Packet Tracer - Skills Integration Challenge

1. Topology

You will receive one of three possible topologies.

1. Addressing Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Device | Interface | IP Address | Subnet Mask | Default Gateway |
| RTA | G0/0 | 128.107.20.1 | 255.255.255.0 | N/A |
| G0/1 | 128.107.30.1 | 255.255.255.0 | N/A |
| ASw-1 | VLAN 1 | 128.107.20.10 | 255.255.255.0 | 128.107.20.1 |
| ASw-2 | VLAN 1 | 128.107.30.15 | 255.255.255.0 | 128.107.30.1 |
| User-01 | NIC | 128.107.20.25 | 255.255.255.0 | 128.107.20.1 |
| User-02 | NIC | 128.107.20.30 | 255.255.255.0 | 128.107.20.1 |
| User-03 | NIC | 128.107.30.25 | 255.255.255.0 | 128.107.30.1 |
| User-04 | NIC | 128.107.30.30 | 255.255.255.0 | 128.107.30.1 |

1. Objectives

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

1. 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.

1. 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.
* 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.

ID: [[indexNames]][[indexAdds]][[indexTopos]]