Assignment

Network Systems Assignment 2

Question – Design and configure a network in Cisco Packet Tracer with two separate LANs, each containing six PCs connected to a switch. Connect these two LANs using a router and ensure successful communication between devices in different networks. Configure IP addresses, and default gateways.

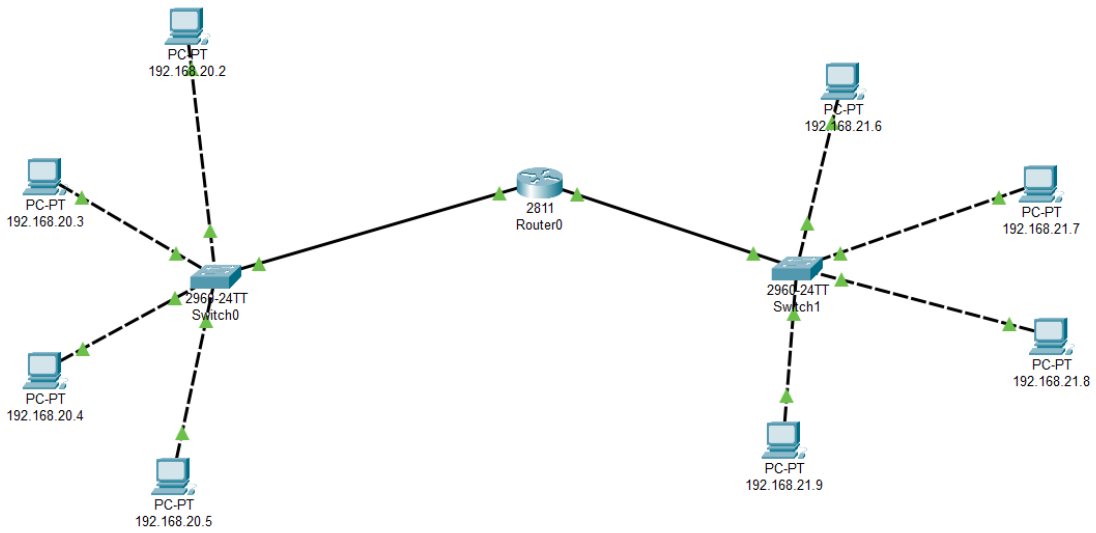
Following are the network details;

1. Network 1 :
   IP range: 192.168.20.1 to 192.168.20.10

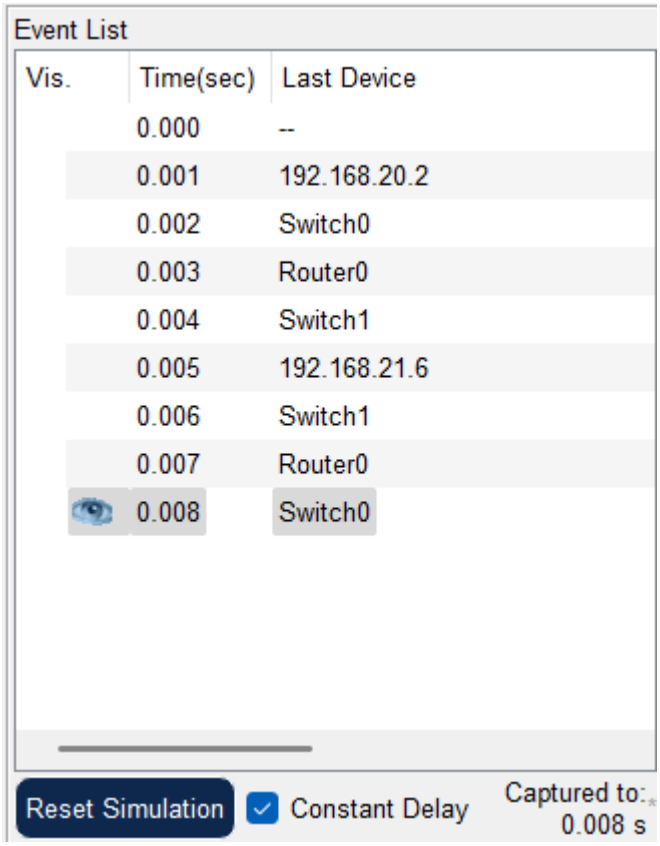
2. Network 2 :
   IP range: 192.168.21.1 to 192.168.21.10

Establish success connection and send messages between devices in same network, devices in different networks. Attach all screenshots (including router configuration, IP configuration, Network Structure) and description in a pdf file and submit.

