

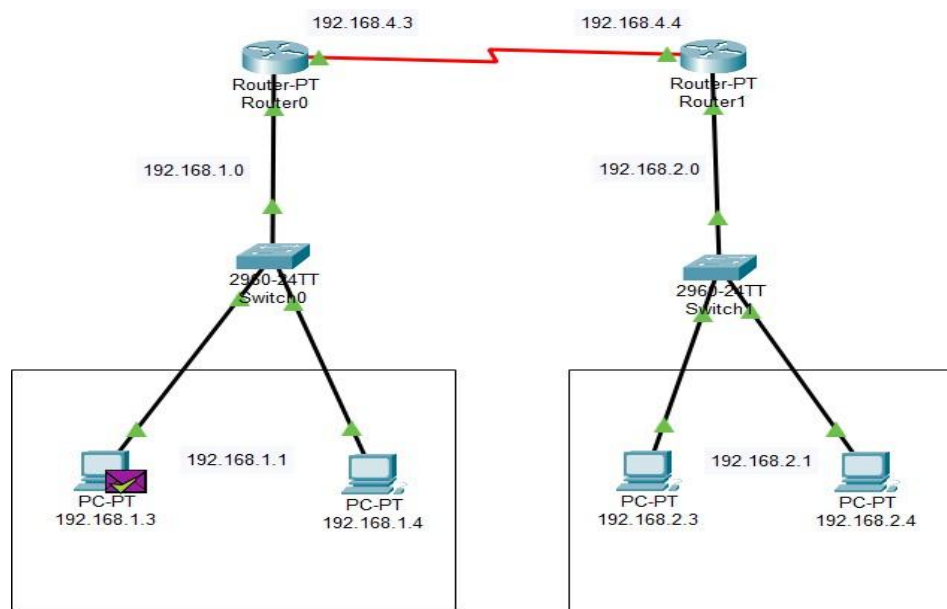
Date: 13/08/2025

Lab Practical #11:

Study the concept of routing using packet tracer. (Dynamic Routing)

Practical Assignment #11:

1. Connect the two different networks based on the calculated IP addresses and subnet using a packet tracer.



PDU Information at Device: 192.168.1.3

OSI Model [Inbound PDU Details](#)

PDU Formats

EthernetII

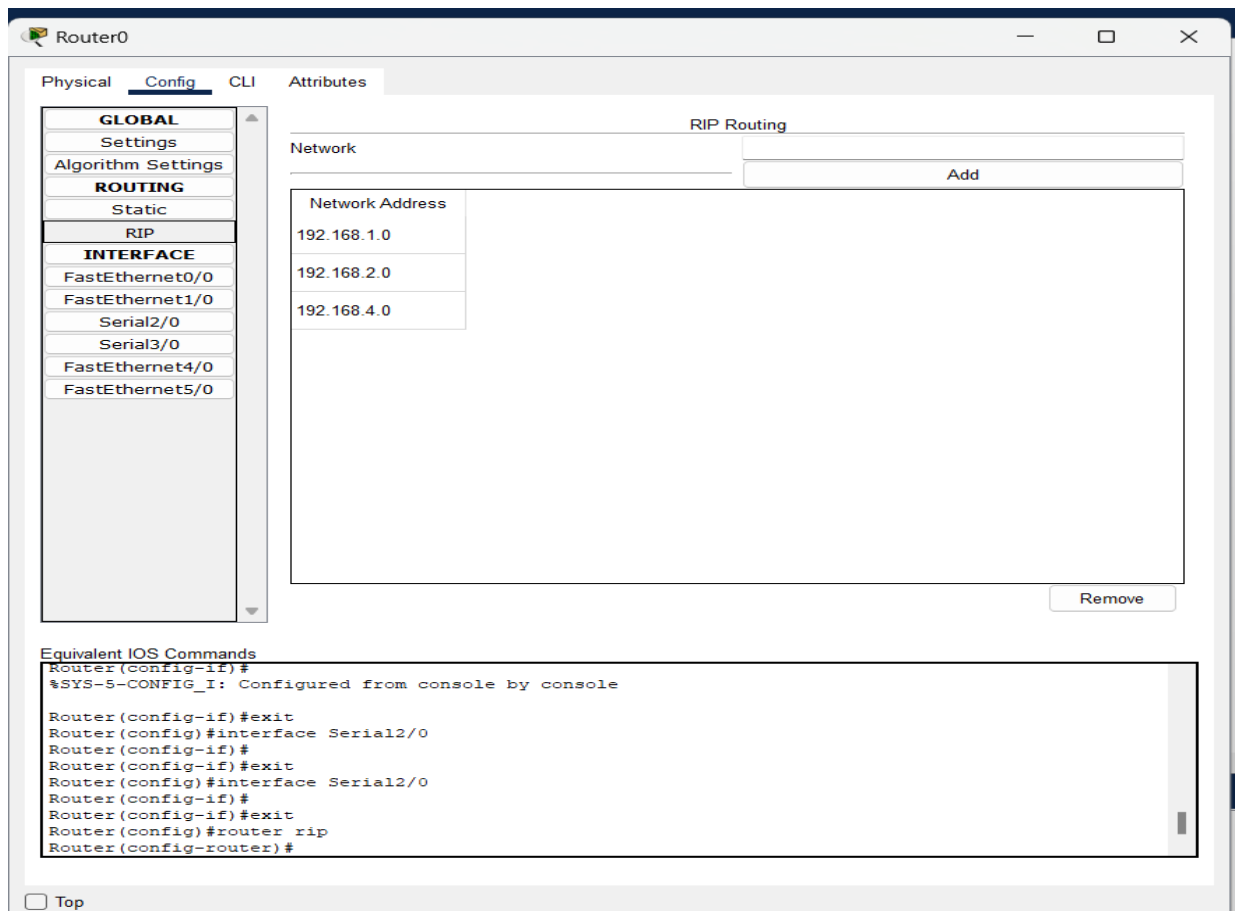
0		4		8		Bytes	
PREAMBLE: 101010..10				SF D	DEST ADDR: 00E0.F921.719B		
SRC ADDR: 0000.0C40.23C7		TYPE: 0x0800		DATA (VARIABLE LENGTH)		FCS: 0x00000000	

