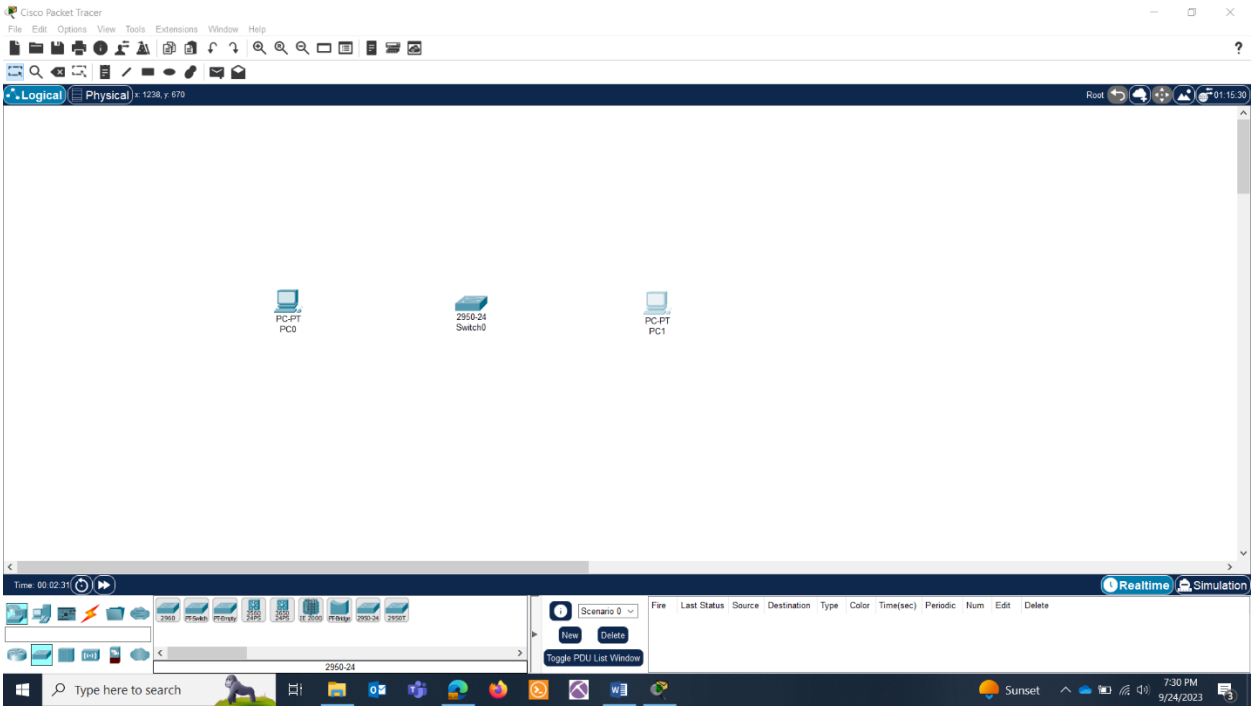
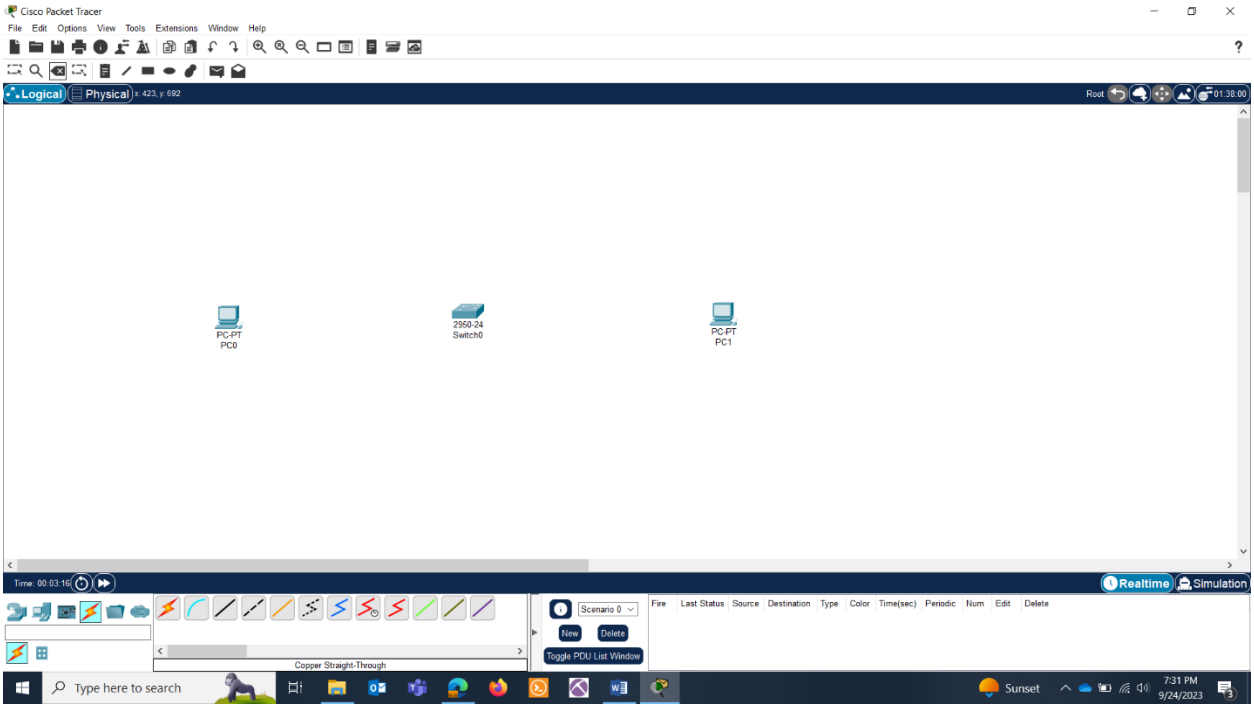
PING BTW PCs

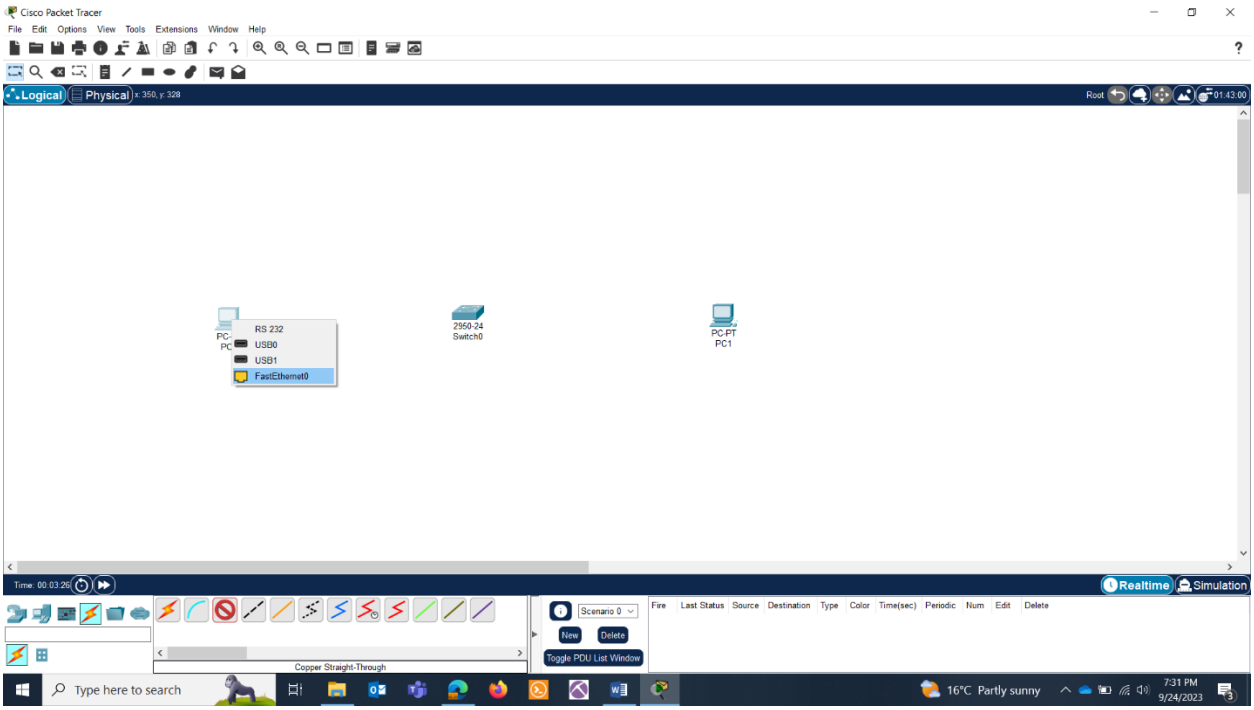
Drag and drop two PCs & one switch.

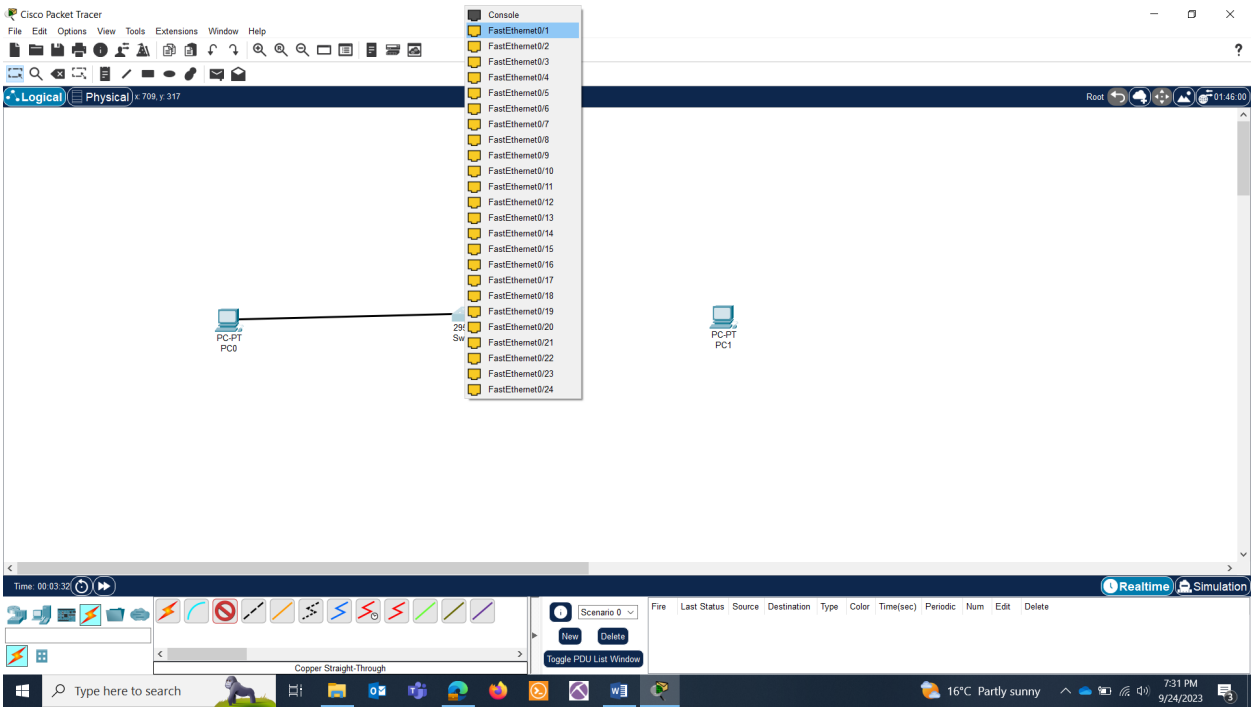


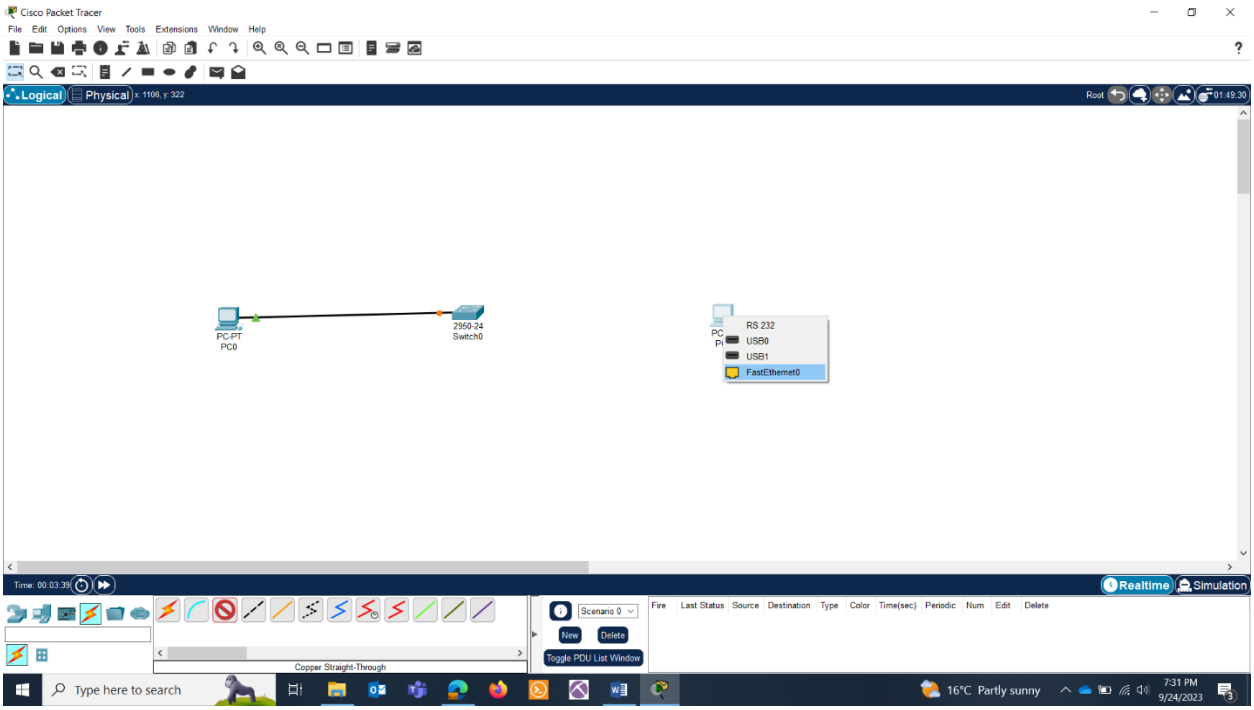
Pick a copper wire & connect them PCs and Switches as follows:

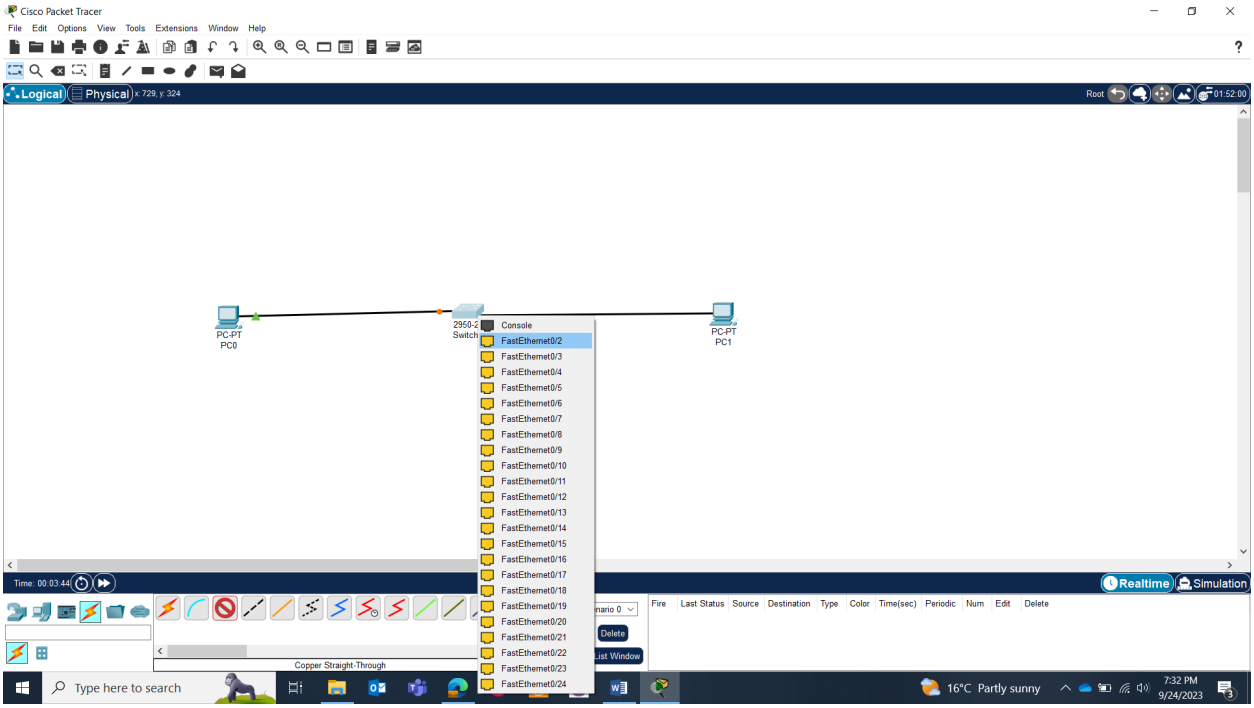
- PC1(Fastethernet0) to SW1(fastethernert0/1)
- PC2(fastethernet0) to SW1(fastethernet0/2)


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 423, y: 692
Root 01:38:00
PC-PT PC0
2950-24 Switch0
PC-PT PC1
Time: 00:03:16
Realtime Simulation
Copper Straight-Through
Scenario 0
New Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Type here to search
Sunset
7:31 PM 9/24/2023


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 350, y: 328
Root 01:43:00
PC-PT PC
RS 232
USB0
USB1
FastEthernet0
2950-24 Switch0
PC-PT PC1
Time: 00:03:26
Realtime Simulation
Copper Straight-Through
Scenario 0
New Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Type here to search
16°C Partly sunny
7:31 PM 9/24/2023

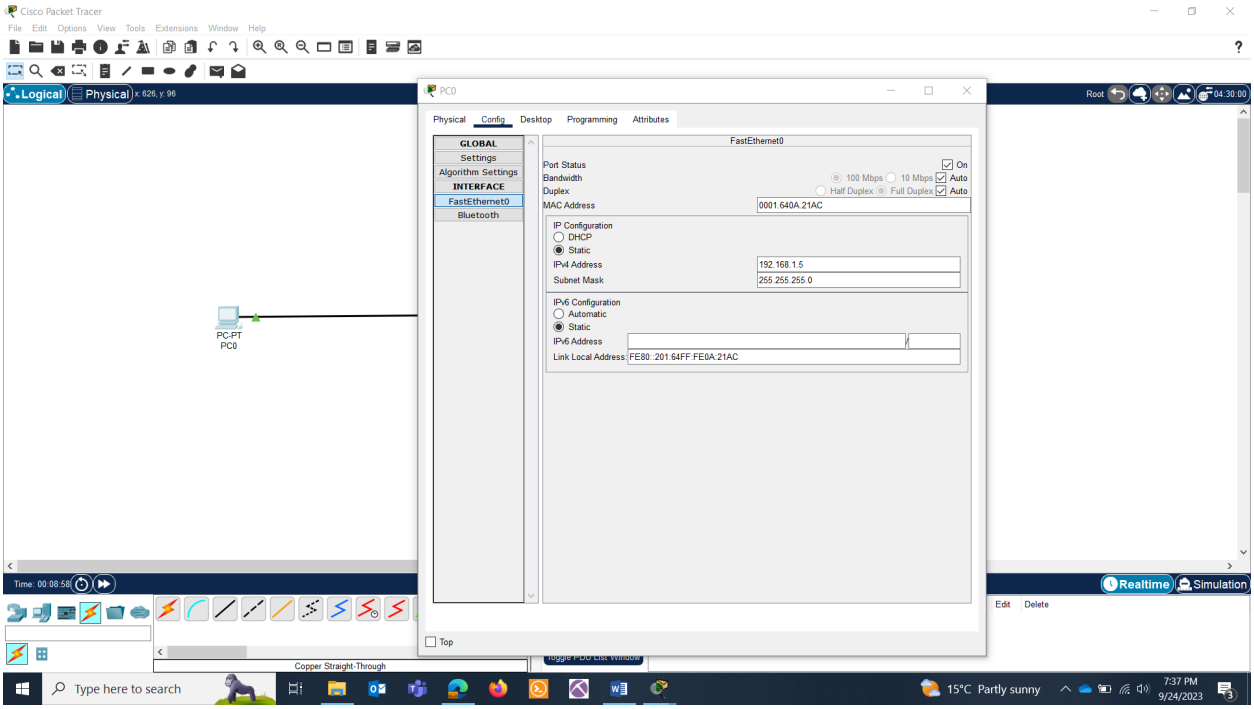

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 709, y: 317
Root 01:46:00
Console
FastEthernet0/1
FastEthernet0/2
FastEthernet0/3
FastEthernet0/4
FastEthernet0/5
FastEthernet0/6
FastEthernet0/7
FastEthernet0/8
FastEthernet0/9
FastEthernet0/10
FastEthernet0/11
FastEthernet0/12
FastEthernet0/13
FastEthernet0/14
FastEthernet0/15
FastEthernet0/16
FastEthernet0/17
FastEthernet0/18
FastEthernet0/19
FastEthernet0/20
FastEthernet0/21
FastEthernet0/22
FastEthernet0/23
FastEthernet0/24
PC-PT PC0
PC-PT PC1
Time: 00:03:32
Realtime Simulation
Copper Straight-Through
Scenario 0
New Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Type here to search
16°C Partly sunny
7:31 PM 9/24/2023


Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical Physical x: 1106, y: 322
Root 01:49:30
PC-PT PC0
2950-24 Switch0
RS 232
USB0
USB1
FastEthernet0
Time: 00:03:39
Realtime Simulation
Copper Straight-Through
Scenario 0
New Delete
Toggle PDU List Window
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Type here to search
16°C Partly sunny
7:31 PM 9/24/2023

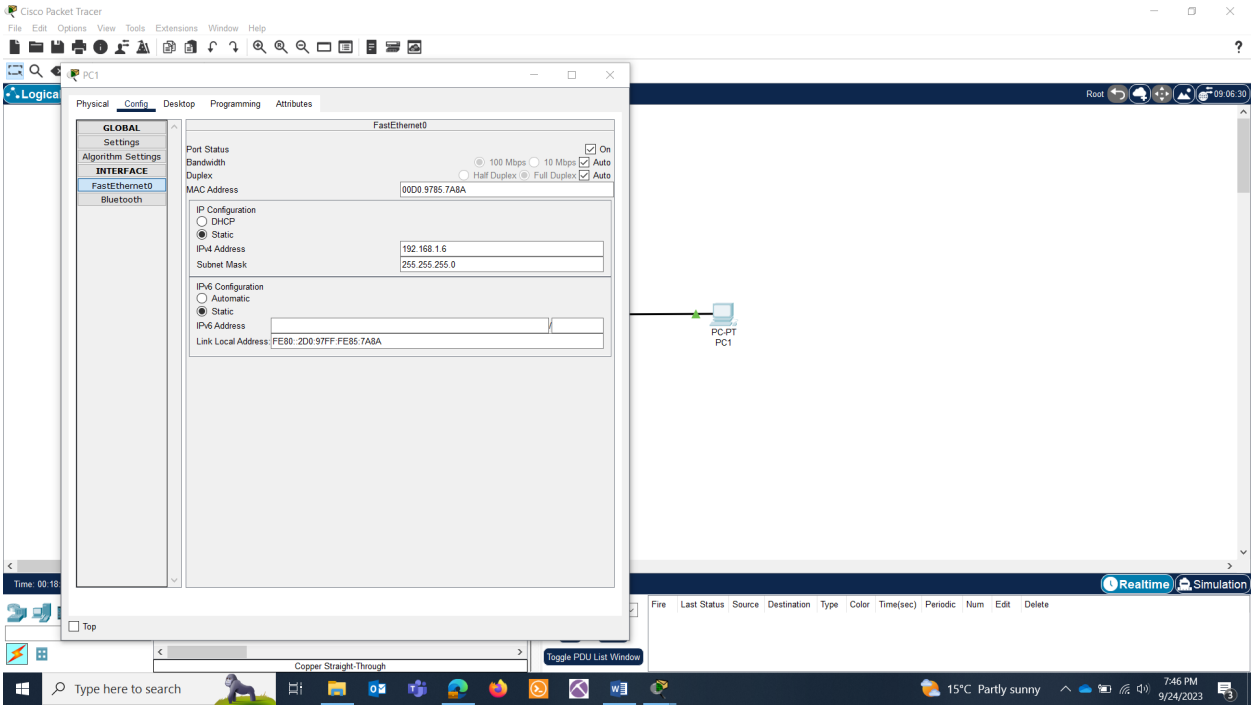


Lets allocate ip addresses to the PCs.

Right click on PC0 > Config > Fastethernet0. Give the ip address.