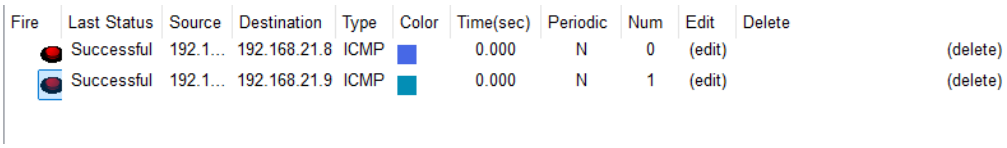
Network Structure –



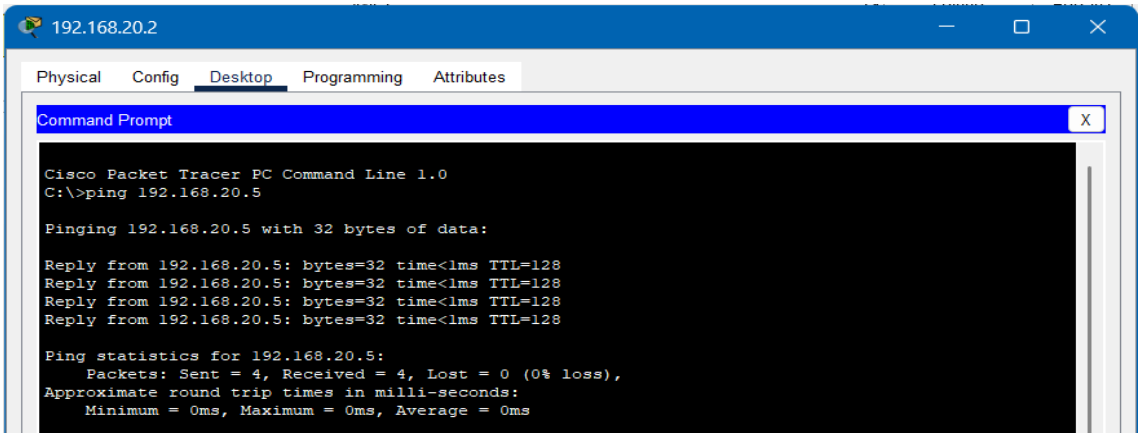
Event Viewer –



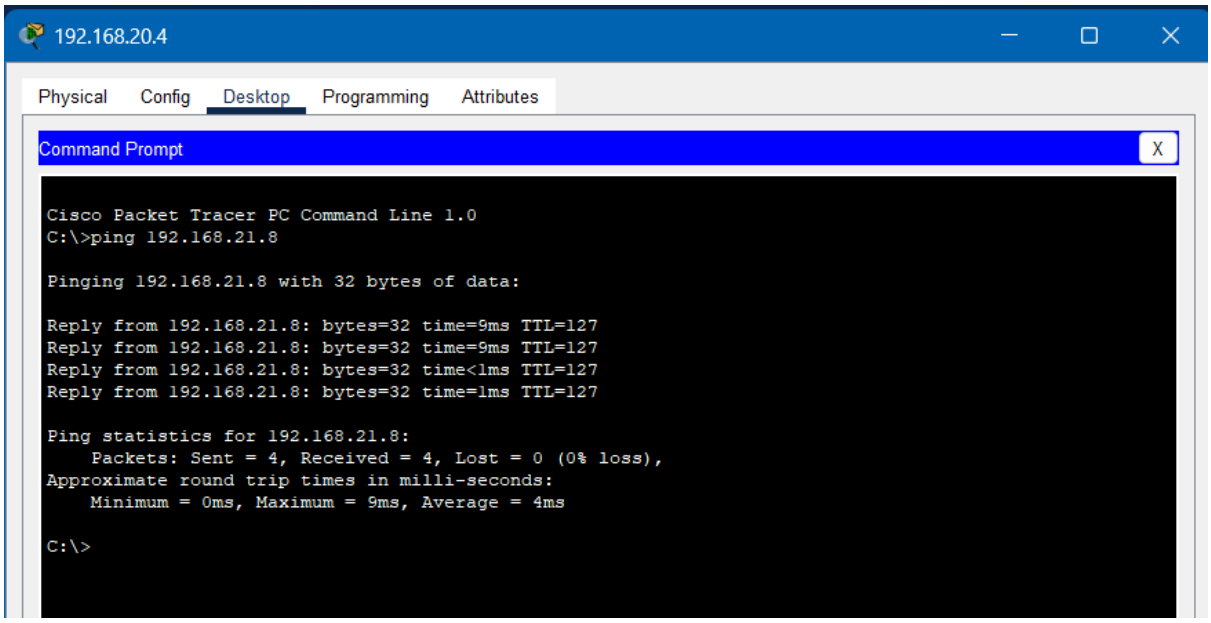
Message ping status –



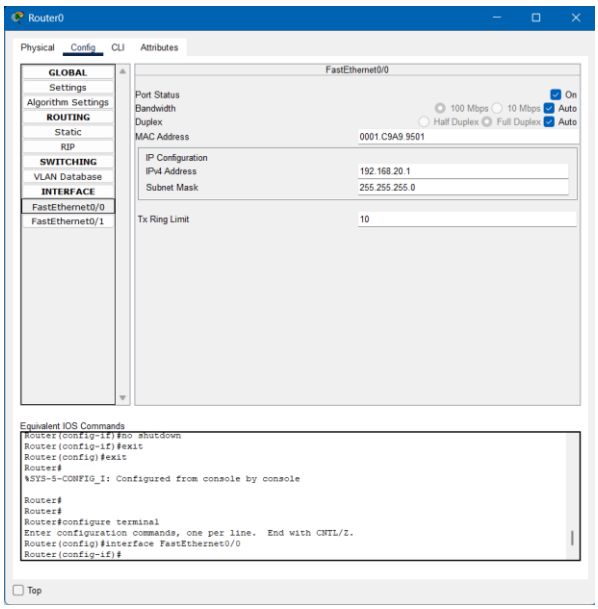
