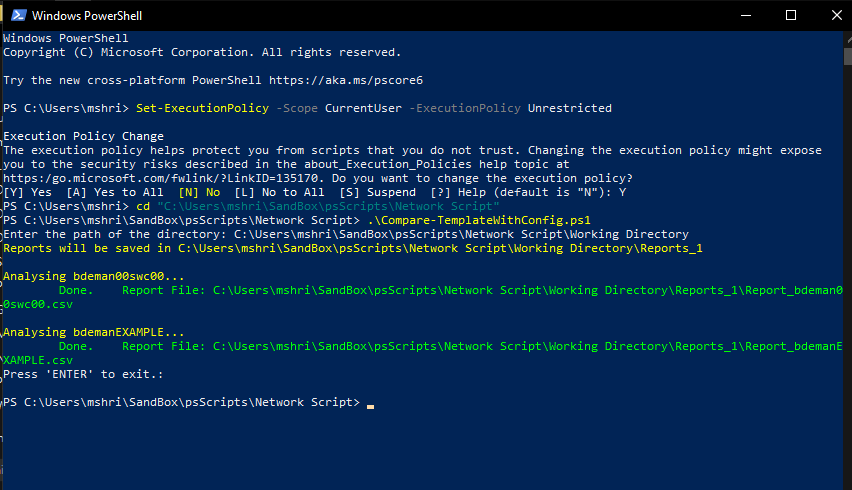
cd "C:\Users\mshri\Network Script"

* Enter following command to start the script

.\Compare-TemplateWithConfig.ps1

* When prompted, enter the full path of the directory created in presetups
* Script will start and will show the progress
* Check the location of reports directory
* Separate report for each configuration file will be saved in report directory
* Upon competition when prompted press enter

Below is the sample screenshot:



## Checking Report

* Everytime script is run, a new report directory is created
* In this directory report for each configuration is saved
* Reports are saved in CSV format
* Reports contains three columns, “Statement In Template”, “Statement in Config” and “Is Matched?”
* “Statemenmt In Template” is compared with “Statement in Config” with help from “master.csv” file.
* “Is Matched?” contains “Yes”, “No” or “Extra” based on if it is matched with template or not or it is extra statement in configuration file.

Below is a sample report screenshot:

