CN LAB\_2

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4 – A

Write – up:

1. Select two end devices (pc0, pc1) and router (router-pt).
2. Connect the two end devices with router with appropriate cable.
3. Configure each end device
   1. In global settings, set gateway (e.g. 20.0.0.1)
   2. In fastEthernet(), set ip address to 20.0.0.10 and subnet mask.
4. Configure the router
   1. In CLI, enable the router and type in the command to configure terminal
   2. Select the interface fa0/0 and afterwards fa1/0
   3. Type in the command - ip address 20.0.0.1 255.0.0.0
   4. Type in the command - no shutdown
   5. Exit
5. In the real time, open command prompt and type in ping <gateway> (e.g. ping 20.0.0.1)
6. It will show the packets of data being transferred from router to end devices.
7. Send the message from pc0 to pc1 and simulate.

Outcome:

1. Router configuration is done.
2. By pinging in the cmd, we could see the packets of data being transferred from router to end device.
3. Router uses ip address mentioned in its destination address to send these packets of data.