

# Packet Tracer - Skills Integration Challenge

## Topology

You will receive one of three possible topologies.

## Addressing Table

Device	Interface	IP Address	Subnet Mask	Default Gateway
	G0/0		255.255.255.0	N/A
	G0/1		255.255.255.0	N/A
	VLAN 1		255.255.255.0	
	VLAN 1		255.255.255.0	
	NIC		255.255.255.0	
	NIC		255.255.255.0	
	NIC		255.255.255.0	
	NIC		255.255.255.0	

## Objectives

- Finish the network documentation.
- Perform basic device configurations on a router and a switch.
- Verify connectivity and troubleshoot any issues.

## Scenario

Your network manager is impressed with your performance in your job as a LAN technician. She would like you to now demonstrate your ability to configure a router connecting two LANs. Your tasks include configuring basic settings on a router and a switch using the Cisco IOS. You will then verify your configurations, as well as configurations on existing devices by testing end-to-end connectivity.

**Note:** After completing this activity, you can choose to click the **Reset Activity** button to generate a new set of requirements. Variable aspects include device names, IP addressing schemes, and the topology.

## Requirements

- Provide the missing information in the Addressing Table.
- Name the router \_\_\_\_\_ and the second switch \_\_\_\_\_. You will not be able to access \_\_\_\_\_.
- Use **cisco** as the user EXEC password for all lines.
- Use **class** as the privileged EXEC password.
- Encrypt all plain text passwords.
- Configure an appropriate banner.
- Configure addressing for all devices according to the Addressing Table.
- Document interfaces with descriptions, including the \_\_\_\_\_ VLAN 1 interface.

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- Save your configurations.
- Verify connectivity between all devices. All devices should be able to ping any other device.
- Troubleshoot and document any issues.
- Implement the solutions necessary to enable and verify full end-to-end connectivity.

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