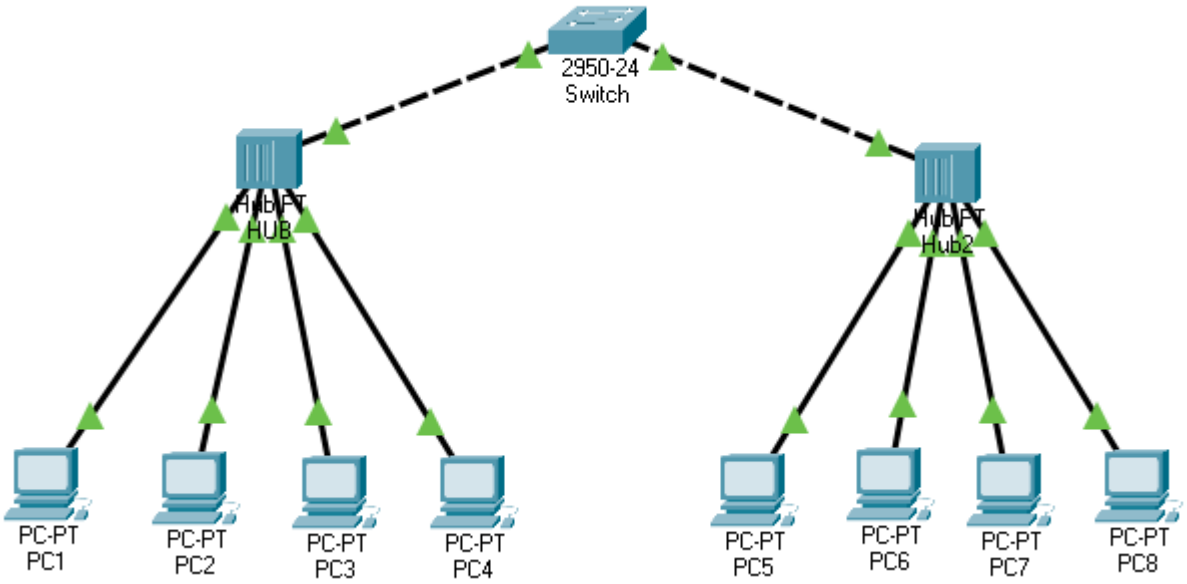
Computer Networks

Lab # 07:
Packet Tracer – Switch-Hub Network



Objective

Use Packet Tracer to complete the following skills

- Add and configure devices to the network
- Configure PC's to communicate on the network

Scenario

This exercise is designed to provide hands-on practice connecting and configuring basic network devices. The end result will provide a simple network in which all 8 PCs can communicate to each other with using Hubs and Switch.

Step 1

Add 8 PCs to the network.

Step 2

Add 2 Hubs and 1 Switch to the network.

Step 3

Connect the first 4 PCs to first hub and the other 4 PCs to the second hub. Connect the two hubs to the switch.

Hint: Ensure you use the proper cable i.e. straight-through cable for PC-Hub connections and the crossover cable for hub-switch connections.

Step 4

Configure each PC with an IP address. The addresses should be 192.168.1.X, where X is 1-8. For example PC1 would have the IP address 192.168.1.1 and PC2 would have the IP address 192.168.1.2.

Step 5

Test connectivity between PC1 and PC2 and between PC1 and PC6 using the **PING** command in real-time mode.

Correct any errors and test connectivity again.