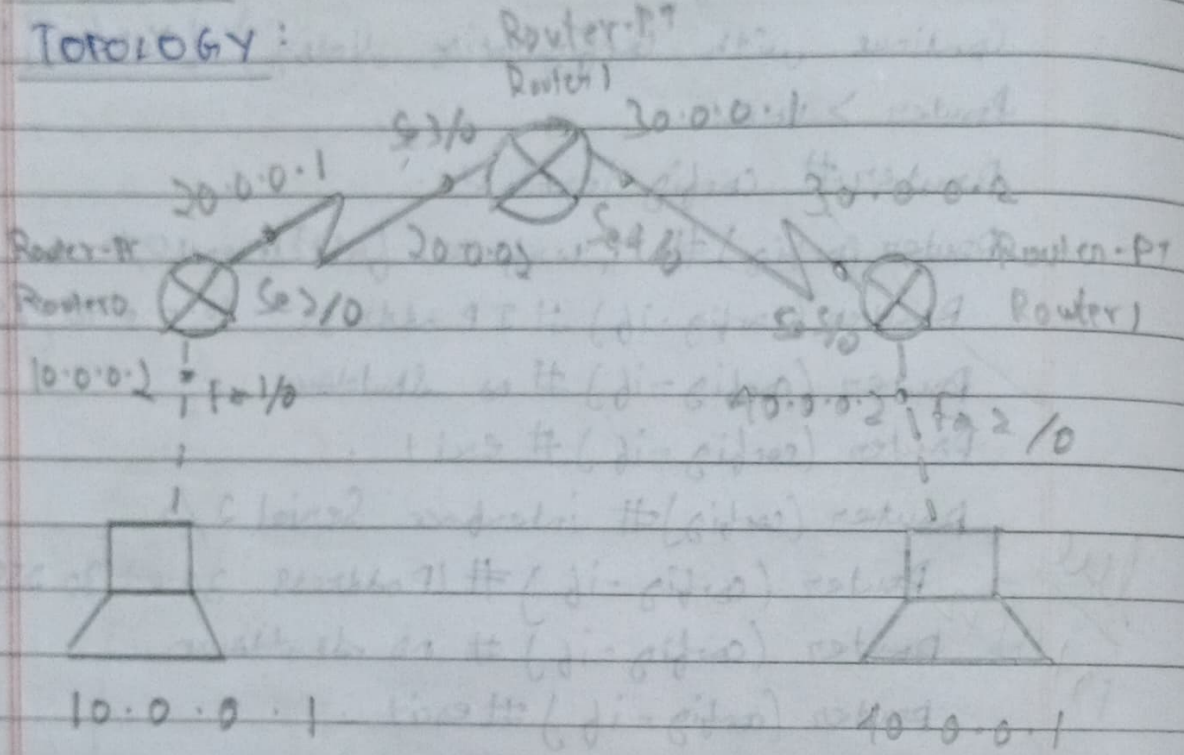


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LAB-4

TOPOLOGY:



DG - 10.0.0.2

DG - 10.0.0.1

PC0

PC1

Router-0 Configuration

Continue with router configuration -> [yes/no]? No

Router > enable

Router# config terminal

Router(config)# interface fastEthernet 0/0

Router(config-if)# IP address 10.0.0.2 255.0.0.0

Router(config-if)# no shutdown

Router(config-if)# exit

Router(config)# interface Serial 2/0

Router(config-if)# IP address 20.0.0.1 255.0.0.0

Router(config-if)# no shutdown

Router(config-if)# exit

ip route 30.0.0.0 255.0.0.0 20.0.0.2

ip route 40.0.0.0 255.0.0.0 20.0.0.2

Router-1 Configuration:

Continue with configuration dialog [Yes/No]? No.

Router > enable

Router# config terminal

Router (config) # interface fastEthernet 0/0

Router (config-if) # IP address 40.0.0.2 255.0.0.0

Router (config-if) # no shutdown

Router (config-if) # exit

Router (config) # interface Serial 5/0

Router (config-if) # IP address 30.0.0.2 255.0.0.0

Router (config-if) # no shutdown

Router (config-if) # exit

Router-2 Configuration:

Continue with configuration dialog [Yes/No]? No.

Router > enable

Router# config terminal

Router (config) # interface Serial 3/0

Router (config-if) # IP address 20.0.0.2 255.0.0.0

Router (config-if) # no shutdown

Router (config-if) # exit

Router (config) # interface Serial 4/0

Router (config-if) # IP address 30.0.0.1 255.0.0.0

Router (config-if) # no shutdown

Router (config-if) # exit

Router-1

ip route 10.0.0.0 255.0.0.0 30.0.0.1

ip route 20.0.0.0 255.0.0.0 30.0.0.1

Router-2

ip route 10.0.0.0 255.0.0.0 20.0.0.1

ip route 40.0.0.0 255.0.0.0 30.0.0.2

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PC > ping 40.0.0.1

Pinging 40.0.0.1 with 32 bytes of data:

Reply from 40.0.0.1: bytes=32 time=9ms TTL=125

Reply from 40.0.0.1: bytes=32 time=6ms TTL=125

Reply from 40.0.0.1: bytes=32 time=2ms TTL=125

Reply from 40.0.0.1: bytes=32 time=2ms TTL=125

Ping statistics:

Packets: Sent=4, Received=4, Lost=0 (0% loss)

Approximate round trip times in milliseconds:

Minimum=2ms, Maximum=9ms, Average=4ms

• PDU from source end device (10.0.0.1)

Sent successfully to destination end device (40.0.0.1)

Done
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