|  |  |
| --- | --- |
| **Topic:** | Output clients on hchp servers |

Use Care:  
Script outputs DHCP clients.

Requirements:

* Execution policy set to unrestricted
* Access to the active directory server with the account you run the script with.

**Process for Using the outputFromDHCP.ps1 Script**

1. **Open PowerShell**:
   * Press Win + R, type powershell, and press [Enter](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html).
2. **Navigate to the Script Directory**:
   * Use the cd command to navigate to the directory where outputFromDHCP.ps1 is located.

cd path\to\your\script\directory

1. **Run the Script**:
   * Execute the script by typing the following command:

.\outputFromDHCP.ps1

1. **Select a DHCP Server**:
   * The script will list available DHCP servers.
   * You will be prompted to select a server by name or number. Type [name](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html) or [number](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html) and press [Enter](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html).
   * Enter the corresponding server name or number when prompted.
2. **Select DHCP Scopes**:
   * You will be prompted to select a single scope ([S](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)), all scopes ([A](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)), or quit ([Q](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html)).
   * Type [S](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html), [A](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html), or [Q](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html) and press [Enter](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html).
   * If you select a single scope, enter the scope ID number when prompted.
3. **View Client List**:
   * The script will list clients from the selected DHCP server and scopes.
   * The client details will be displayed in the PowerShell window.
4. **Output to CSV Files**:
   * The script will generate two CSV files in the script directory:
     + Full DHCP Client List.csv: Contains the full list of DHCP clients.
     + Scope List.csv: Contains the list of scopes with client counts.

**Example Commands**

# Navigate to the script directory

cd C:\Scripts

# Run the script

.\outputFromDHCP.ps1

# Follow the prompts to select a server and scopes

**Notes**

* Ensure you have the necessary permissions to run PowerShell scripts and access DHCP server information.
* The script uses [Get-DhcpServerInDC](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html) and [Get-DhcpServerv4Scope](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html) cmdlets, which require the DHCP Server module. Ensure this module is installed and imported.
* The output CSV files will be saved in the same directory as the script. Adjust the [$outputDestination](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html) variable in the [outputFromDHCP](vscode-file://vscode-app/c:/Users/e103719/AppData/Local/Programs/Microsoft%20VS%20Code/resources/app/out/vs/code/electron-sandbox/workbench/workbench.html) function if you need to change the output path.