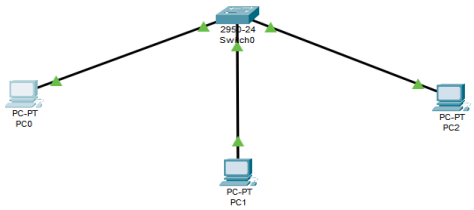
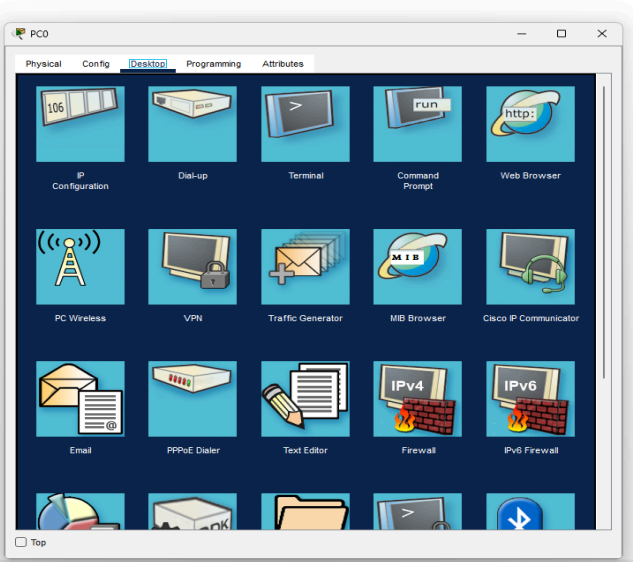
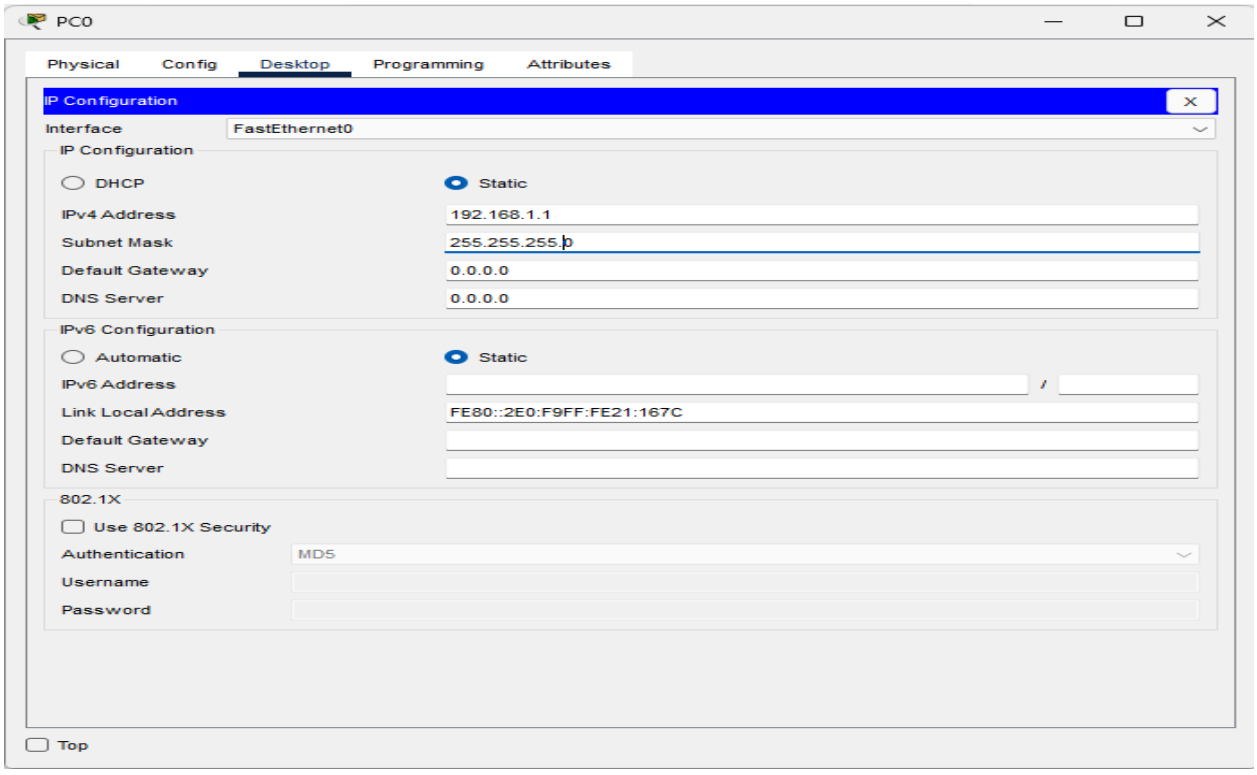
# To analyse the performance of various configuration and protocols in LAN