Pinging 192.168.20.2 -> 192.168.21.6

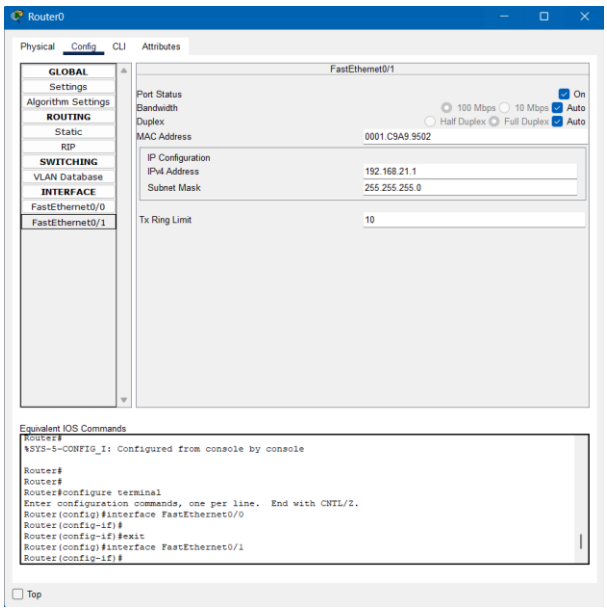


Pinging 192.168.20.4 -> 192.168.21.8



Router Configuration –





Submitted By Neeraj Jayesh

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