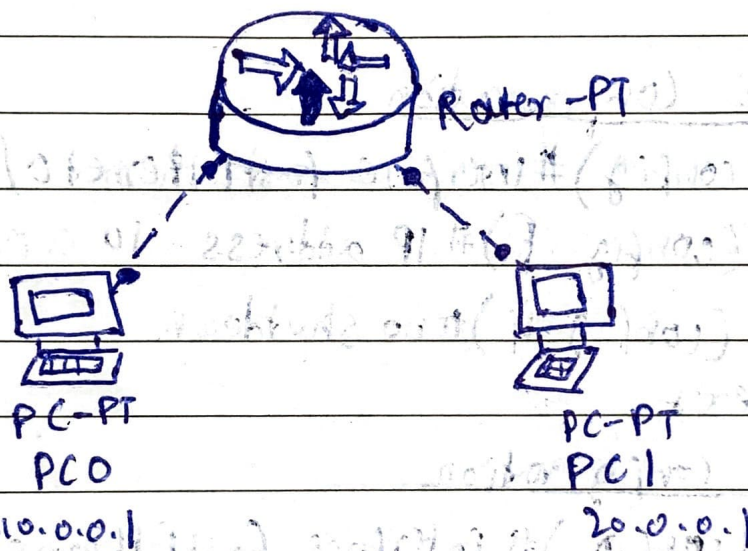


Lab 3Cycle 1

Configuring IP address to Routers in Packet Tracer.
Explore the following messages: Ping responses,
Destination unreachable, Request timed out Reply

Procedure

- Select two end devices, say PC0 and PC1
- Select a generic router
- Make the required connection
- Configure device PC0 by giving the IP address 10.0.0.1.
- Configure device PC1 by giving IP address 20.0.0.1
subnet mask address is 255.0.0.0

→ We see an interface between router and end devices by red dots.

→ Now we configure the router
~~under TLT~~ Under CLI

Continue with configuration 'dialog?'; no

Router > enable

Router# config terminal

1st Side Configuration

Router (config)# interface fastEthernet 0/0

Router (config-if)# IP address 10.0.0.10 255.0.0.0

Router (config-if)# no shutdown

exit

2nd Side Configuration

Router (config)# interface fastEthernet 1/0

Router (config-if)# IP address 20.0.0.10 255.0.0.0

Router (config-if)# no shutdown

exit

→ The interface turn green indicating network is functional.

→ Now click on device PC0 → Desktop

Give Command:

ping 20.0.0.1

Pinging 20.0.0.1 with 32 bytes of data:

Request timed out

Request timed out

Request timed out

Ping Statistics for 20.0.0.1
 packets sent = 4, Received = 0, Lost = 4

- Now set gateway for end device PC0:
10.0.0.10
- Set gateway for PC1: ~~10.0.0.10~~ 20.0.0.10
- Gateway is required to send the packet across the network
- Now again execute the ping command
 PC> ping 20.0.0.1

Pinging 20.0.0.1 with 32 bytes of data:

Reply from 20.0.0.1: bytes=32 time=0ms TTL=127

Reply from 20.0.0.1: bytes=32 time=0ms TTL=127

Reply from 20.0.0.1: bytes=32 time=0ms TTL=127

Reply from 20.0.0.1: bytes=32 time=0ms TTL=127

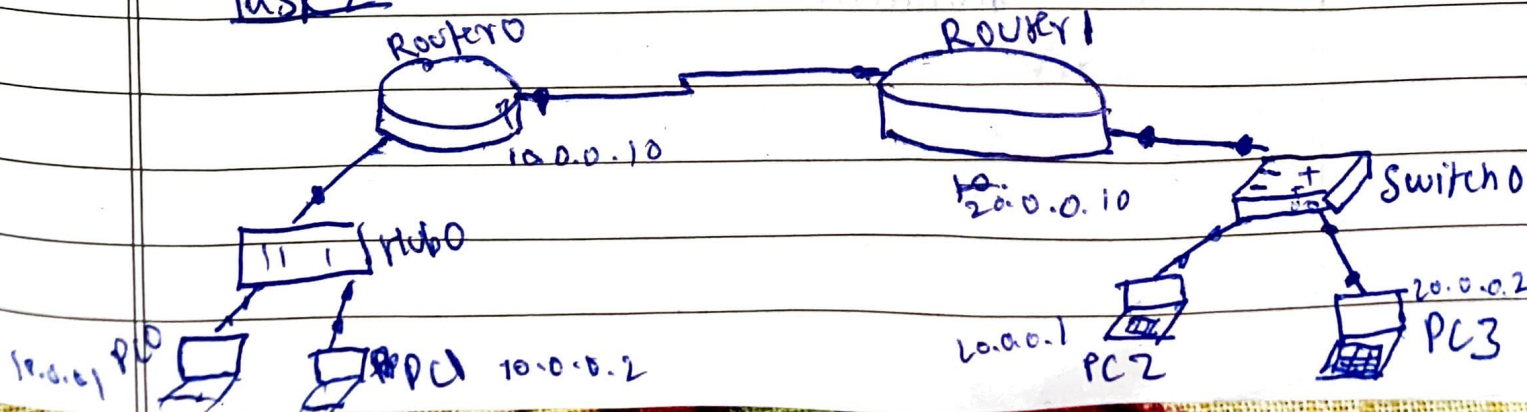
Ping statistics for 20.0.0.1:

packets sent = 4, Received = 4, Lost = 0

Approximate round trip times:

Minimum = 0ms, Maximum = 4ms, Average = 1ms

Task 2



PC0 - 10.0.0.1

PC1 - 10.0.0.2

PC2 - 20.0.0.1

PC3 - 20.0.0.2

Router0 - ~~30~~ 10.0.0.10

Router1 - 20.0.0.10

Command Prompt

Ping 20.0.0.2

Destination host unreachable

Packets sent = 4, Received = 0, Lost = 4

Ping 30.0.0.10

~~Pack~~ Ping statistics for 30.0.0.10

Packets: Sent = 4, Received = 4, Lost = 0

Router 1 config

interface Serial 2/0

ip address 30.0.0.10 255.0.0.0

no shutdown

exit

Router 2 Config

interface Serial 2/0

IP address 30.0.0.20 255.0.0.0

no shutdown

exit

live

17/11/22