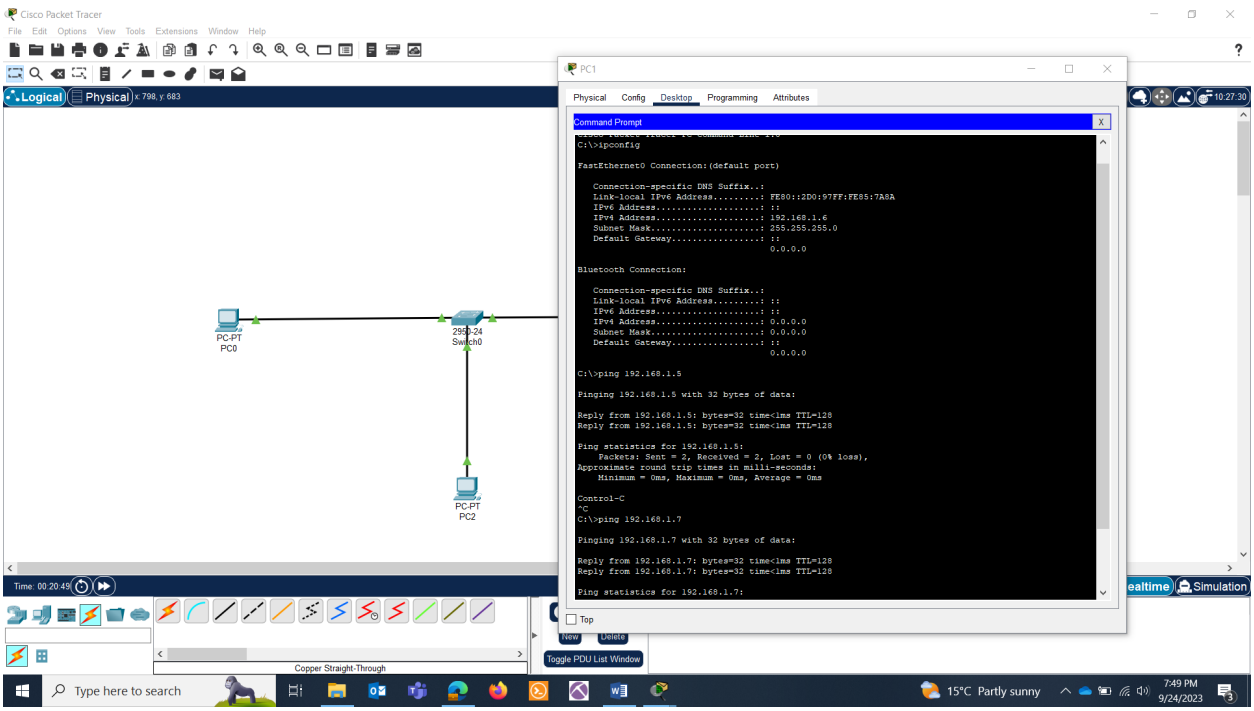
Do the same for PC1



Now add third PC yourself and allocate ip address 192.168.1.7.

Lets ping.

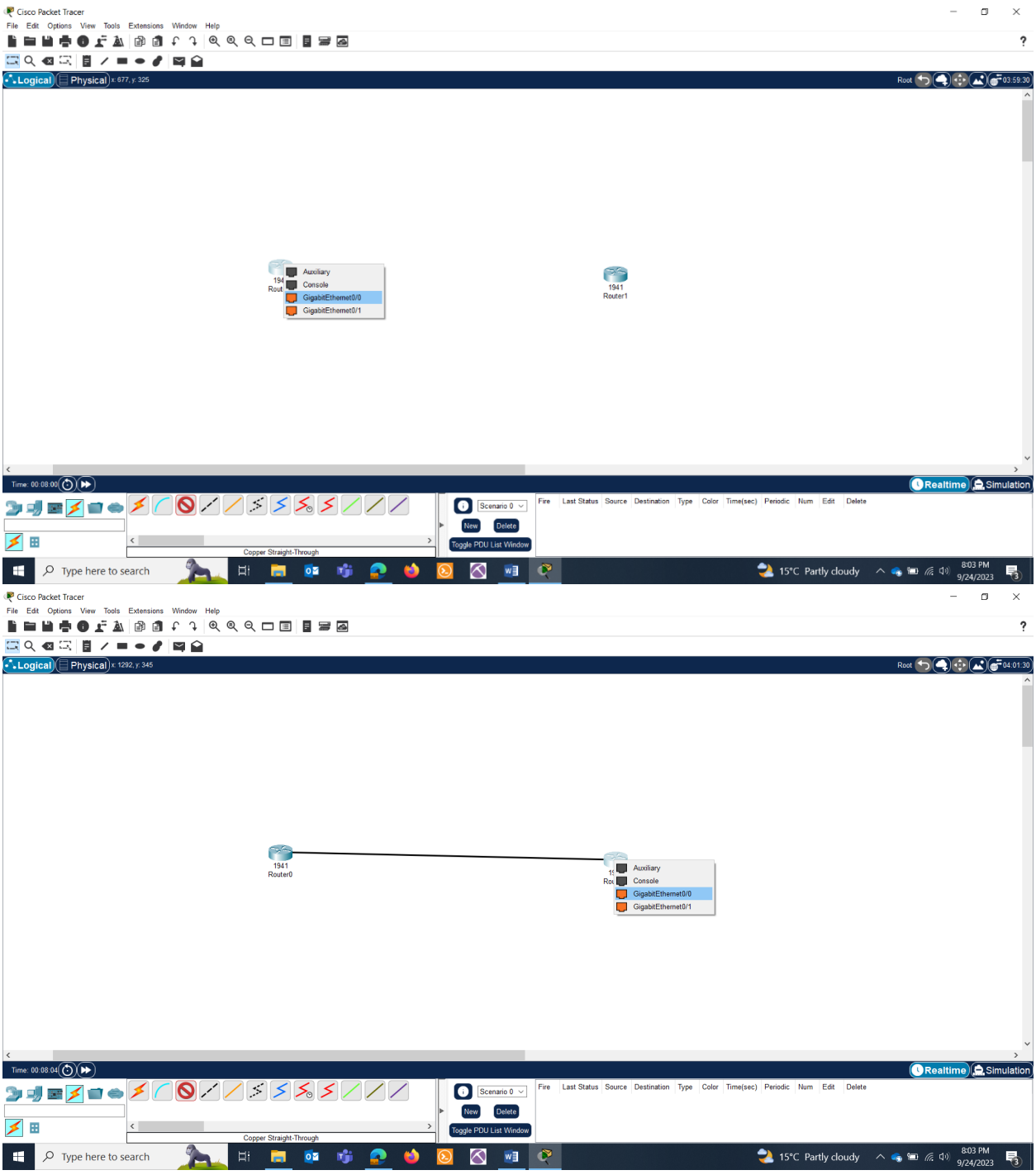
PC1> Desktop > CMD



BASICS IN ROUTERS

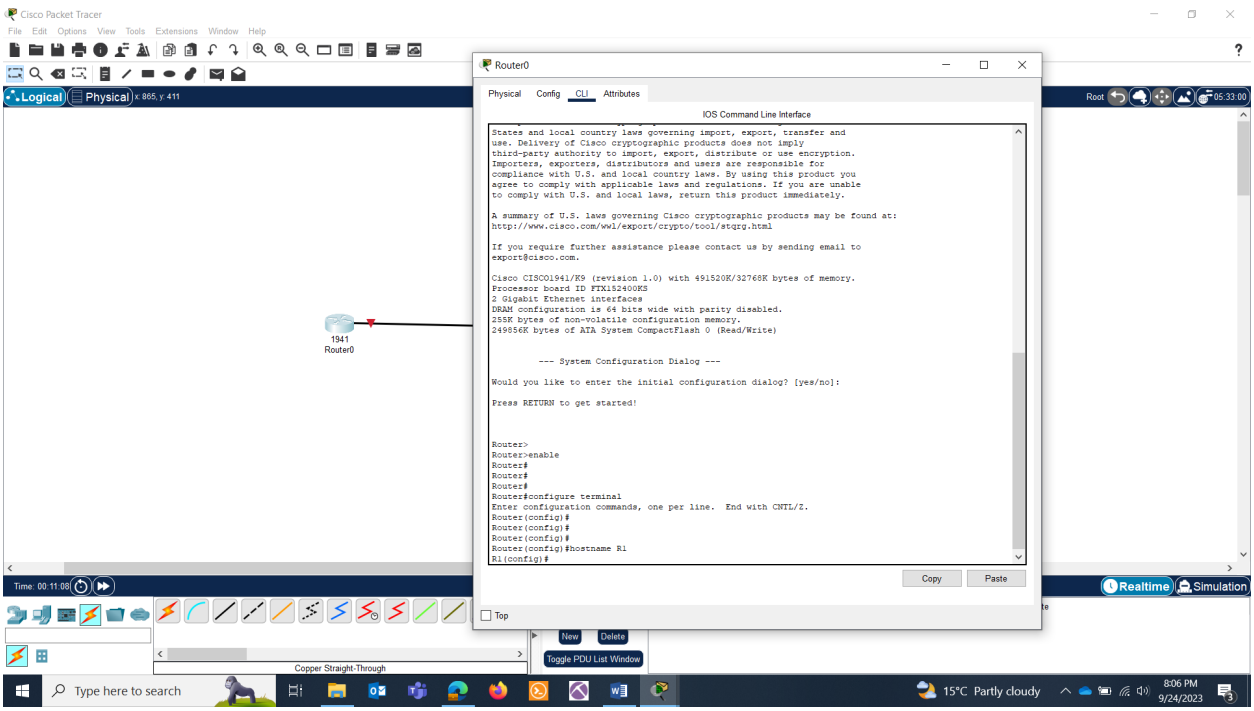
We'll learn the following:

