

Default IP address

Topology similar to that of Lab-2 that contain 3 routers
2 PC's connected as shown in that.

Procedure

- Select PC's & routers & configure them with suitable IP address.
- Make connections to all the devices using suitable connection links.
- For the routers to link b/w PC's & other routers use C2 mode & start typing the commands.
- Now Enter Enable → Enter
- Config I enter
- Interface fast ethernet 0/0
- IP address 10.0.0.10 255.0.0.0.
- Now shut

Repeat this step similarly to all the routers, in order to make default path.
type in Config T.

IP route dest Subnet mask interface device

IP route 0.0.0.0 0.0.0.0 20.0.0.10

Similarly perform this to all the routers

→ Show IP route enter

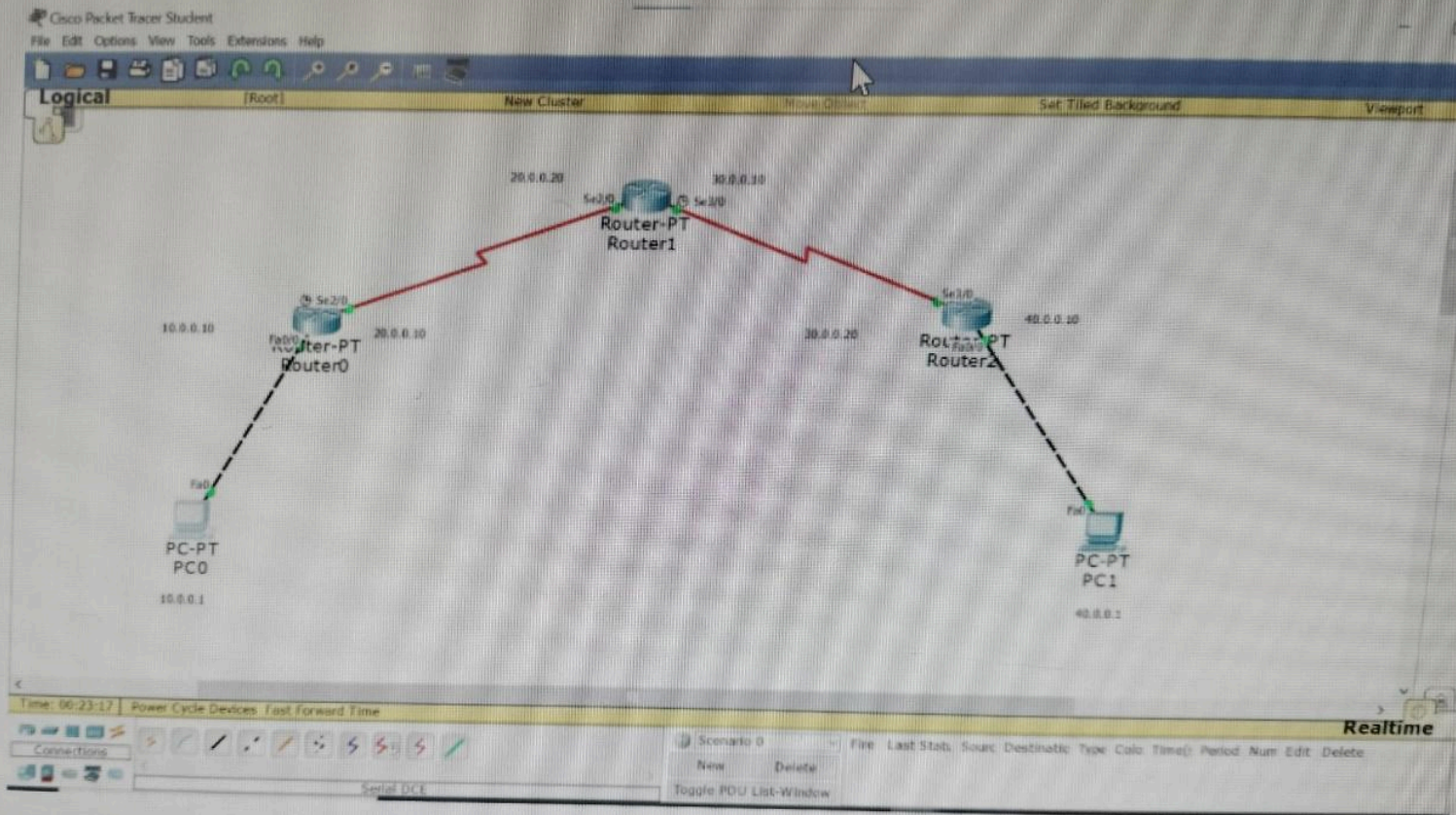
10.0.0.0/8 is directly connected to fast ethernet 0/0 : 20.0.0.0/8 is directly connected Serial 2/0 0.0.0.0/0 [1/0] via 20.0.0.10.

~ all the routers are connected.

Observation.

In the previous one, we have given the IP address to all the routers with destination Subnet .4 intermediate IP address of those particular device. But here in this exp we use a default IP address in 0.0.0.0 & Subnet Mask 0.0.0.0 so that it can create a pass through channel to all the packets that are sent will be transferred by the intermediate device. This is generally used in large no of device connection.

TOPOLOGY:



PC0

Physical Config Desktop Custom Interface

Command Prompt

Packet Tracer PC Command Line 1.0
PC>ping 40.0.0.1

Pinging 40.0.0.1 with 32 bytes of data:

Request timed out.

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

Reply from 40.0.0.1: bytes=32 time=16ms TTL=125

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

Ping statistics for 40.0.0.1:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 2ms, Maximum = 16ms, Average = 6ms

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=21ms TTL=125

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

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

Reply from 40.0.0.1: bytes=32 time=4ms TTL=125

Ping statistics for 40.0.0.1:

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

Approximate round trip times in milli-seconds:

Minimum = 2ms, Maximum = 21ms, Average = 9ms

PC>

OUTPUT:

