

PRACTICAL LAB ASSIGNMENT 2

TERM	COURSE NAME	COURSE CODE	VERSION
Fall 2020	Basic Administration of Microsoft Windows	WIN210	A

Name	
Student Number	
Section	

TIME ALLOWED: 5 days – due Friday

PERCENTAGE: 25%

TOTAL MARKS:	Test Setup	2 Marks
	Part A: Permissions	9 Marks
	Part B: Printing	9 Marks
	Part C: DHCP	9 Marks
	<u>Part D: Monitoring</u>	<u>5 Marks</u>
	Total	34 Marks

SPECIAL INSTRUCTIONS:

1. You must have a configured and working Server1 for this test with all Roles from the labs properly installed and configured.
2. When creating screen shots, ensure the resolution makes the images readable and that they are cropped to show only the necessary screens. This may require an adjustment of the resolution of the screens in VMWare. Do not take images of your entire desktop.
3. No smartphone photos. Use the Snipping Tool or Print Screen plus MSPaint or another computerbased screen capturing tool.
4. Every image must have your domain name or computer name visible (showing your SenecaID). You may want to leave a screen open that shows this, such as Server Manager > Local Server
5. Upload test file to MySeneca once complete

This test includes a cover page, plus two (2) pages of questions and one marking sheet.

SENECA'S ACADEMIC HONESTY POLICY

As a Seneca student, you must conduct yourself in an honest and trustworthy manner in all aspects of your academic career. A dishonest attempt to obtain an academic advantage is considered an offense and will not be tolerated by the College.

Test Setup

1. Create a folder on your SSD named Practical2.
This is where you will store all your screenshots during the test.
2. Create an MS Word document named Your_SenecaID Practical2.docx Save it into the Practical2 folder on your SSD or Hard Drive.
3. At the top of the MS Word document, type your name, SenecaID and student number. Type the following labels, leaving at least one blank line between each label: PartAA1, PartA1, PartA2, PartB1, PartB2, PartB3, PartC1, PartC2 and PartD1. Save the file but keep the file open during the test so you can paste screenshots into the file. Save the file after each screenshot insert.
4. Open your Server1 VM and boot Windows Server and login as the domain administrator.
Server1 needs to already be configured as a Domain Controller, DNS Server, Print Server, and DHCP Server before starting the test. If any of the roles are missing, you will need to install and configure them before you are able to complete the test/assignment.

Part AA – Create a New User and Domain Local Group

1. Create a new user (not in an OU) named PLab2_User.
2. Create a new Domain Local Group named PLab2_DLG.
3. Add the PLab2_User to the PLab2_DLG group.
4. Take a screenshot that shows PLab2_User is a member of the PLab2_DLG group. (PartAA1.jpg)

Part A – Create a Share and Set Permissions

1. Make a folder named Practical_Files on the root of the C: drive.
2. Share the folder and set share permissions so that ONLY Everyone has Full Control.
3. Take a screenshot that shows the share name and share permissions on the folder (PartA1.jpg)
4. Create a file in the Practical_Files folder named Test2.txt.
5. Configure the permissions so that ONLY the PLab2_DLG group has the Read NTFS permissions on the file.
6. Take a screenshot that shows the NTFS permissions on the Test2.txt file. (PartA2.jpg)

Part B – Configure a Shared Printer

1. Create a new shared printer using any Canon printer driver and a TCP/IP port with the following IP address: 10.0.xxx.65
2. The shared printer name should be Practical 2 Printer. Do not change the printer name. Leave it as the default name, which will be the name of the device you selected.

3. Change the print permissions to add the PLab2_DLG group having Manage Documents permission.
4. Take a screenshot showing the Printer Properties Sharing tab (PartB1.jpg)
5. Take a screenshot showing the TCP/IP port used for the printer on the Ports tab. (PartB2.jpg)
6. Take a screenshot of the permissions for the shared printer on the Security tab. (PartB3.jpg)

Part C – Create a DHCP Scope and Reservation

1. Create a new scope, named TestScope, with a range of 192.168.0.100 – 192.168.0.200 with a subnet mask of 255.255.255.0, a default gateway of 192.168.0.1 and DNS Servers of 192.168.0.11 and 192.168.0.12. (The system will try to validate the scope and it will fail. Add it anyway.)
 2. Take a screenshot showing all the above details (options) of your new scope. You may require more than one screen shot to include everything. (PartC1.jpg)
 3. Determine the MAC address of your Server1 and record it here:
-
4. Create a reservation for your Server1 using 192.168.0.102.
 5. Take a screenshot showing the properties of the reservation, including the MAC address. (PartC2.jpg)

Part D – Create a Graph on Performance Monitor

1. Using the Performance Monitor tool, create a graph that will monitor the following counters:
 - Processor: %Processor Time
 - System: Processor Queue Length
 - Memory: Pages/sec
 - Network Interface: Output Queue Length
 - PhysicalDisk(_Total): Current Disk Queue Length
 ***If you have multiple instances of the counters, use _TOTAL or <all instances> option
2. Create some activity by opening and closing a few tools or programs on the VM where you have created the graph.
3. Take a screenshot of the Performance Monitor graph dialog box showing your counters and the graph. (PartD1.jpg)

Submitting the Screenshots to MySeneca

1. Paste all screenshots into the MS Word document in order using the labels you created during the test setup. Save the file and then Save the file as a PDF or Print to PDF.

Make the file name: Your_SenecaID Practical2.PDF

2. Upload the file to the appropriate test link on MySeneca.

(MySeneca > WIN210 > CourseDocuments > Tests+Practical Lab Assignment > Practical Lab Assignment 2 – OR use the link in the Week 12 Module)

Marking Sheet

Test Setup (PDF file, organized with labels)	/2

PartAA1	
New user account is in domain local group	/3
PartA1	
Folder shared	/2
Everyone: Full Control permissions set (and no other share permissions)	/2
PartA2	
NTFS Permissions show PLab2_DLG: Read	/2
PartB1	
Printer Properties Sharing Tab - Canon Printer Driver	/3
- Share Name: Practical 2 Printer	/2
PartB2	
Printer Properties Ports Tab showing correct TCP/IP port	/2
PartB3	
Printer Properties Security tab showing PLab2_DLG: Manage Documents	/2
PartC1	
Scope (Address) Range	/2
Subnet Mask	/1
Default Gateway	/1
DNS Servers	/2
PartC2	
Reservation for Server1 using MAC address	/3
PartD1	
All counters displayed in graph	/3
Graph displaying activity	/2
TOTAL MARKS	/34

