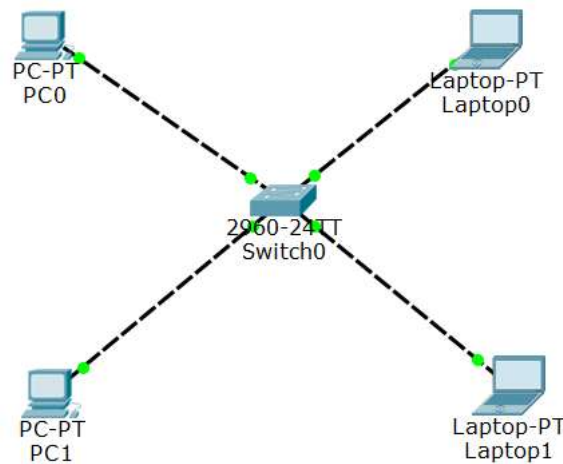


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Lab Objective: To configure a simple network topology using switch.



Steps to be followed on Cisco Packet Tracer

Step 1. Adding end devices for topology from bottom left corner:

- Click on **End devices** and select **Generic PC** (PC0) from second menu to immediate right. Add it to the sandbox screen.
- Similarly add one more **Generic PC** (PC1).
- Select **Generic Laptop** (Laptop0) to add laptop to your topology.
- Similarly add one more **Generic Laptop** (Laptop1).
- Now select a **Switch** (2960) from the same menu and add it to the sandbox screen.

Step 2. Adding Connections between the devices:

- Click on **Connections** (bottom-left corner menu) and select **Copper cross-over cable** for wired connection.
- Now click on PC0 and select **FastEthernet0** type from dropdown menu.
- Now click on Switch0 and select **FastEthernet0/1** type from dropdown menu.
- Similarly create connections between PC1 and Switch0, Laptop0 and Switch0, and Laptop1 and Switch0. Use separate **FastEthernet** (FastEthernet 0/ 1-24) on switch for each connection.

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- Fast forward time so that all connections to the router get activated (green dots) by clicking on **Fast Forward Time** option above menu at bottom-left corner.

Step 3. Configuring the IP settings:

- Double-Click on PC0 for configuration menu. Click on **Desktop** tab and select **IP configuration**.
- Select **static** option for IP settings and assign **IP address** to the device, for example: 10.1.1.1
- Hit **Enter** (Return), the **subnet mask** will appear automatically. Otherwise fill appropriate mask manually.
- Close the PC0 window.
- Similarly assign IP addresses to other device (PC1, Laptop0, Laptop1).
- Ensure that the devices have IP address of same class and same subnet mask.

Step 4. Sending data among the nodes:

- Click the packet icon on the right menu.
- Click on PC0 and then click PC1.
- Notification will appear at bottom-right corner for Successful transmission.

Assignment: Configure the network as shown below in the figure.

