

1.3.1.3 Packet Tracer - Skills Integration Challenge

Addressing Table (10pts) (1.25 pts for each. 8 blanks)

Device	Interface	IP Address	Subnet Mask
Room-145	VLAN 1	128.107.20.10	255.255.255.0
Room-146	VLAN 1	128.107.20.15	255.255.255.0
Manager	NIC	128.107.20.25	255.255.255.0
Reception	NIC	128.107.20.30	255.255.255.0

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

As a recently hired LAN technician, your network manager has asked you to demonstrate your ability to configure a small LAN. Your tasks include configuring initial settings on two switches using the 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.

Requirements (20pts)

Complete each requirement below by entering the commands CLI in the Packet Tracer lab. Fill in the blanks below. (.625 pts for 10 blanks)

1. Use a console connection to access each switch. (2.5pts)
2. Name Room-145 . (2.5pts) and Room-146 (2.5pts) switches.
 - What command did you use? hostname
3. Use the **8ubRu** password for all lines. . (2.5pts)
 - What command did you use? password
4. Use the **C9WrE** secret password. . (2.5pts)
 - What command did you use? Enable secret
5. Encrypt all clear text passwords. . (2.5pts)
 - What command did you use? service password-encryption _
6. Include the word **warning** in the message-of-the-day (MOTD) Banner. . (2.5pts)
 - What command did you use? service password-encryption
7. Configure addressing for all devices according to the Addressing Table.
8. Save your configurations. . (2.5pts)
 - What command did you use? Write

Note: Click **Check Results** to see your progress. Click **Reset Activity** to generate a new set of requirements.

1.3.1.3 Packet Tracer - Skills Integration Challenge

Connectivity Tests (10pts)

Pinging from each to each port verifies a functional network, This can be done in the Lab. The lab will record your pings.

Ping From Device IP	Ping to Device IP	Results	Solutions if Ping Fails
128.107.20.25	128.107.20.10	0% loss	
128.107.20.30	128.107.20.15	0% loss	
128.107.20.25	128.107.20.15	0% loss	
128.107.20.30	128.107.20.10	0% loss	

PACKET TRACER LAB GRADING RUBRIC

Element	Criteria	None: Criteria not met	Some: Less than half of the specified criteria is met	Most: More than half of the specified criteria is met	All: All of the specified criteria is met	Points Earned	Instructor's Comments
Requirements	<ul style="list-style-type: none"> Each requirement/step has been completed. 	0 pts.	1–9 pts.	10–19 pts.	20 pts.		
Address Table/ Questions Answered	<ul style="list-style-type: none"> All address tables and/or questions have been answered. 	0 pts.	1–4 pts.	5–9 pts.	10 pts.		
Configuration/ IP Address	<ul style="list-style-type: none"> Configurations and/or IP addresses are correct, creating a functional network. 	0 pts.	1–4 pts.	5–9 pts.	10 pts.		
TOTAL							Out of 40 points