

Summer Bootcamp Homework 5

Windows Week

Initial Set Up

- Connect to the [Global Protect VPN](#)
- Navigate to [gonk.sdc.cpp](#) and open the console for the Windows VM (cd-su-windows) in the pod we deployed last week
 - Administrator:Password123

Questions

Answer the following questions (use the Windows VM to test if needed)

1. Which GUI pane lets you manage Scheduled Tasks, Event Viewer, Shared Folders, and Local Users all in the same place?
2. Using the Group Policy Editor, what settings would you change to enforce a secure password policy across all domain accounts?
3. What protocol allows programs, applications, and websites to integrate **domain** user authentication and authorization? Is there a secure version? What ports do they use?
4. **BONUS:** In 2-3 sentences, explain the concept of Kerberos authentication. What is the command used to delete all cached Kerberos tickets?

Lab

Complete the following tasks on the Windows VM

1. Install "Active Directory Domain Services" through Server Manager and promote this Windows Server to a Domain Controller.
 - a. Fill out the necessary information and create your domain!
2. Add domain users to your domain in "Active Directory Users and Computers"

- a. Create at least 2 users
3. Create an SMB shared folder
 - a. Ensure only ONE of your created users can access this share
 - b. Confirm that you can access the share from the Linux VM
(cd-su-linux) with this user
 - c. **BONUS:** Grab a funny picture from the Internet, place it in the SMB shared folder, pull it onto the Linux VM, and set it as the Linux VM's wallpaper!
4. **BONUS:** SMB is susceptible to a notorious cyber attack. What is it (explain in 1-2 sentences)? What are strategies to mitigate this threat? Implement a mitigation strategy.

Deliverables

In a single PDF:

1. Answers to the questions above
2. Documentation of how you completed the lab tasks