

# Ex. No 1. Basic Connectivity between Two PCs Using a Switch

Date : 11-08-2025

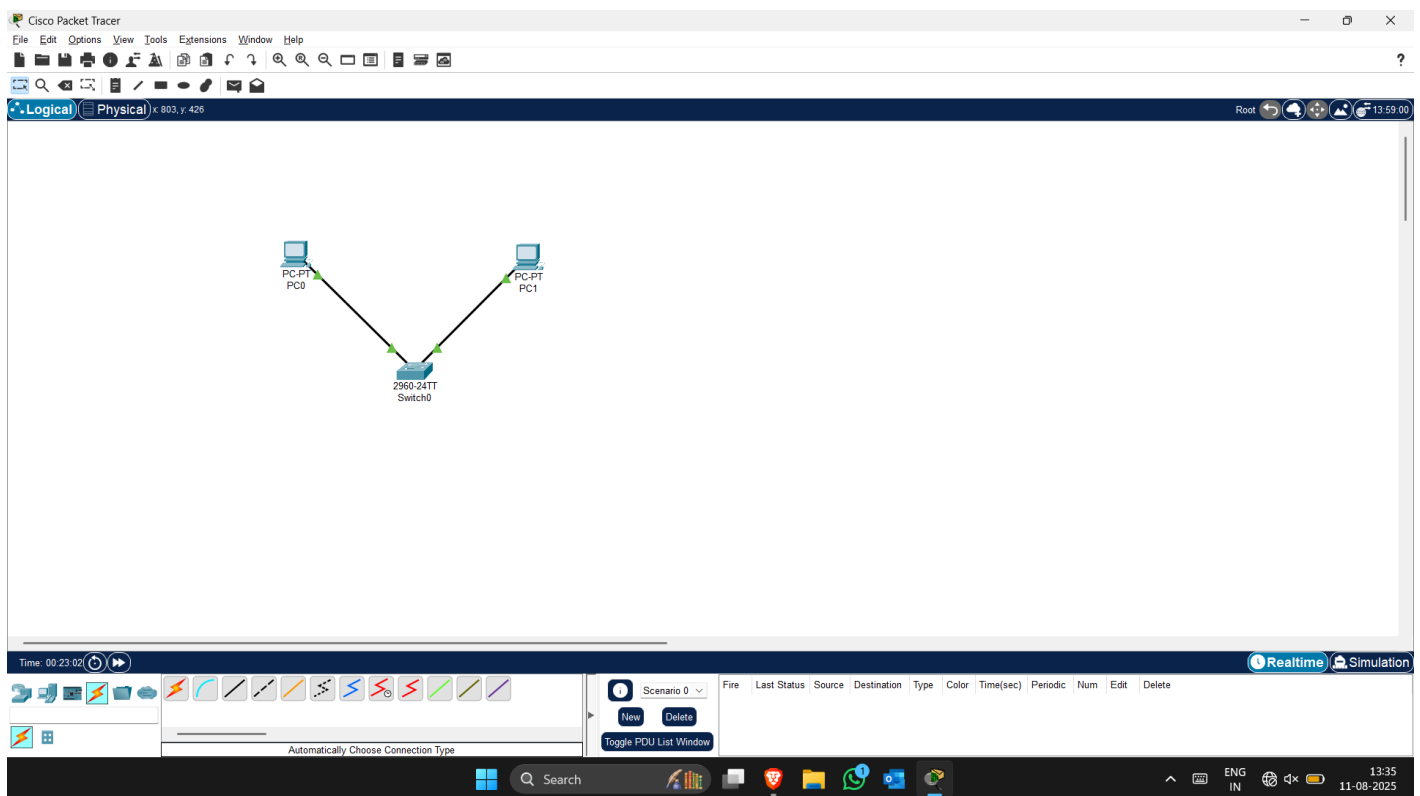
## Objective

“To configure and test basic LAN connectivity between two PCs using a switch.”

