

Assignment 3 – MS Windows User Management Scripting and Functions

Task

Create a PowerShell script that will perform the following tasks:

1. Add a Local User (7pts)
2. Change Password (5pts)
3. Add a User to an Existing Local Group (5pts)
4. Remove a User (5pts)
5. Log all User Changes as an Event Log [Write-EventLog] (8pts)
6. Include What-If functionality in "RemoveWindowsUser" function (3pts)
7. Script Header Information (2pts)

The script should include the following Functions:

1. AddWindowsUser with parameters for "UserName", "Password", "LocalGroup"
2. ChangeUserPassword with parameters for "UserName", "Password"
3. AddToLocalGroup with parameters for "UserName", "LocalGroup"
4. RemoveWindowsUser with parameters for "UserName"
5. RemoveFromLocalGroup with parameters for "UserName", "LocalGroup"

Notes

1. All tasks should print an Entry into the Windows Event Log.

`Write-EventLog -ComputerName "MyComputer" -EntryType SuccessAudit -LogName "Application" -Source "AddWindowsUser" -EventID 7001 -Message "Windows User Created"`

The functions should all print -EntryType FailureAudit or SuccessAudit to the Windows Event Log

2. You should include a Header with your Name, Class, Date, Script Description
3. All Functions should include some basic validation e.g. if a User Name already exists the Function should Inform the User, if a User specifies a Windows Group name that does not Exist, the user should be informed that an Error occurred and an Entry into the Event Log should be printed
4. For each entry in the Windows Event Log you should pass the ComputerName using the env: variable instead of passing the computer name statically.
5. The "RemoveWindowsUser" function should allow a What-If to be performed

Resources:

<https://docs.microsoft.com/en-us/powershell/module/microsoft.powershell.management/write-eventlog?view=powershell-5.1>

<https://winaero.com/create-user-account-windows-10-powershell/>

<https://4sysops.com/archives/the-powershell-whatif-parameter/>

You should submit in BrightSpace:

1. A Script file (.ps1) with all functions included.

The deadline for this Assignment is Sun, 28th November at midnight. If you miss the deadline you will lose 5% per day that you are late.