- Connect R1 and R2 by the GigaEthernet0/0 interfaces.

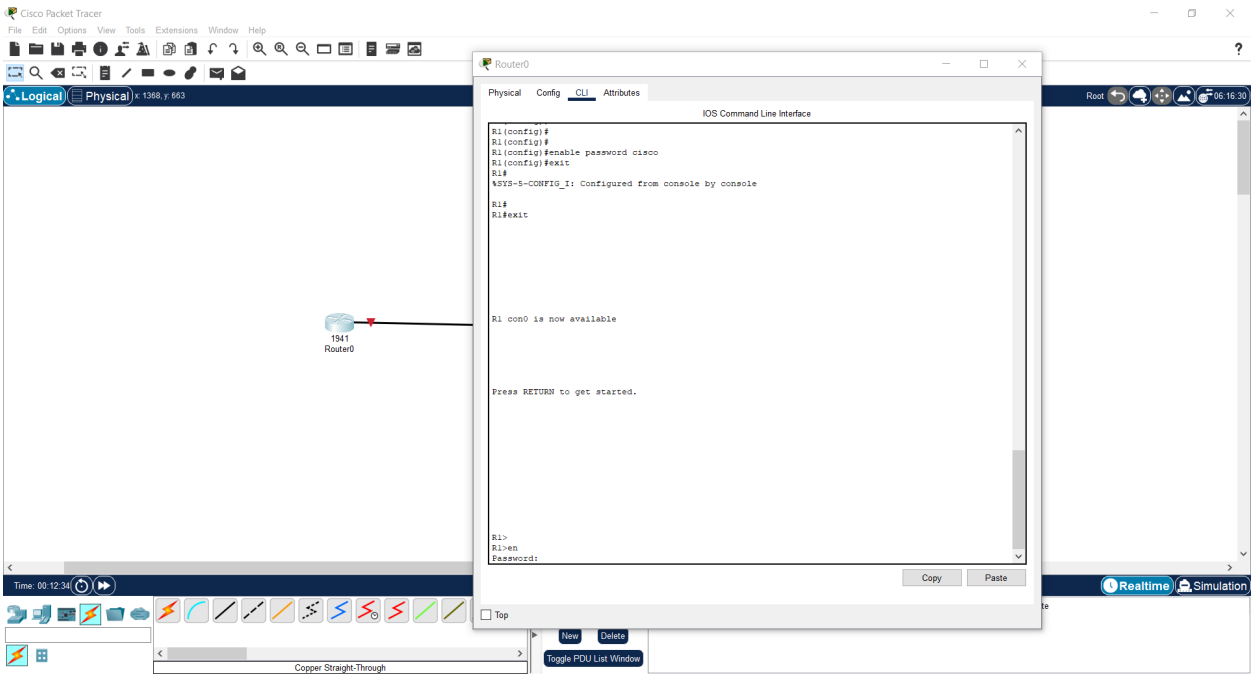


- Set the hostnames according to the network diagram R1 and R2.

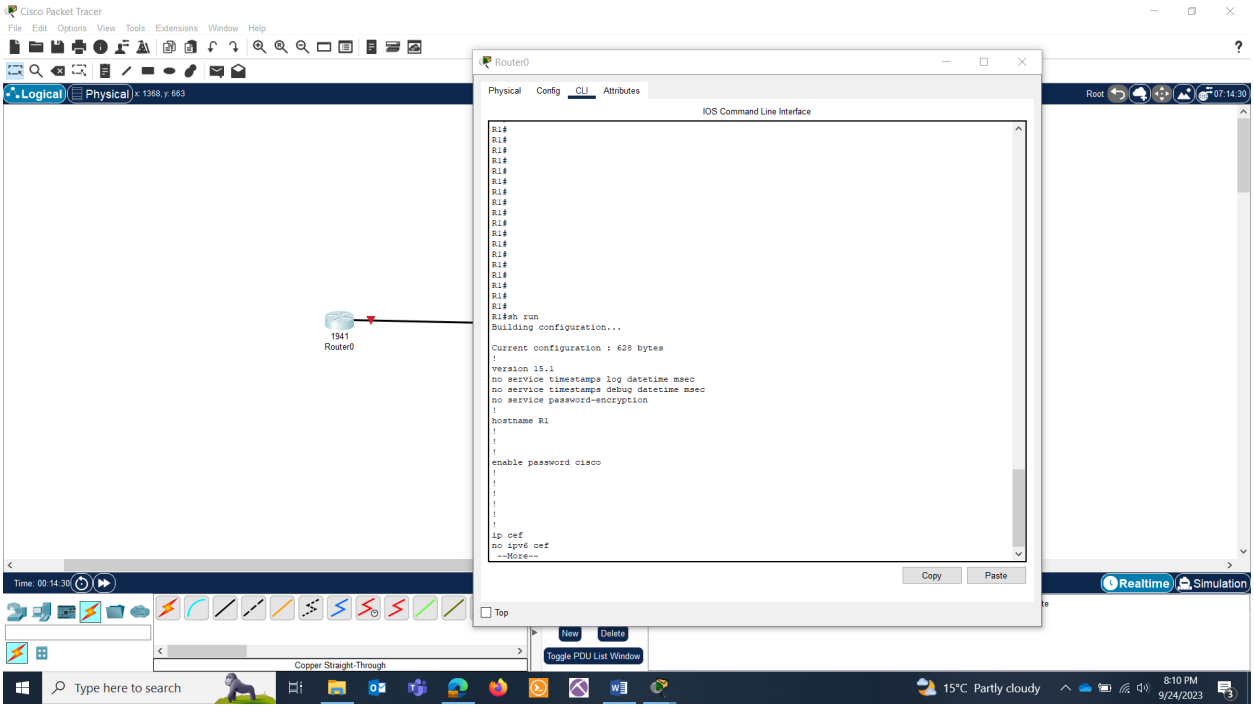
Right click on R0>CLI.