IP

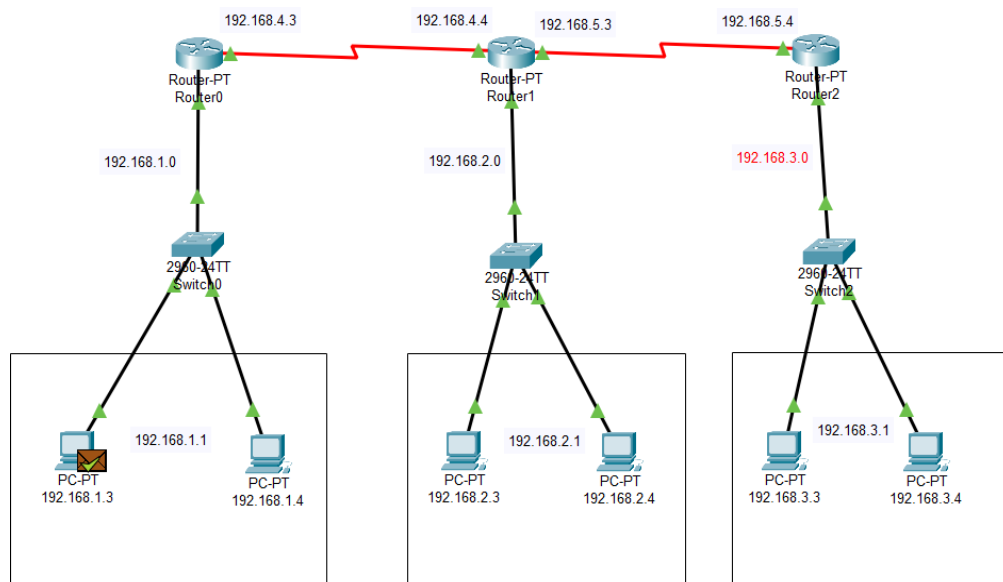
0		4		8		16		20		24		Bits	
VER: 4	IHL: 5	DSCP: 0x00		DSCP: 0x00		TL: 28							
ID: 0x0006				FLAGS: 0x0		FRAG OFFSET: 0x000							
TTL: 126				PRO: 0x01		CHKSUM							
SRC IP: 192.168.2.3													
DST IP: 192.168.1.3													
DATA (VARIABLE LENGTH)													

ICMP

0		8		16		Bits	
TYPE: 0x00		CODE: 0x00		CHECKSUM			



2. Connect the three different networks based on the calculated IP addresses and subnet using a packet tracer.





PDU Information at Device: 192.168.1.3

OSI Model [Inbound PDU Details](#)

PDU Formats

EthernetII

Bytes																		
0	4	8																
PREAMBLE: 101010..10								SF D	DEST ADDR: 00E0.F921.719B									
SRC ADDR: 0000.0C40.23C7				TYPE: 0x0800				DATA (VARIABLE LENGTH)				FCS: 0x00000000						

IP

Bits																															
0	4	8																	16	20	24										
VER: 4				IHL: 5				DSCP: 0x00								TL: 28															
								DSCP: 0x00																							
ID: 0x0005												FLAGS: 0x0								FRAG OFFSET: 0x000											
TTL: 125								PRO: 0x01								CHKSUM															
SRC IP: 192.168.3.3																															
DST IP: 192.168.1.3																															
DATA (VARIABLE LENGTH)																															

ICMP

Bits																															
0	8																	16													
TYPE: 0x00								CODE: 0x00								CHECKSUM															

