

Activity 3

Cisco Router Configuration

1. Network Design:

- Using the Cisco Packet Tracer tool, design a network topology consisting of **three (3) Cisco routers** and **two (2) different networks**.
- Each network should have **four (4) host devices** connected to it.
- Ensure that at least **one computer** is directly connected to a router using a **Console** connection to configure the router's terminal.

2. IP Address Assignment:

- Assign an **IP address** to each device interface on the network.
- The IP address selection is at student's preference and discretion, but it must be from any of the Class A, B, or C IP address ranges.

3. IOS Configuration with Cisco Routers:

- Configure the following IOS settings on each router:
 - a. Banner Message:** Set a custom banner message (message content is at your discretion).
 - b. User Exec Mode Password:** Set the password as your **first name** (all lowercase, no spaces).
 - c. Privilege Exec Mode Password:** Set the password as your **last name** (all lowercase, no spaces).
 - d. Router Hostname:** Set the router's hostname (hostname is at your discretion).
 - e. Telnet Password:** Set the Telnet password to "telnet".
 - f. IP Address Configuration:** Assign IP addresses to router interfaces using the command-line interface (CLI).
 - g. Static Routing:** Configure static routing via the CLI.
 - h. Hide Console Password:** Ensure the line console password is hidden from the Show Run command.

4. **Saving Configuration:**

- Save the running configuration on the routers.
- Use the following commands to save and reload:

Router# copy run start

Router# reload

5. **File Submission:**

- Save your Packet Tracer file with the name: Activity3_StudentLastName.
- Submit the .pkt file.

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