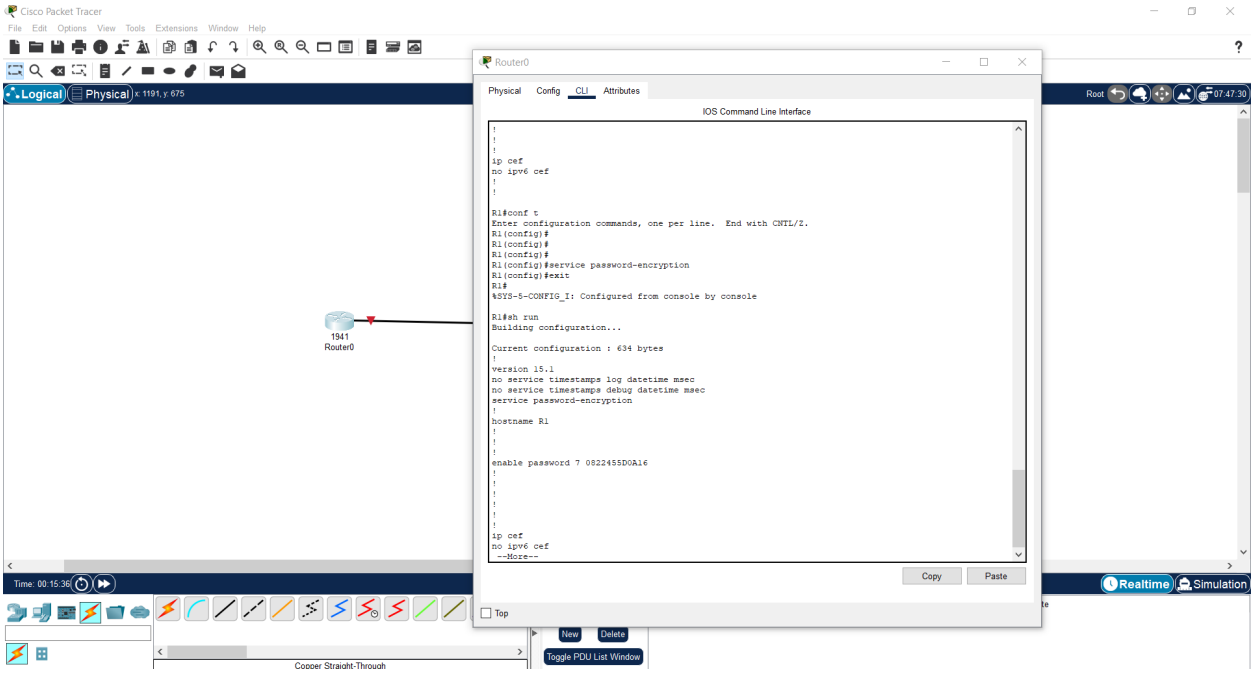
- Set the enable password on each router to ‘cisco’.



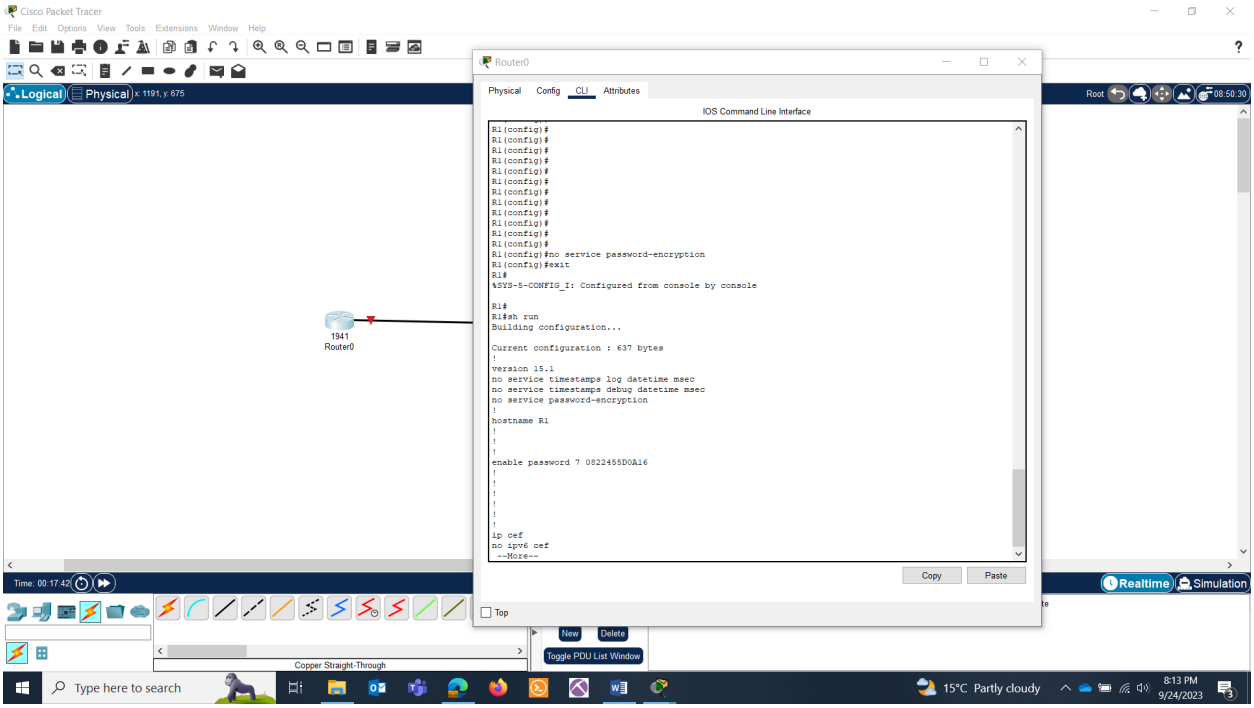
- View the password in the running configuration. Is it encrypted ?



- Enable password encryption on each router.

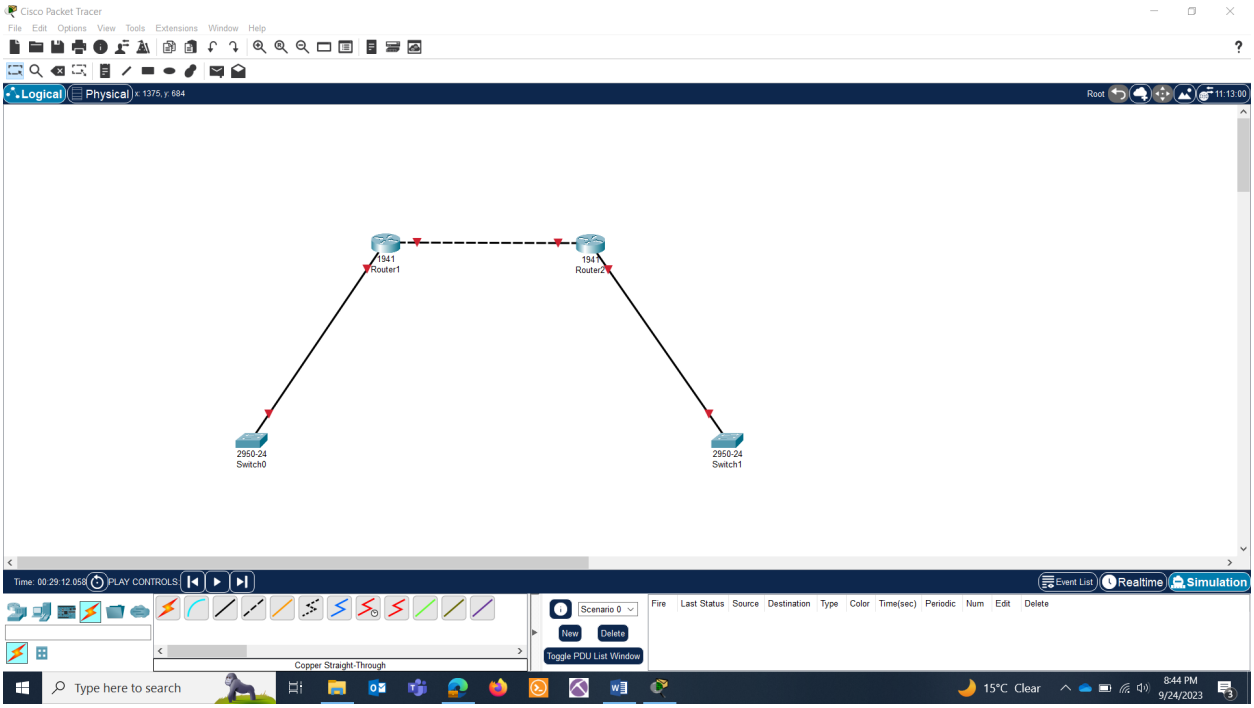


- Disable password encryption on each router.



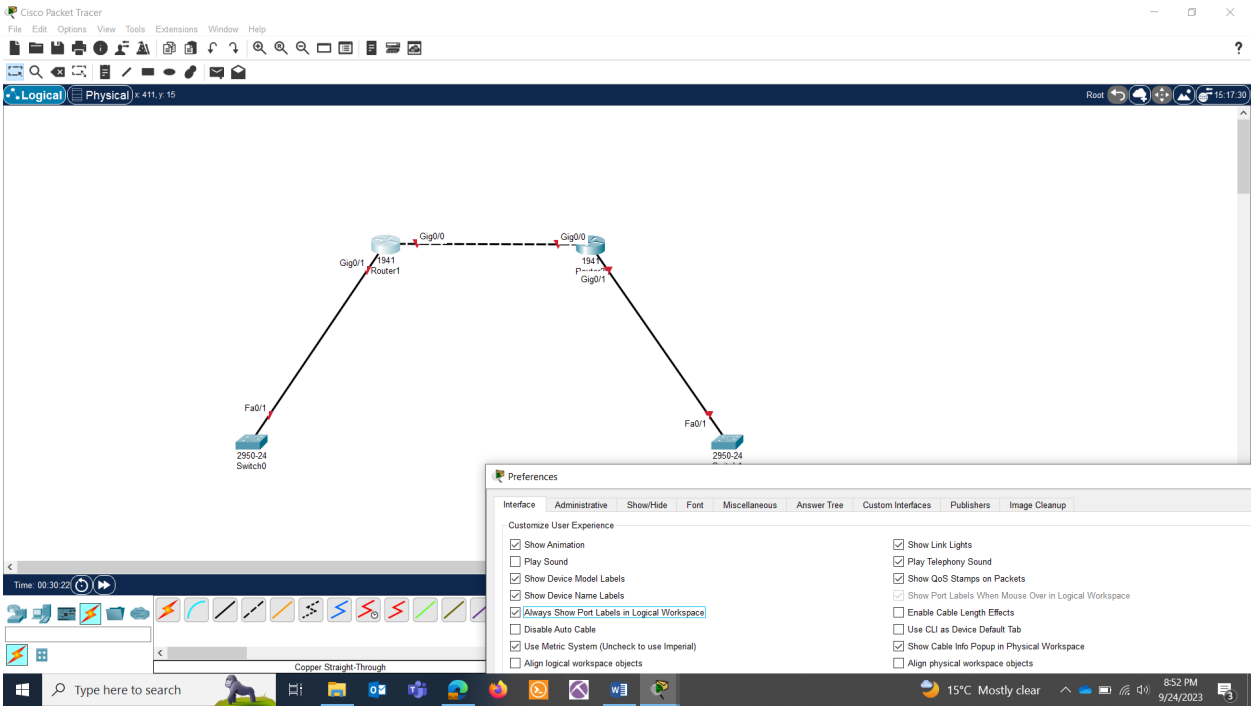
INTERFACES

Make this topology.



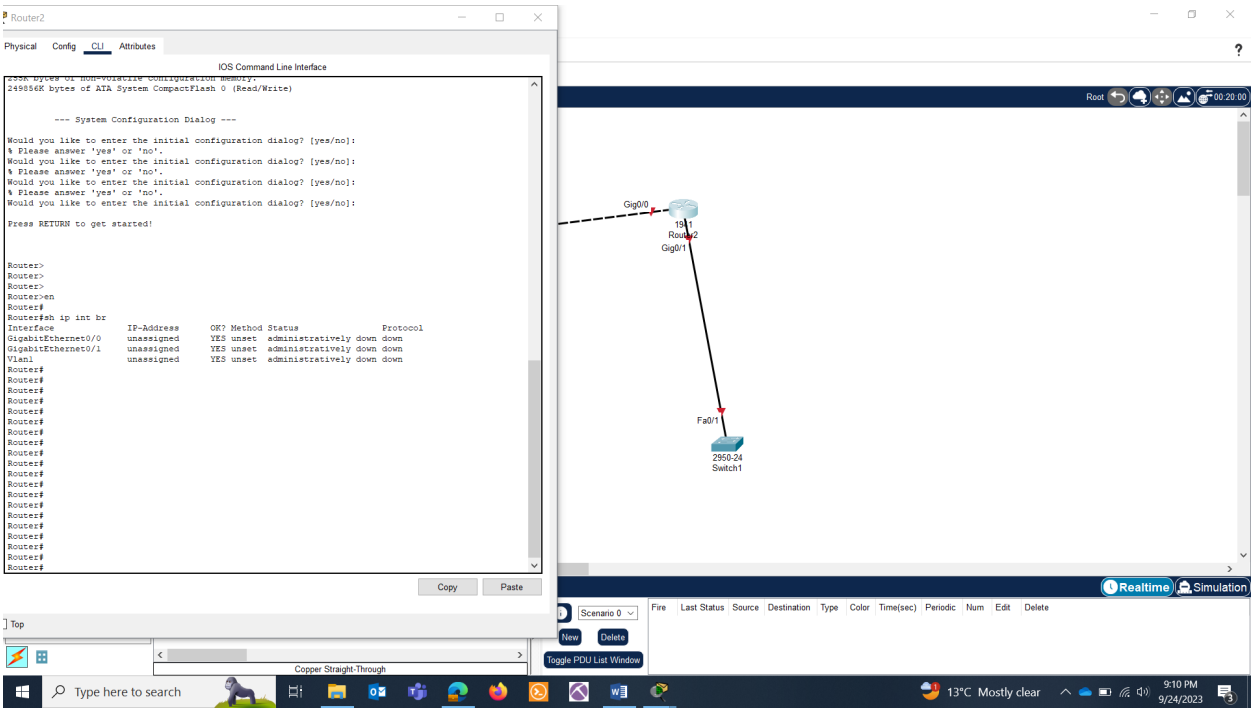
Ports Connection:

Options> preferences.



How to check the IP address of all interfaces:

You can use the “**show ip interface brief**” command in Privileged EXEC mode for checking the IP address of all interface of Cisco device.



How to set the IP address to Cisco interface:

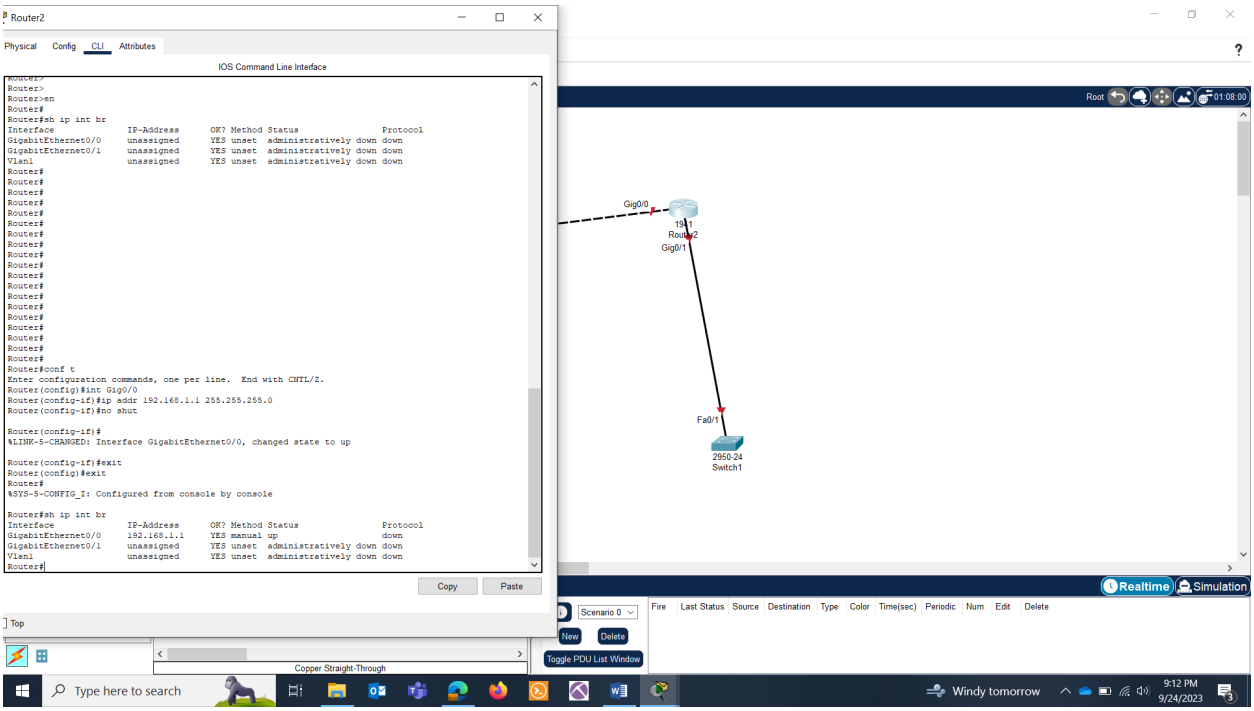
You can set the IP address to any Cisco device interface by using the following commands:

