LAB 7 - Windows networks and file permissions

perform this in windows 7, 8 and xp

networking

1. access the network properties of your network card.
2. ensure the driver is up to date if not update the driver.
3. Make sure Link Speed and Duplex value is set to Auto Negotiation.
4. Make sure TCP and UDP Checksum Offload (IPv4) is Enabled.
5. configure a static IP address on them team server and your laptops and make sure that you can ping the server and each other`s laptop.
6. Make the team server dual homed. Change the IP address on some off the laptops and make sure you can ping the server. The laptops in one IP range should not be able to ping laptops in the other IP range .
7. Configure so that the team server can have Dynamic and static address.
8. When the server has dynamic address given by the DHCP, find out the lease obtained date and lease expiry date.
9. Make sure Priority and VLAN is enabled.
10. Find out the driver version number.
11. Change the MAC address to AA:AA:AA:AA:AA by 2 methods.
12. Restore the MAC address back to the original MAC address and make sure you have internet connectivity using ping.
13. Open IE and start google.com and facebook.com. Tell the application that is Establishing a connection to the internet and their PID and also the port number of the foreign address.
14. Use the TCPVIEW tool and do the same.
15. Make sure network discovery is turned on.
16. Disable Jumbo packets.
17. make sure "Allow the computer to turn off this device to save power" is checked.
18. Turn off file and printer sharing
19. Configure so that you can only visit

www.google.com, www.facebook.com, www.gmail.com, www.yahoo.com, www.hotmail.com

1. Configure so that all the auto-complete history is deleted.
2. Configure the host file so that www.google.com has IP address 74.125..198.99 and www.facebook.com has the IP address 31.13.66.160
3. Configure Remote desktop on user1 and RDP from the admin account.
4. Use 128 but encryption for file sharing

file permissions

1. Navigating to folders -"Boot, temp" using command prompt
2. List out the folders in the directory given above.
3. Create 10 folders using command prompt
4. copy folders (1-5 folders) to user users folder
5. moving folders ( 5-10 folders) to user users folder
6. Hide folders 4,7 and 10 using command prompt.
7. configure so that the computer searches each file names and contents when you search for a file. It should also search for the compressed files.
8. Give the search command that can be used to search all the txt files in a given drive.
9. Show ALL the hidden files and their file extensions.
10. Create 15 folders one in each users home directory and name it user\_work\_1 through user\_work\_15
11. Enable media streaming options and let the devices be shown only on local network
12. Customize the media streaming settings so that the following media programs are streamed
13. 3 star and above media is streamed
14. have parental ratings on all unrated media.
15. Audit when a folder is successfully created by the user in their home directory.
16. Audit when a permission fails to be changed by the user in their home directory.
17. Change the owner if the user home folders to the corresponding user.
18. Make another folder named TOP SECRET and make user1 as the owner of this file. Deny access to this TOP SECRET folder to anyone except the user1. The admin also should not be able to access this TOP SECRET file. Now delete user1 as he changed job. Configure so that you can access this TOP SECRET folder.
19. Add user1 again and create a folder called SHARE. share this folder so that users1 through 5 can only read, users 5 to 10 can read and write. and group 3 have full access to modify the folder.
20. Give admin the ownership of the share folder.
21. Enable smb signing.
22. Audit when a folder, subfolder and file is deleted by the user in the share directory.
23. Limit the simultaneous connections to 10 connections for the share folder.
24. Users 1 and 7 should not be able to delete subfolders and files.
25. Make sure no files or program from the shared folder is available offline
26. Configure so that only documents can be save in the shared folder and all sub-directories.
27. Allow the admin to take ownership.
28. Find out if there is any previous versions of the share folder, if there is find the date modified.
29. Encrypt the data in the share folder and all the sub folders in it.