

CST8202 – Windows Desktop Support

Lab 7-Scripting

Purpose:

To expand on skills withing PowerShell by working with automation.
Practice creating scripts to perform regular monitoring and administration tasks

Equipment/Resources:

College Approved BYOD Laptop
Access To Brightspace
Windows 10 Virtual Machine
VMWare Workstation

Objectives: For each section below create the necessary script logic and code to complete the specified functionality. Comment each function, loop, and code block. Script operators should not be presented with PowerShell errors. All errors and exceptions must be handled.

Section 0:

Create a new ps1 file and add a comment to the top lines with includes the program name, creator, relevant contact information, and location of log file. Logs should contain the date and time the program was run, the user account that ran the program and any operations performed.

Section 1: Create a Menu

Menu Options:

1. Create a new user
2. Remove a user
3. Create 100 Users
4. Create Users from File
5. Exit

If the option to exit is selected then the program should close and append date, time, current user and program name to log file.

Section 2: Interactively Create Users

Prompt the operator for:

A username

Check if User Exists and Handle Errors
Prompt to Set Secure Pass
Add user to Users group
 Add to a custom group
 Create the group if it does not exist
 A description for this account.
 The description should include the account creation date.
Log Action in the logfile
Link this Function to the appropriate Menu Item

Section 3: Remove Users

Prompt the operator for:
 A username
 BONUS: generate a list of users to select from a list
To remove Home Directory and contents
If yes remove home directory and contents
Log Action in the logfile
Link this Function to the appropriate Menu Item

Section 4: Create Multiple Users

Create 100 Users from User00 to User99
Set each into Users group
Set a default Password
Force PW change on next login
Log Action in the logfile
Link this Function to the appropriate Menu Item

Section 4: Create Users from File

 The sample file "UserList.csv" has been provided.
Each user should be added to the Users group, their primary group, and secondary groups
Each user should be forced to change password upon next login.
 Log Action in the logfile
 Link this Function to the appropriate Menu Item

List of Deliverables:

- Completed ps1 Script
- Comments for functions loops and major code blocks
- Your Scripts logfile

- Before you submit your work you should test each function one final time to ensure operation.

Submission Requirements:

PS1 Script and Logfile

Incomplete Submissions will be graded for partial credit.