Router(config)#interface <interface name&number>

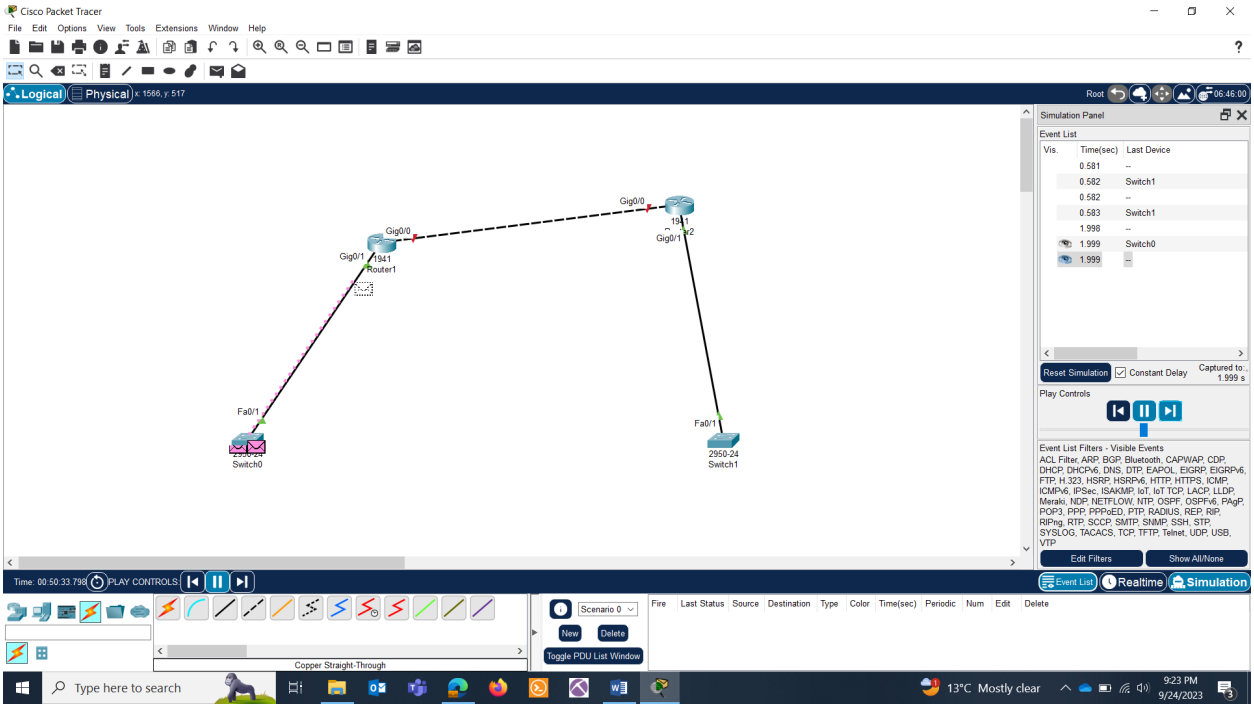
Router(config-if)#ip address <IP address> <subnet mask>

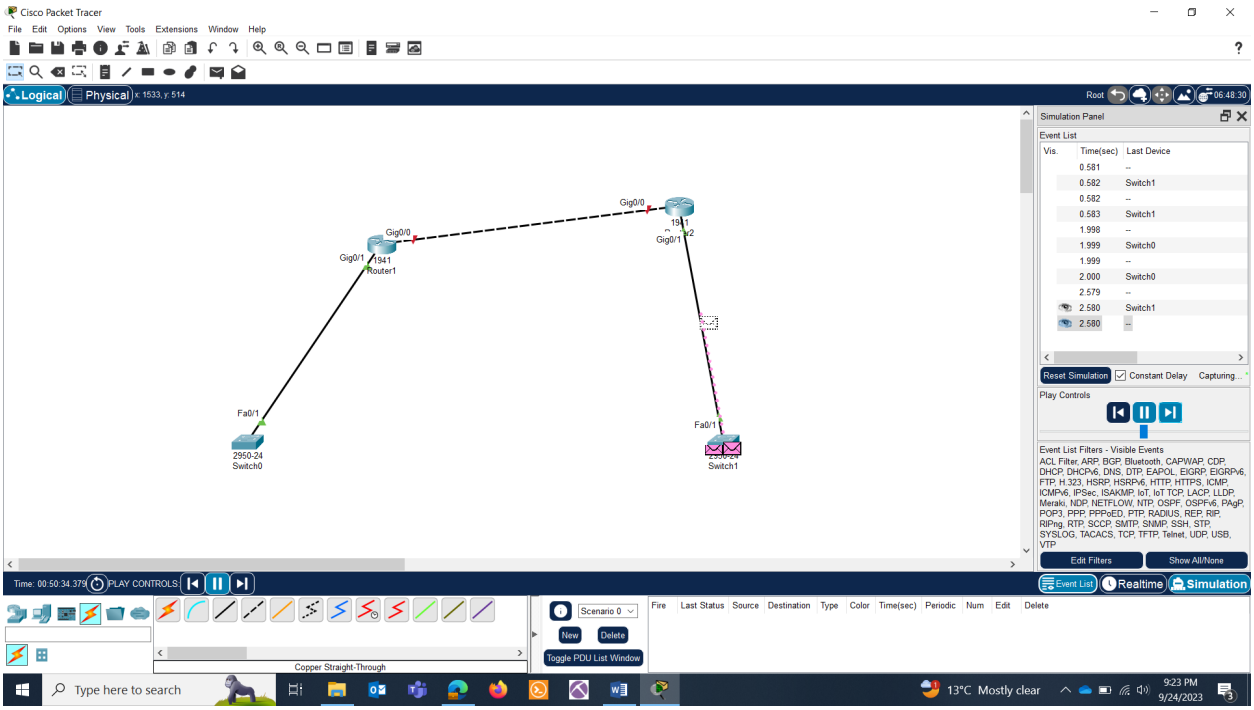
How to enable a port or interface

Router(config-if)#no shut

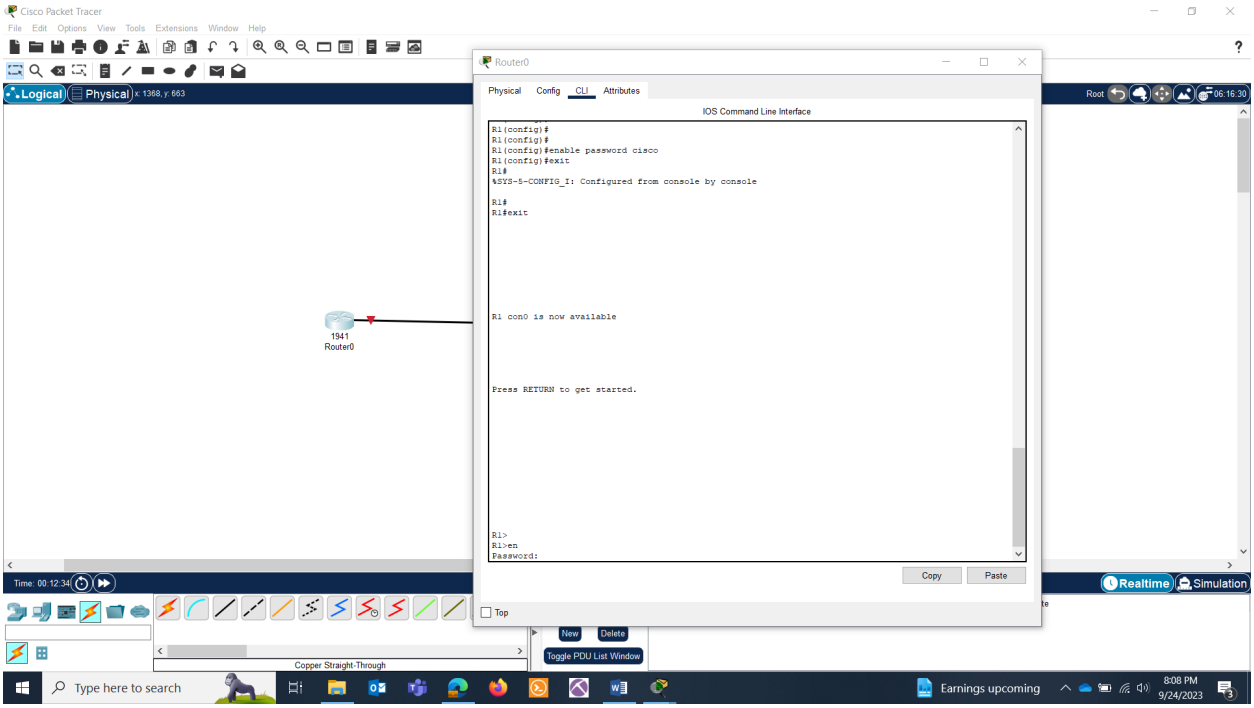


Go in simulation mode:





Perform it for Gig0/1



Saving Configuration: