

Simple Cisco Packet Tracer Activity

Activity Title: Basic Network Connection and IP Configuration

Objective

At the end of this activity, students should be able to:

- Connect devices using the correct cables.
 - Configure IPv4 addresses.
 - Test network connectivity using the **ping** command.
-

Materials

- Cisco Packet Tracer
 - 1 Switch (2960)
 - 2 PCs
-

Network Topology

PC0

|

|

Switch0

|

|

PC1

Activity Instructions

Part 1: Build the Network

1. Open Cisco Packet Tracer.
2. Place the following devices:

- 1 × Switch (2960)
- 2 × PCs

3. Connect:

- PC0 → Switch0 using Copper Straight-Through Cable
 - PC1 → Switch0 using Copper Straight-Through Cable
-

Part 2: Configure IP Addresses

PC0

- IP Address: **192.168.1.10**
- Subnet Mask: **255.255.255.0**
- Default Gateway: **192.168.1.1**

PC1

- IP Address: **192.168.1.20**
 - Subnet Mask: **255.255.255.0**
 - Default Gateway: **192.168.1.1**
-

Part 3: Test Connectivity

On **PC0**:

1. Desktop → Command Prompt
2. Type:

ping 192.168.1.20

Expected Result:

Reply from 192.168.1.20