## Apparatus/Tools Required

• Cisco Packet Tracer Software • Devices: PCs, Switch, Router, Cables • Optional: Wireless Router, Server, Cloud

## Network Topology Diagram



# IP Addressing Table (if applicable)

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Device Name	Interface	IP Address	Subnet Mask	PC0 NIC	192.168.1.2	255.255.255.0	PC1 NIC
		192.168.1.3	255.255.255.0				

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## Procedure

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Step-by-step commands/configurations. Example:

1. Open Cisco Packet Tracer and add two PCs and one Switch.
  2. Connect the PCs to the switch using straight-through cables.
  3. Assign IP addresses to the PCs.
  4. Use the ping command to verify connectivity.
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## Commands Used (if any)

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For PC IP assignment:

nginx

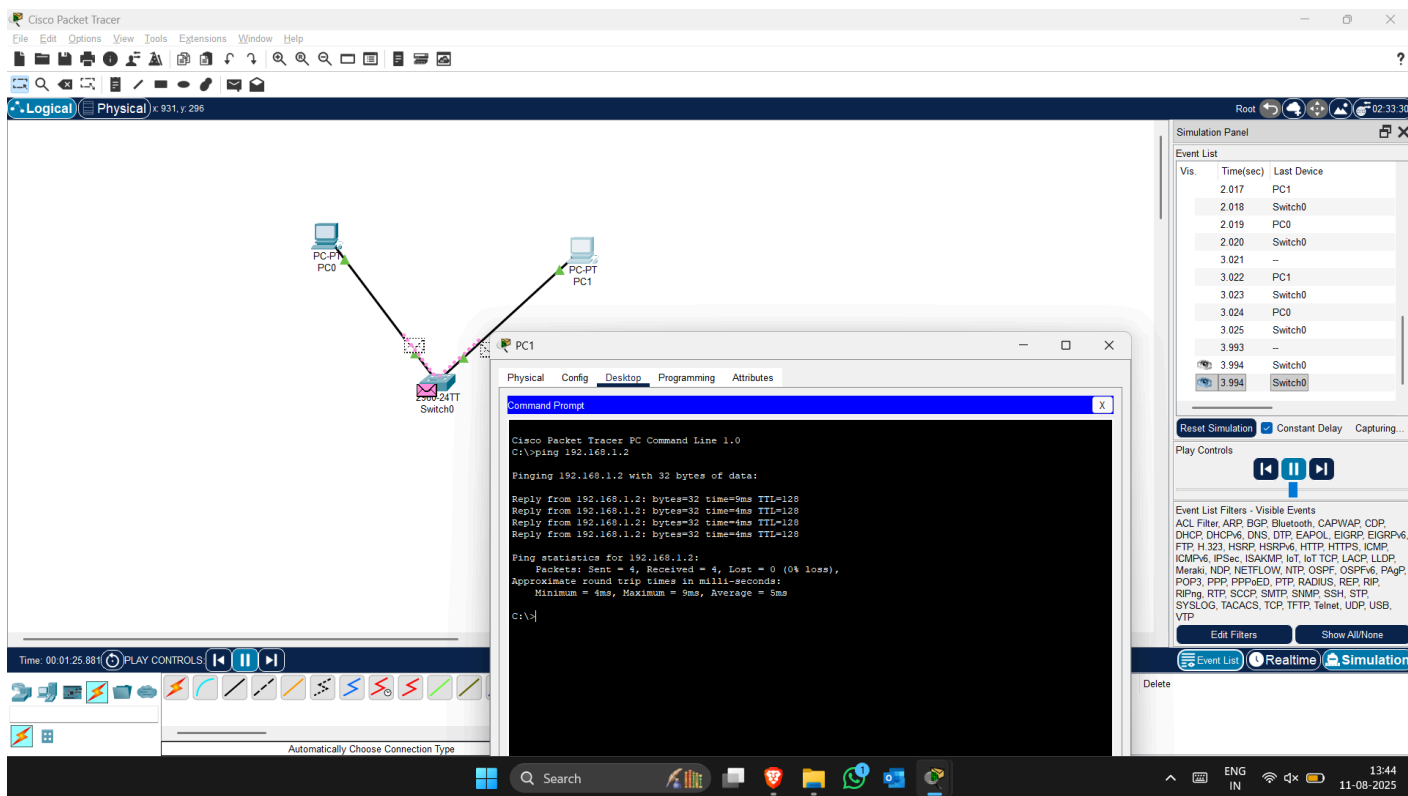
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Desktop > IP Configuration > Enter IP: 192.168.1.2 / Subnet: 255.255.255.0

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## Output (Screenshots / Ping Results)

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## Result

“Successfully configured and verified basic LAN communication between two PCs using a switch in Cisco Packet Tracer.”