

Cisco Packet Tracker

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Step 1: Creating the Topology:

I dragged 5 PCs, 1 network printer, and a 2960 switch into the workspace. I connected all devices using copper straight-through cables.

Step 2: Assigning IP Addresses:

I set IP addresses for each PC and the printer in the same subnet (192.168.1.0/24) to ensure proper LAN communication.

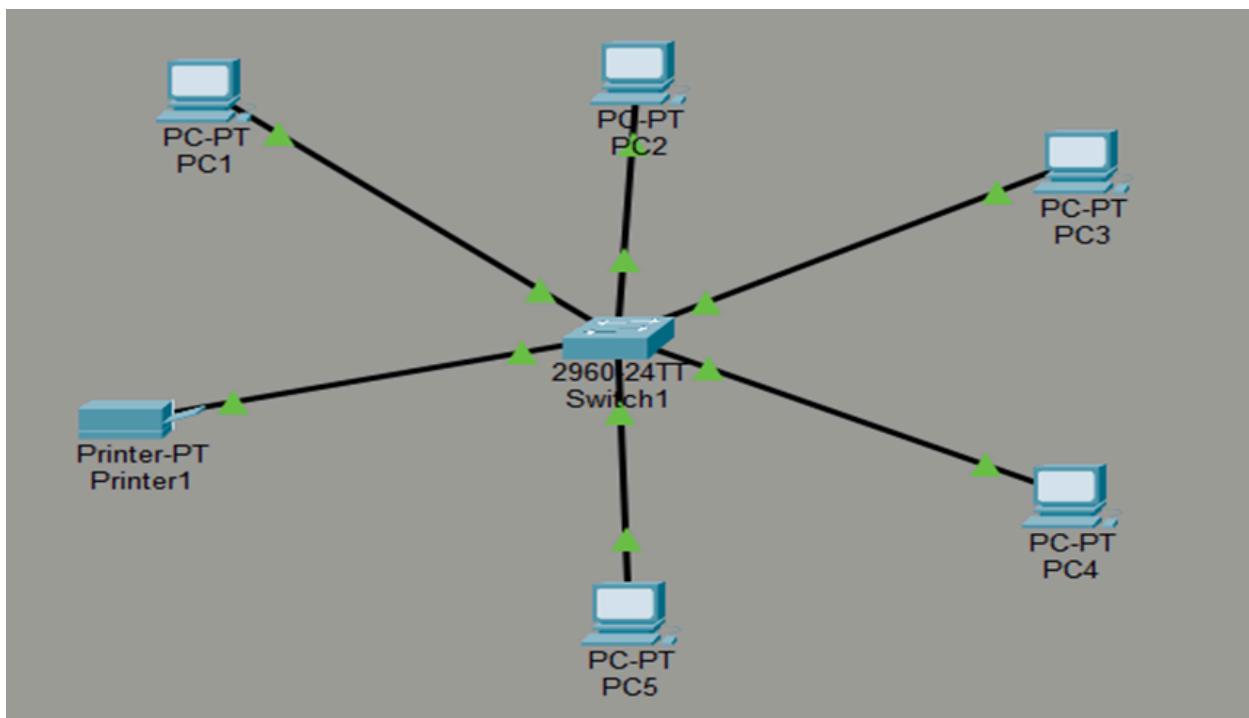
Step 3: Testing Connectivity:

Using the ping command from each PC, I verified that all PCs and the printer could communicate successfully.

Step 4: Configuring Printer Sharing:

I selected PC1 as the print server and installed the network printer using its IP (192.168.1.10). Then I installed the same printer on all other PCs.

ScreenShots:





PC3

Physical

Config

Desktop

Programming

Attributes

Command Prompt

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Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=2ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>ping 192.168.1.4

Pinging 192.168.1.4 with 32 bytes of data:

Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time<1ms TTL=128
Reply from 192.168.1.4: bytes=32 time=13ms TTL=128

Ping statistics for 192.168.1.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 13ms, Average = 3ms
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