



School of Computer Science and Engineering

**CSE3003- Computer Networks Lab**

<b>Ex No. 11</b>	<b>Four-Router Configuration</b>
<b>Date</b>	<b>5-06-2021</b>
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<b>Slot</b>	<b>L23+L24</b>

## Four-Router Configuration

### Steps :

**Step 1:** Create a Network with four routers attached with **WIC-1T port** to provide a port serial connection to remote sites

**Step 2:** Connect the routers with serial DCE cable and also connect pc's

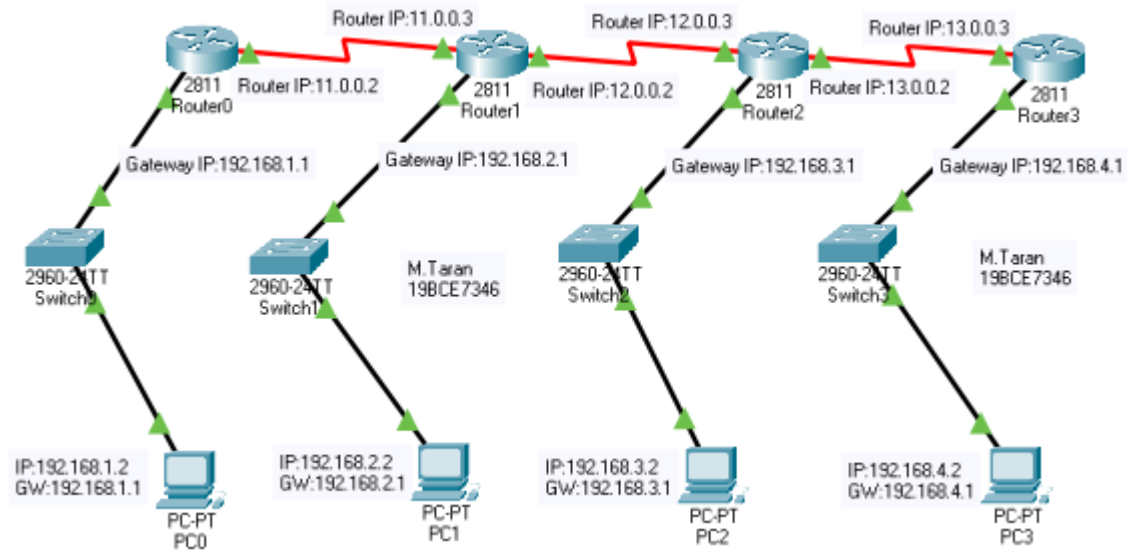
**Step 3:** Assign IP address and different Gateway for different network of Pc's

**Step 4:** Assign serial IP address and static routes for Router in series

**Step 5:** Assign Gateway of network as IP address of that network Router

**Step 6:** Check the packet transmission through different PC's, Routers.

Network Address	Network Address	Network Address	Network Address
192.168.2.0/24 via 11.0.0.3	192.168.1.0/24 via 11.0.0.2	192.168.1.0/24 via 12.0.0.2	192.168.1.0/24 via 13.0.0.2
192.168.3.0/24 via 11.0.0.3	192.168.3.0/24 via 12.0.0.3	192.168.2.0/24 via 12.0.0.2	192.168.2.0/24 via 13.0.0.2
192.168.4.0/24 via 11.0.0.3	192.168.4.0/24 via 12.0.0.3	192.168.4.0/24 via 13.0.0.3	192.168.3.0/24 via 13.0.0.2



Physical Config CLI

Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

Serial0/0/0

Serial0/2/0

## Static Routes

Network 192.168.1.0

Mask 255.255.255.0

Next Hop 11.0.0.2

Add

Network Address
192.168.1.0/24 via 12.0.0.2
192.168.2.0/24 via 12.0.0.2
192.168.4.0/24 via 13.0.0.3

Cisco Packet Tracer - C:\Users\Lenovo\Cisco Packet Tracer 8.0\saves\Four-Router Configuration.pkt

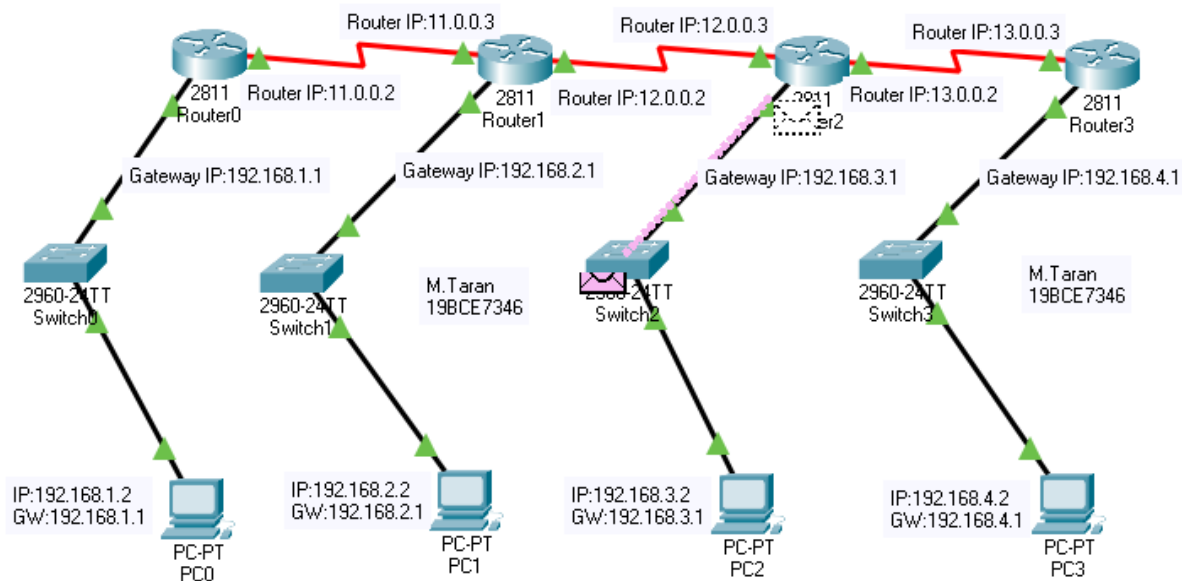
File Edit Options View Tools Extensions Window Help

Logical Physical 0:532 p:37

Time: 00:02:06

Scenario 0

File	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	D
ICMP	Successful	Router0	PC0	ICMP	Green	0.000	N	2	(edit)	(d)
ICMP	Failed	Router1	PC1	ICMP	Red	0.000	N	3	(edit)	(d)
ICMP	Successful	Router1	PC1	ICMP	Green	0.000	N	4	(edit)	(d)



**PDU list window of different transmissions:**

PDU List Window					
Fire	Last Status	Source	Destination	Type	Color
	Successful	PC0	PC1	ICMP	
	Successful	PC2	PC3	ICMP	
	Successful	PC1	PC3	ICMP	
	Successful	Router1	Router2	ICMP	
	Successful	PC3	PC2	ICMP	
	Successful	Router3	Router2	ICMP	
	Successful	PC1	Router3	ICMP	
	Successful	PC3	Router0	ICMP	
	Successful	PC1	Router2	ICMP	
	Successful	PC0	Router3	ICMP	
	Successful	Router1	Router0	ICMP	