

8 Oct 2020

Lab-3

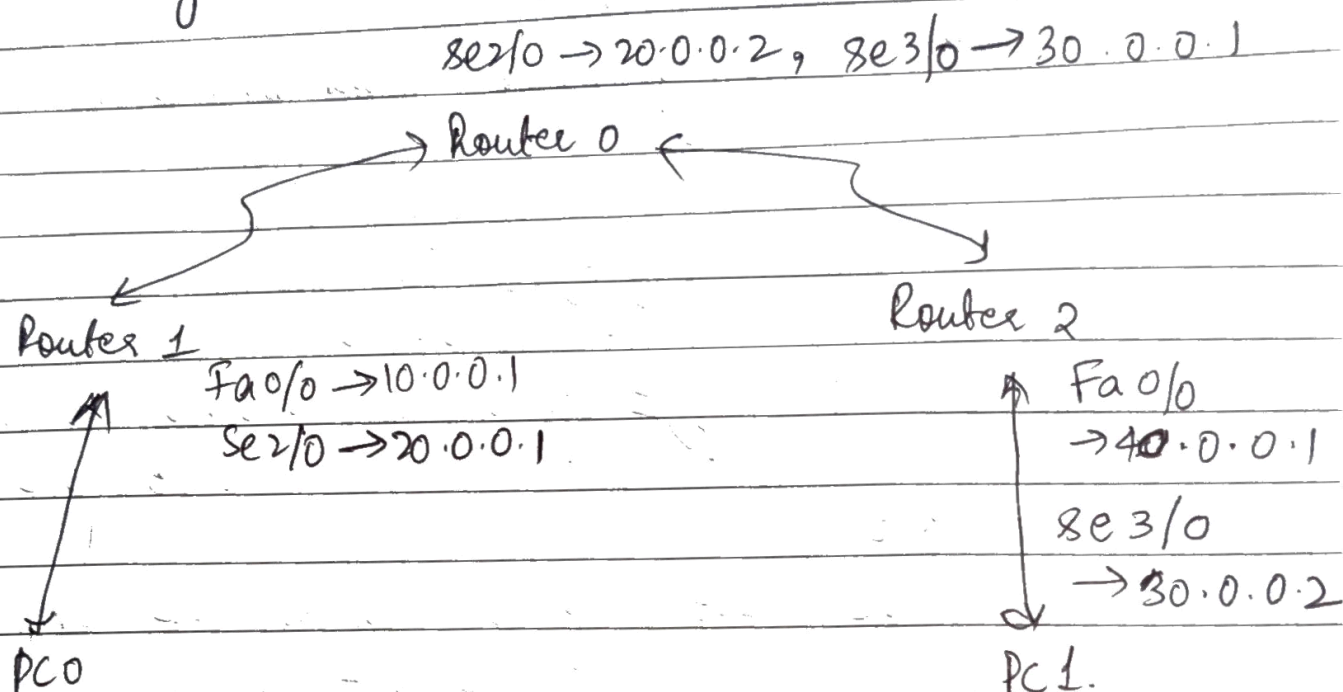
NIHA

5-B

IBM18CS060

3. Configuring IP address to router in packet tracer. Explore the following messages: Ping responses, destination unreachable, request time out, reply.

8d. 1. creating the topology:-



2. Set the gateway and IP address to each end devices.

3. Configure directly connected end devices to router using CLI commands. as follows:-

- Router>enable
- Router# config terminal
- Router (config)# interface fastEthernet 0/0
- Router (config-if)# ip address 10.0.0.1 255.0.0.0
- Router (config-if)# no shutdown

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These commands configures the devices which are directly connected to router.

4. To achieve connection with devices which are not connected directly with router us following commands:-

- Router > enable
- show ip route // this shows the connection of router with available
- Router# config terminal // ip address.
- Router(config)# ip route 30.0.0.0 255.0.0.0 20.0.0.2
- Router(config)# ip route 40.0.0.0 255.0.0.0 20.0.0.2.
- exit

Here the 1st IP address is the IP to be connected, 2nd is subnet mask, 3rd is the IP via which we can configure router with a particular IP address.

Repeat the same step 4 for the necessary routers.

5. Once, the routers are configured with all devices. Ping the IP of one of the PC to the other using command:-

> ping 40.0.0.10.

This command sends data from one PC to another via routers.

6. If it's successful, network is ready.