## **CMPE 305 Data and Digital Communication**

#### MP3 - Basic Switch and OSI Model

Delima, Sheena Mae D.

BSCPE 3-3

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# 2.9.1 Basic Switch and End Device Configuration

# **Objectives**

- Configure hostnames and IP addresses on two Cisco Internetwork Operating System (IOS) switches using the command-line interface (CLI).
- Use Cisco IOS commands to specify or limit access to the device configurations.
- Use IOS commands to save the running configuration.
- Configure two host devices with IP addresses.
- Verify connectivity between the two PC end devices.

#### Scenario

Cisco network manager has asked you to n (IOS) demonstrate your ability to configure a small LAN. Your tasks include configuring initial settings on two switches using the pecify Cisco IOS and configuring IP address parameters on host devices to provide end-to-end connectivity. You are to use two switches and two hosts/PCs on a cabled and powered network.

# Instructions

Configure the devices to fulfill the requirements below.

# Requirements

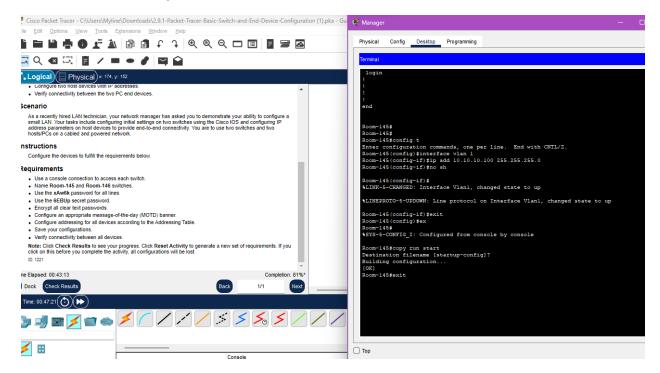
Use a console connection to access each switch.

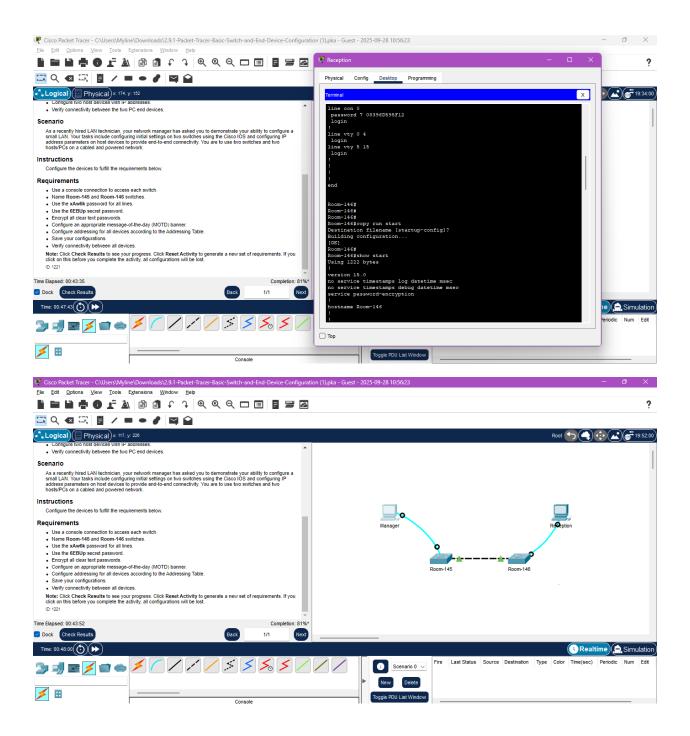
- Name Room-145 and Room-146 switches.
- Use the xAw6k password for all lines.
- Use the 6EBUp secret password.
- Encrypt all clear text passwords.
- Configure an appropriate message-of-the-day (MOTD) banner.
- Configure addressing for all devices according to the Addressing Table.
- Save your configurations.
- Verify connectivity between all devices.

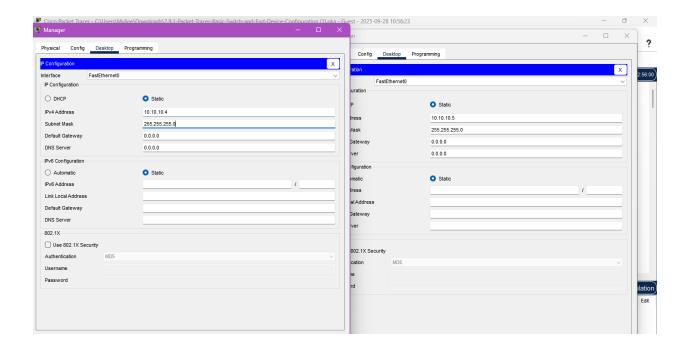
Note: Click Check Results to see your progress. Click Reset Activity to generate a new set of requirements. If you click on this before you complete the activity, all configurations will be lost.

ID: 1200

### **Source Codes & Output SS**







### **COMPLETION:**

