

LAB 4



Group Policies
100 Points Total

DUE 03/01/2019 11:59:59 PM

Overview

In this lab, students will learn about Machine/Virtual Machines (VMs) and the importance of Windows 10 Security Technical Implementation Guide (STIG), which is published as a tool to improve the security of Department of Defense (DoD) information systems.

Assignment & Instructions

Note: For each question asked, label your answer with the part, followed by the instruction. For example, your response to a question posed in Part 1, instruction 1, should be labeled as **I-1**:

Part I-A: Windows 10 Hardening (50 pts)

1. With the Excel sheet provided on BeachBoard, go through the 25 items to harden your machine.
2. Some cells have questions or will ask you to take screenshots. Please label those as per their respective cell (e.g row 2) just simply put a 2, #2, 2) etc. and the work you are being asked to do.
3. Once you are done. Open a CMD prompt as Administrator
4. Type the following → `gpreresult /r /v > <Enter Location Path of your file to be created>\<LastName.txt>`
5. Upload this file along with your report.

Part-B: (50 pts)

1. Now create a group policy to prevent all Users from Shut Down, Restart, Sleep and Hibernate commands
2. Now create a group policy to prevent all Users from being able to access any type of removable media
3. Now create a group policy to enforce password history, complexity, age
 - Set it to remember the last 24 passwords you entered
 - Set complexity requirements to enable
 - Set the maximum password age to 30 days
4. Now create a group policy to remove all CLT+ALT+DEL options
5. Set settings to whole disk encrypt your VM.
6. Now create a Local User. Name it "**FalconX**" and make sure **FalconX** is not an Admin, then take a screenshot.
7. Restart your machine, and log in using user **FalconX**
8. Now shutdown the VM. Were you able to Shut Down the VM? If yes, explain how you did it? If not, explain why not?

(Hint: You will need to do some googling)