

CIT210/L OP. SYS. MANAGE (Lab Assignment 1)

Lab 1: Deploying and Managing Linux and Windows Operating Systems (80 Points)

(IMP NOTE: This Assignment will be graded on Tasks Performed by Student (installation of Various Virtual OS, Connecting OS and making ssh connections) Take Screenshots whenever complete the task or even you are getting error or any other issues. It is highly recommended to complete the connectivity task. If for some reason Student is not able to complete the complete the tasks partial grades will be awarded.)

Deliverables (Screenshots of Completed Tasks)

Task 1. Install and Configure Windows 10/11 Virtual Machine. (15 Points)

Task 2. Install and Configure Windows Server 2016/2019/2022 Virtual Machine. (15 Points)

Task 3. Install and Configure Linux Centos Virtual Machine (15 Points)

Task 3: Configuring IPv4 and IPv6 Addresses and Connecting Linux and Windows Virtual Machines. (20 Points)

1. a. Ping Centos from (Windows 10/11 or Windows Server) (10 Points)

b. Ping (Windows 10/11 or Windows Server) from Centos (10 Points)

(Take Screenshots)

Task 4: Remote access using ssh (15 Points)

Verify that the firewall permits port 22 / ssh over TCP.

1. Obtain the Centos linux IP address. Record it here.

IP address _____

2. Use the SSH client (putty on windows 10/11 or linux ssh application) to log on to the server.

3. Respond appropriately to the message regarding the SSH fingerprint.

4. After you are logged on, create an empty file to prove that you completed this exercise.

Create LASTNAME-LAB1-ssh.txt file and Capture the screen shot.