

Packet Tracer - Skills Integration Challenge

Topology

Note: You can use this document to record the random values (router names, addressing, etc.) that you will receive when launching the Packet Tracer activity.

Addressing Table

Device	Interface	IP Address	Subnet Mask
	VLAN 1		255.255.255.0
	VLAN 1		255.255.255.0
	NIC		255.255.255.0
	NIC		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

- Use a console connection to access each switch.
- Name _____ and _____ switches.
- Use the _____ password for all lines.
- Use the _____ secret password.
- Encrypt all clear text passwords.
- Include the word **warning** in the 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.