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 (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

1. The “RemoveWindowsUser” function should allow a What-If to be performed
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 exist 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

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 Mon, 23rdth November at midnight. If you miss the deadline, you will lose 5% per day that you are late.