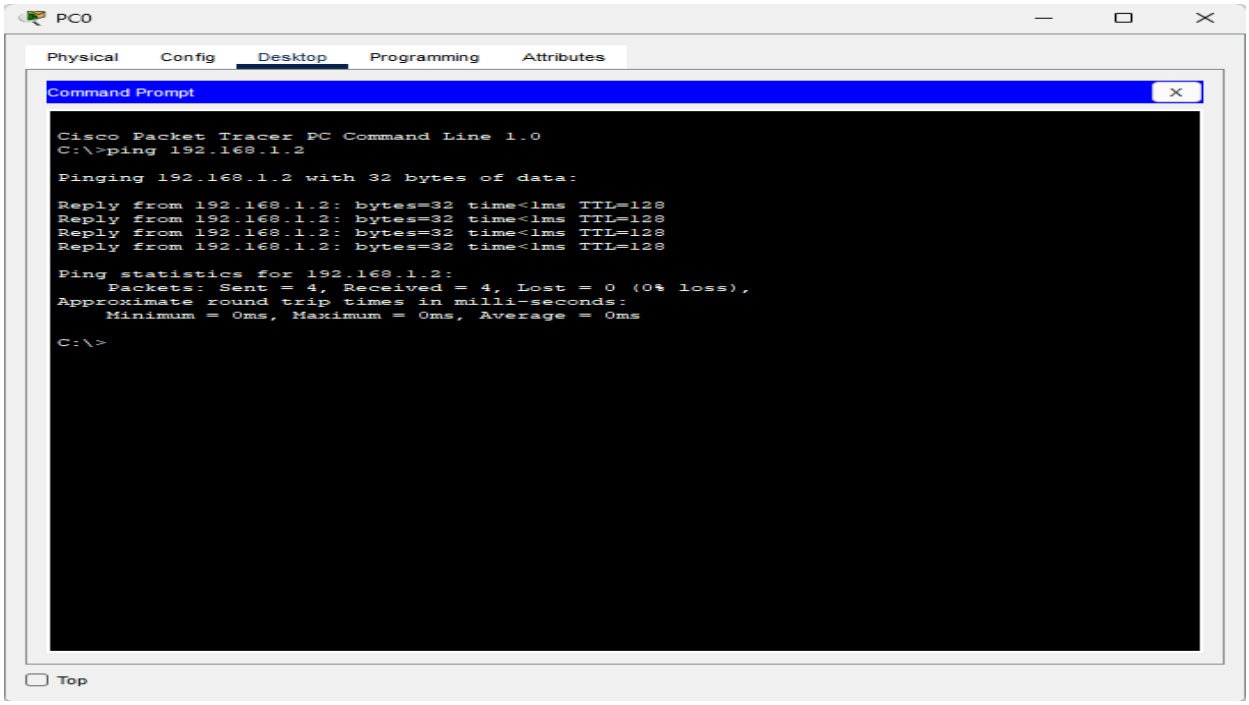
Assign IP to each machine:



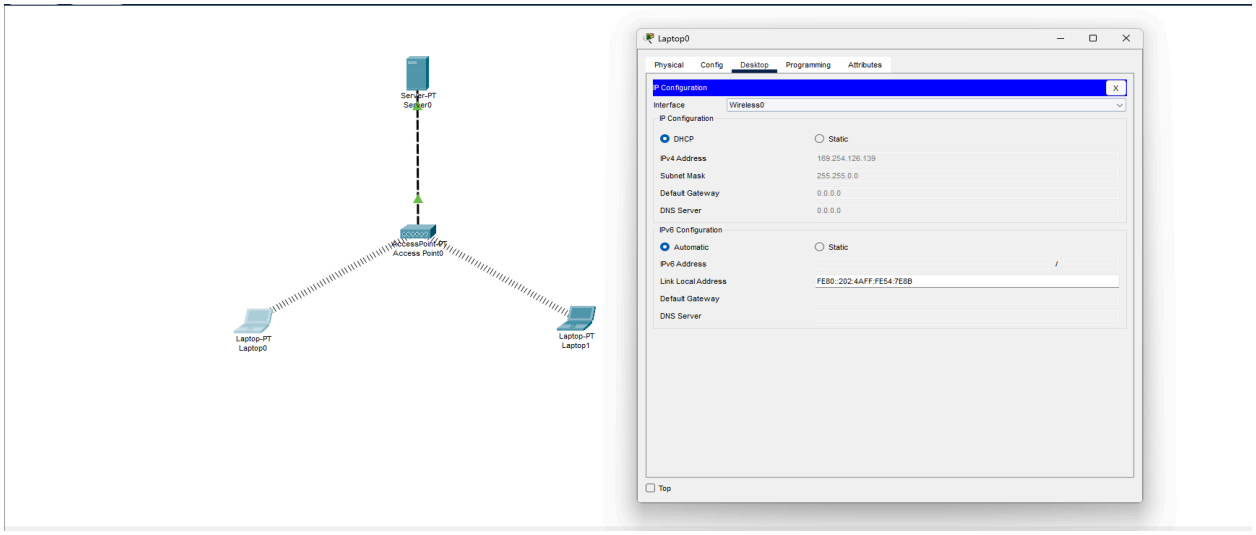



Ping to check connectivity:

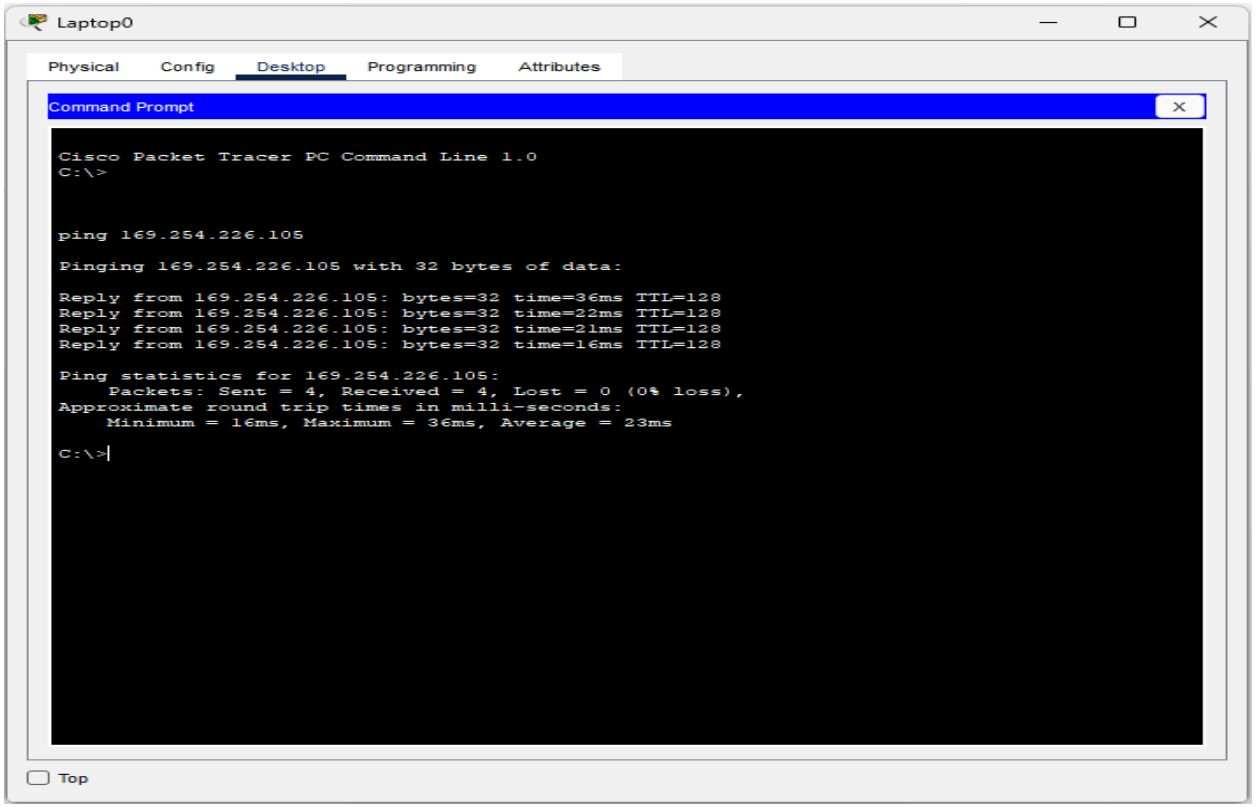


# Configuration of wireless LAN

Wireless connection:

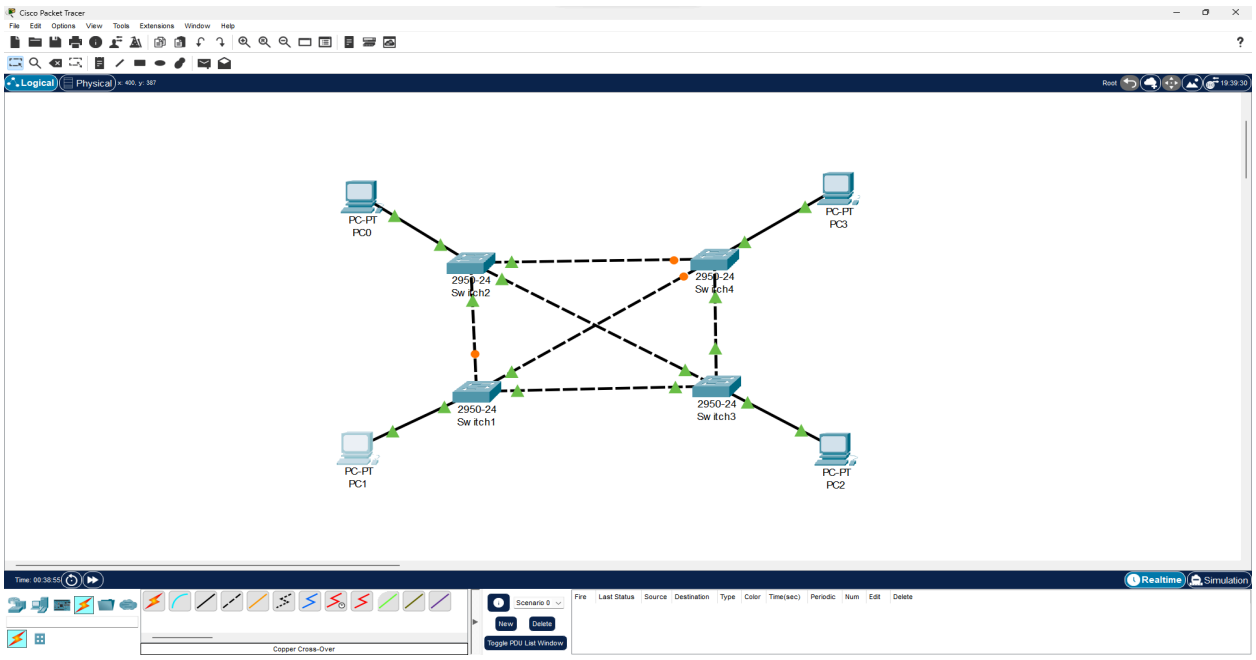



Ping to check wireless connectivity:

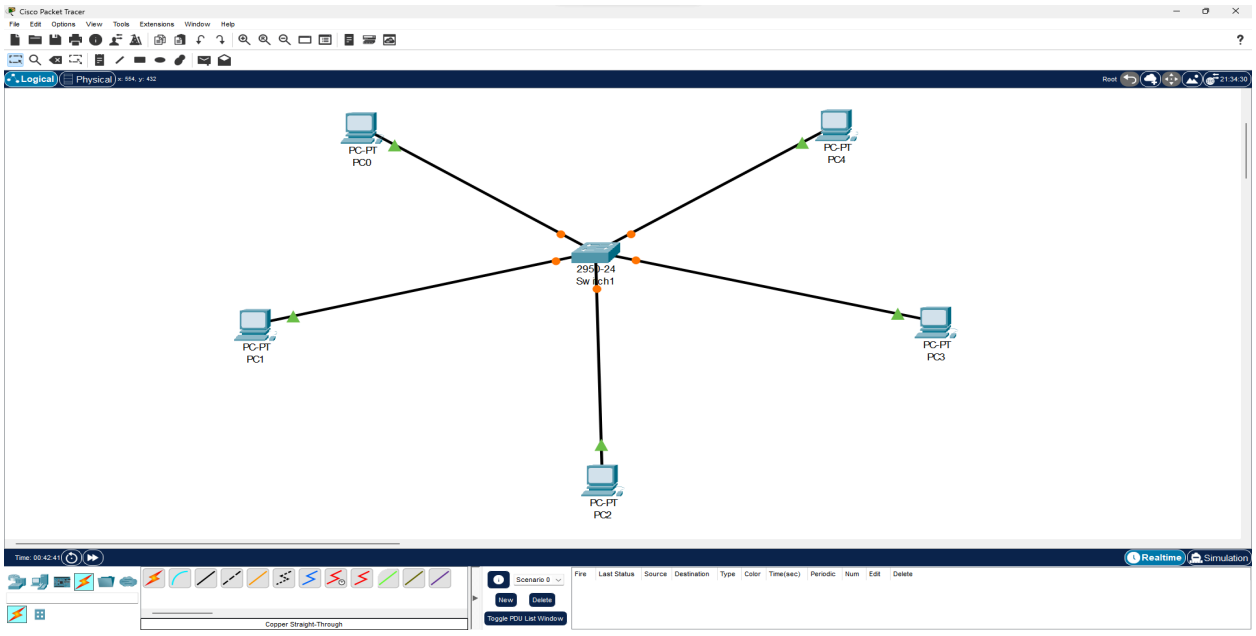


# Study of different network topologies using Cisco Packet Tracer

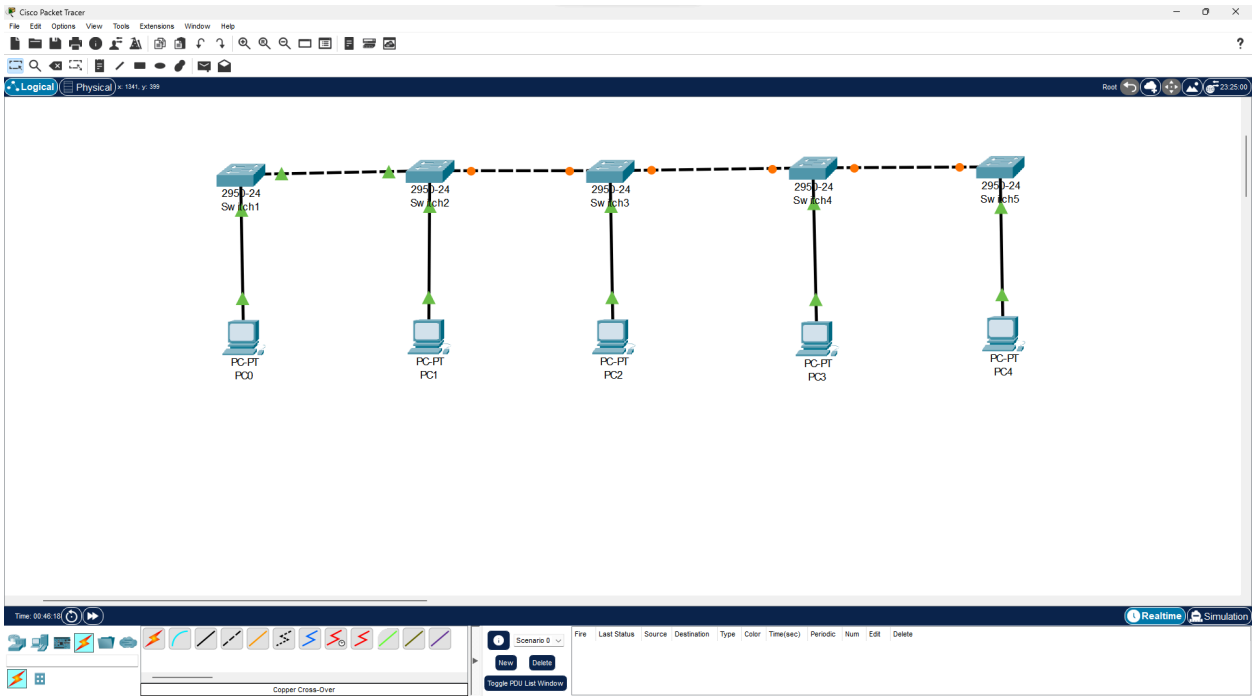
Mesh Topology:



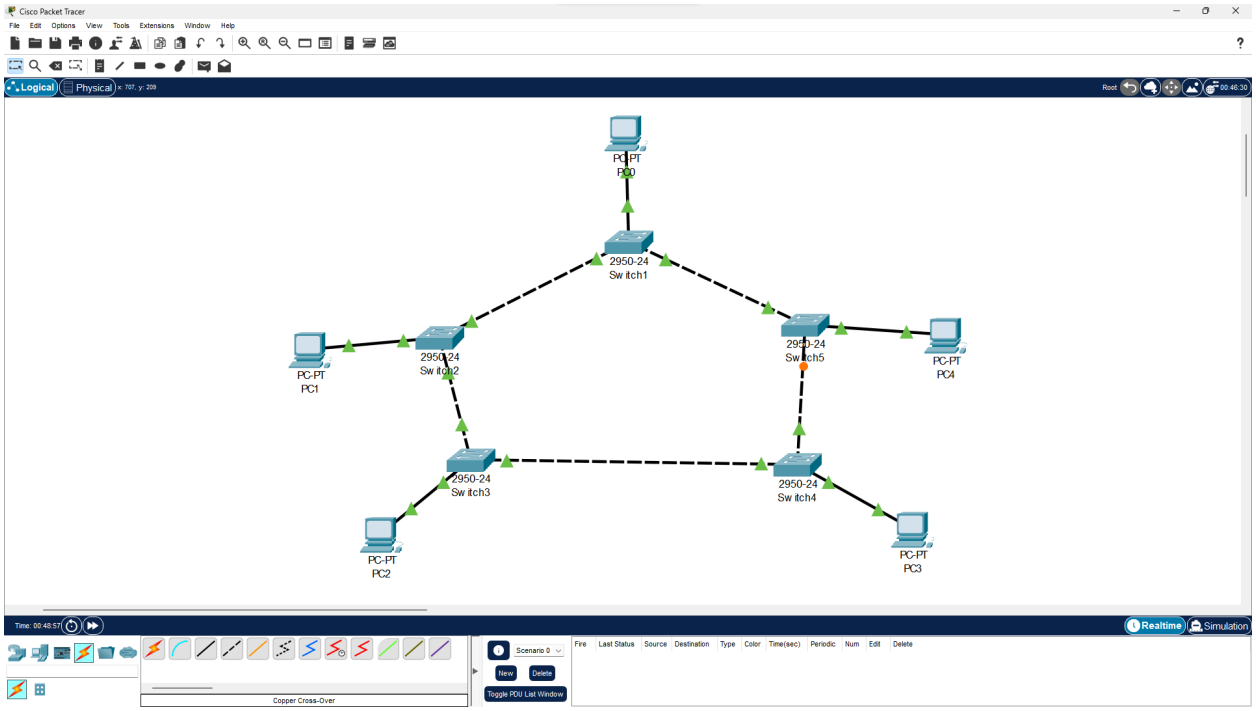

Star Topology:



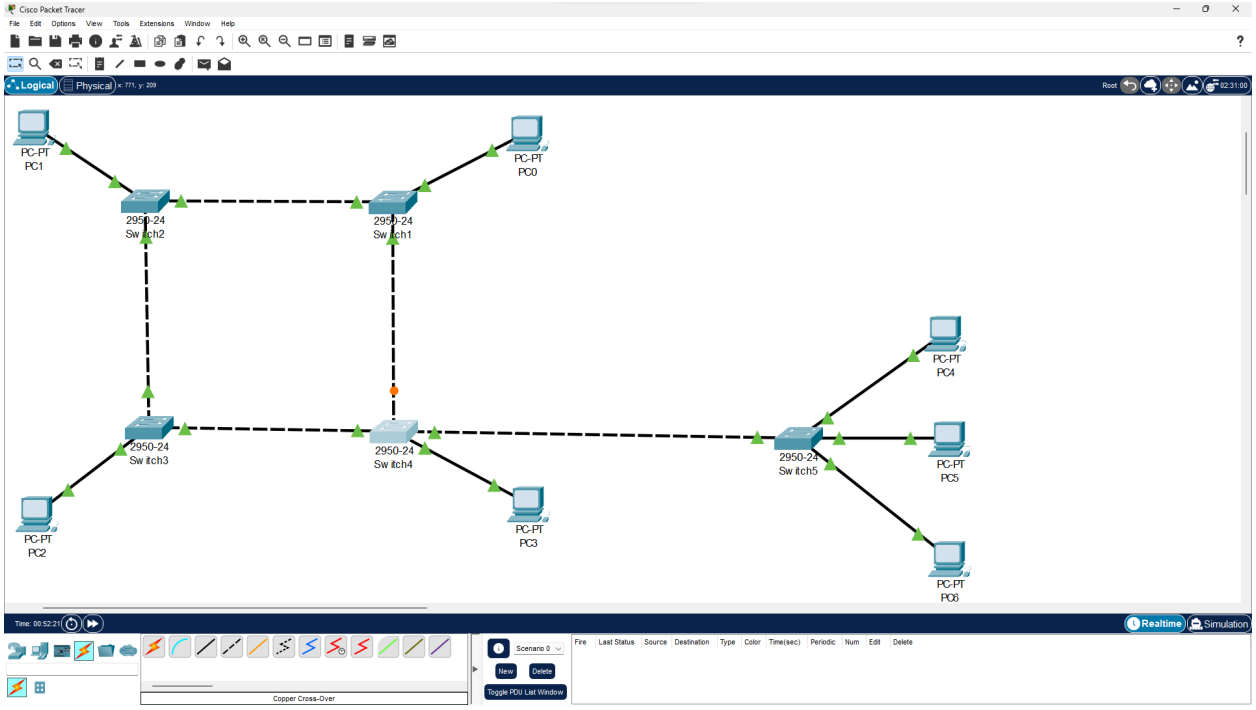
Bus Topology:




Ring Topology:

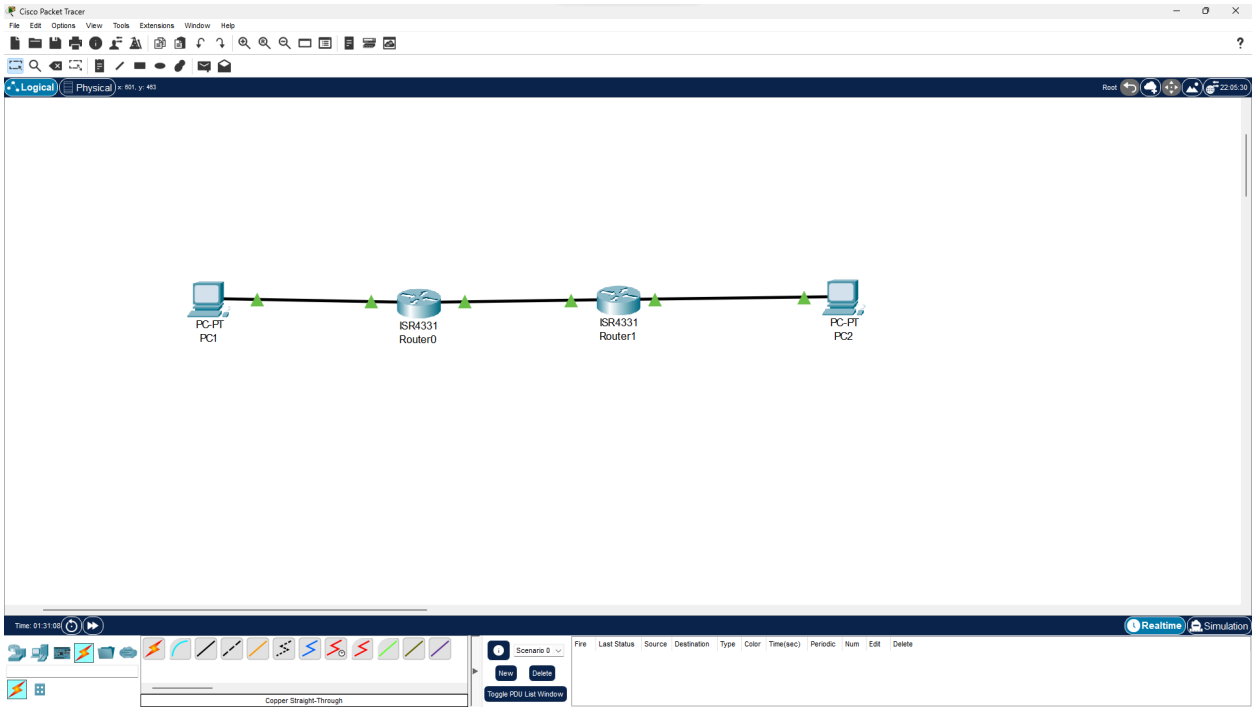


Hybrid Topology:

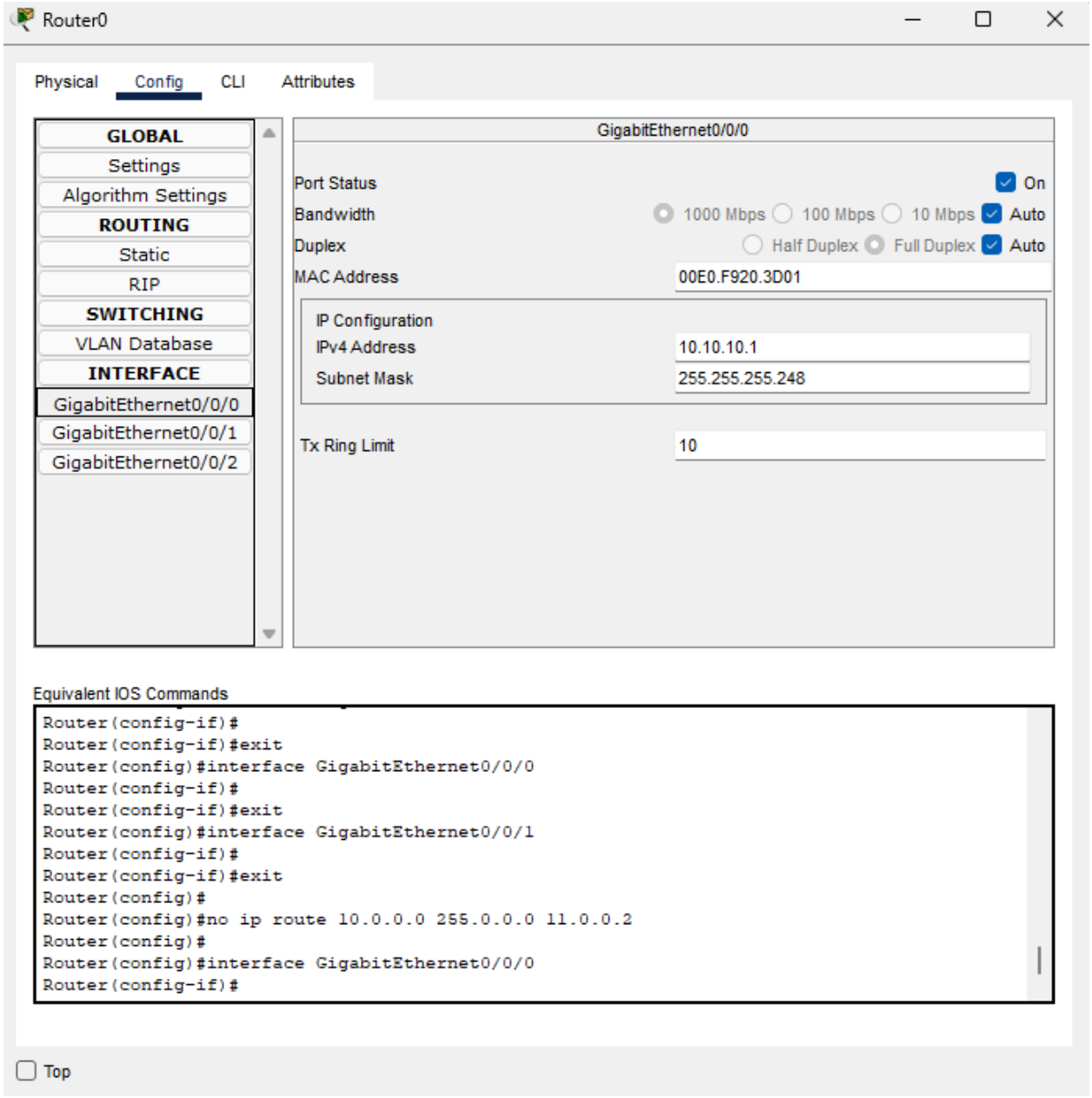


# Static Routing

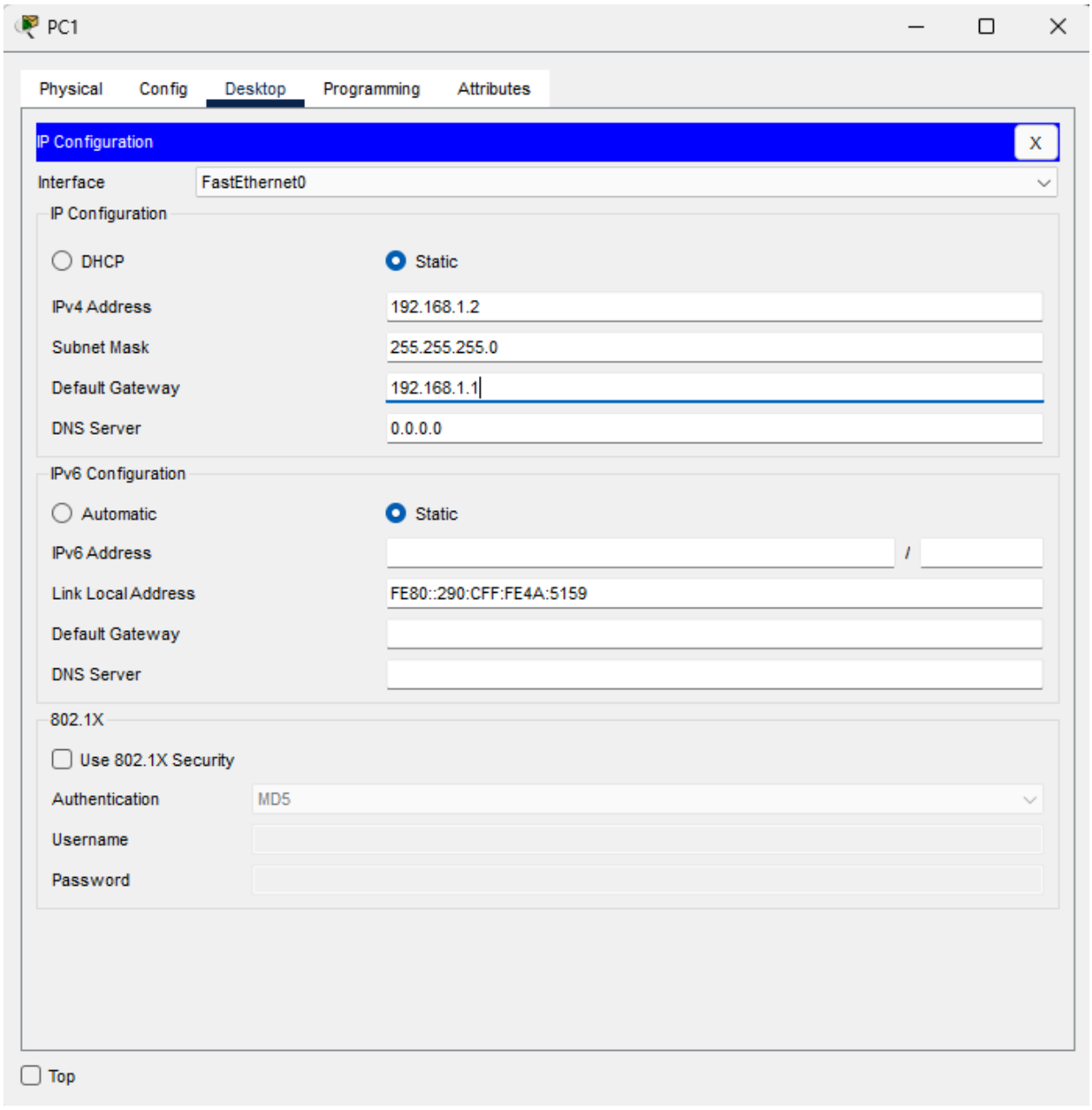
We connect two routers with two respective devices:



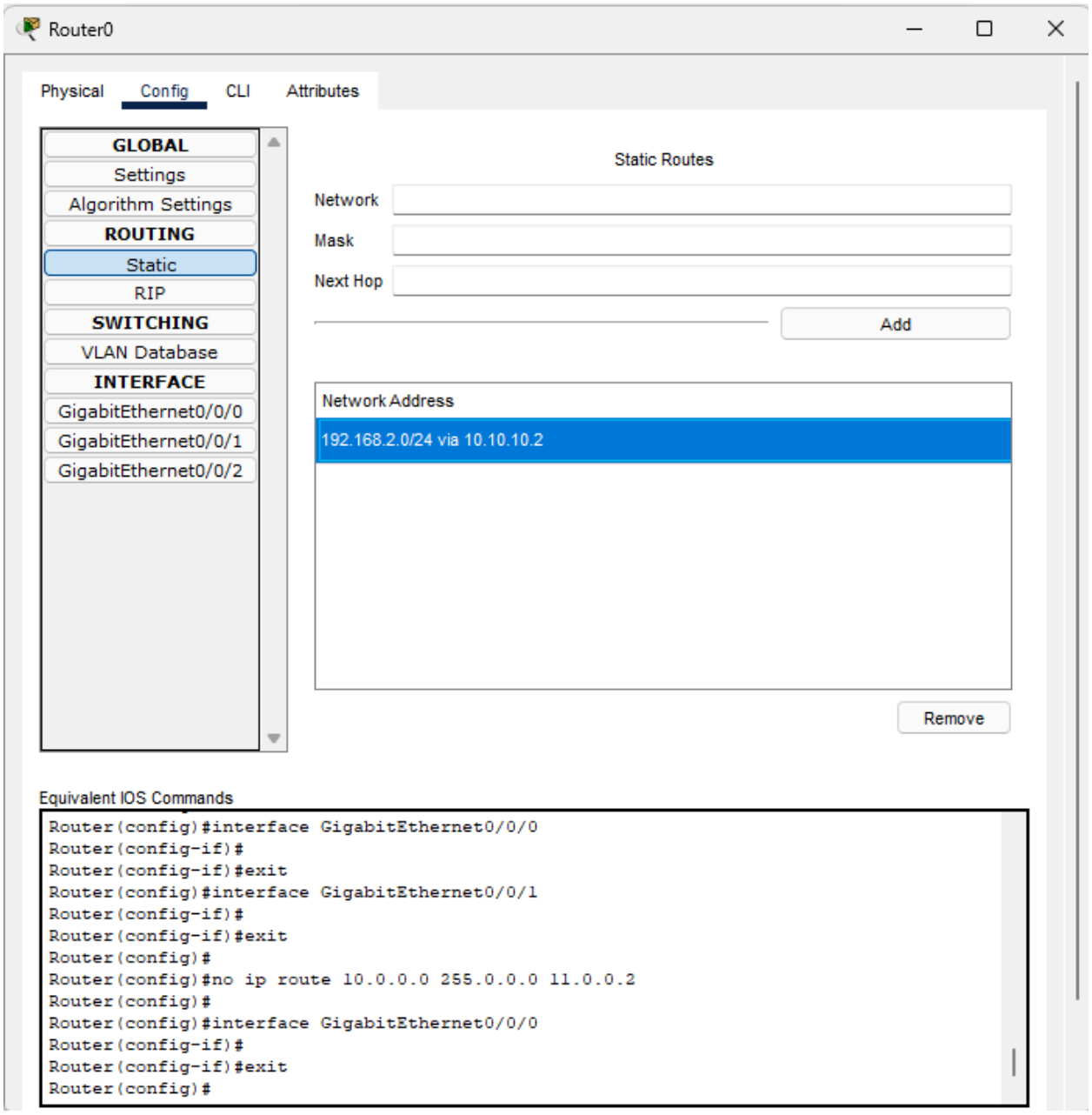
Configure IP address for the Routers:



Configure the Gateway and IP of the PC:



Configuring Routers for communication:



Ping from PC0 to PC1: