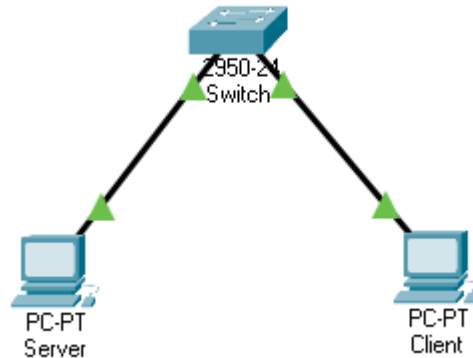


# Computer Networks

## Lab # 07: Packet Tracer – Switch Based Network



### Objective

- Create a simple network with two PCs and a switch
- Assign IP addresses to the PCs
- Use the proper cables to connect network devices
- Be familiar with the functions of a switch

### Scenario

This topology represents a basic network using a switch, server and a client.

### Step 1

Create 2 PCs, naming one as Server and other as Client as shown in the diagram above.

### Step 2

Add a switch (2950-24) to the network. Connect the Server and the Client to the switch.

### Step 3

Configure the Server to use IP address 192.168.1.1/24 and the Client IP address 192.168.1.2/24.

### Step 4

Test connectivity between the Server and Client using the **PING** command in real-time mode. Correct any errors and test connectivity again.

### Step 5

Test connectivity between the Server and Client using the **PING** command in simulation mode.

Correct any errors and test connectivity again.