Name - Saurav Bhandari
Course - MCA (2B)
Student Id - 20711088.

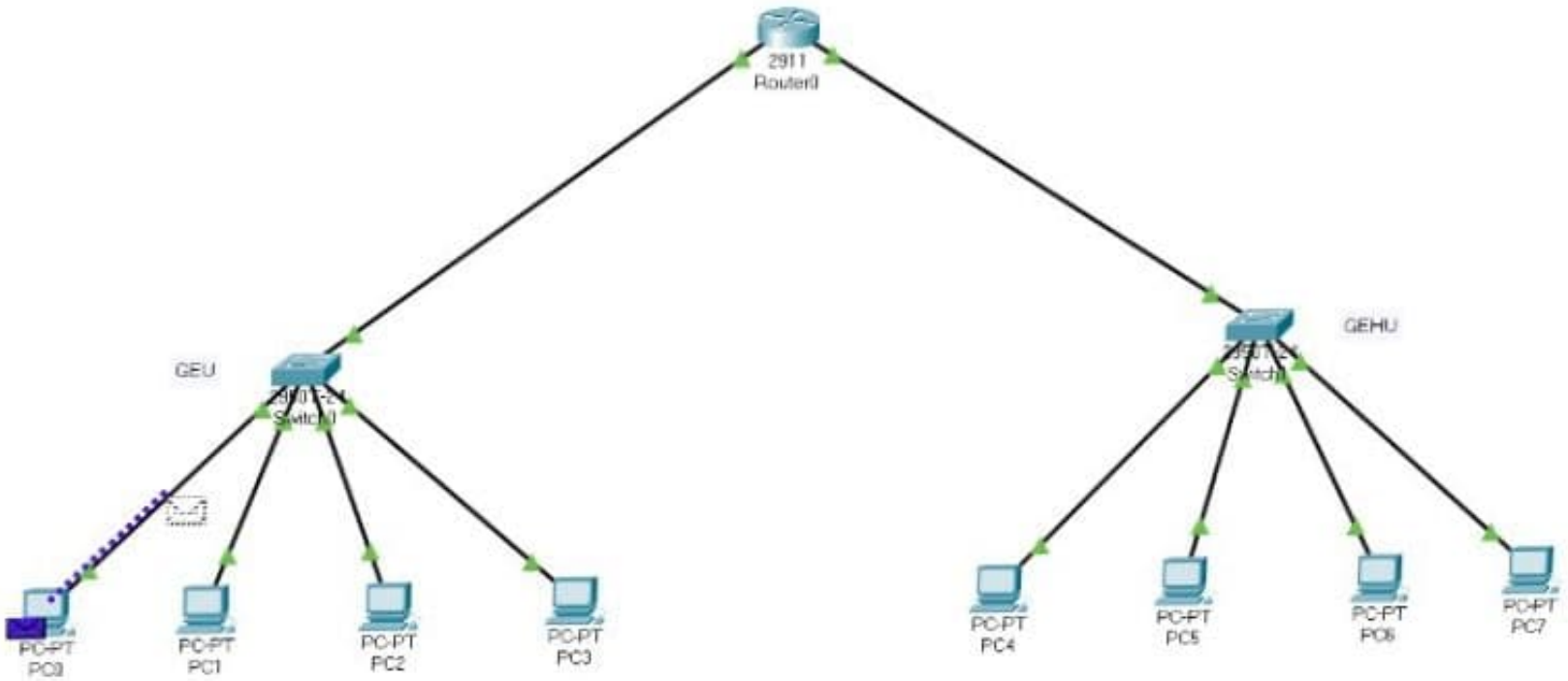
2). Steps for Network Creation :-

Step 1 :- Create LAN-1 with 4 PC and create LAN 2 with 4 PCs

Step 2 :- Connect both LAN with router and Configure the router.

Step 3 :- Default Gateway for LAN-1 is 10.0.0.5.
Default Gateway for LAN-2 is 192.168.1.5.

Step 4 :- Sending Pdu to see if connection is established


2911
Router0
GEU
GEHU
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
PC-PT
PC6
PC-PT
PC7

PC0

Physical | Config | Desktop | Programming | Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

- DHCP
- Static

IPv4 Address: 10.0.0.1

Subnet Mask: 255.0.0.0

Default Gateway: 10.0.0.5

DNS Server: 0.0.0.0

IPv6 Configuration

- Automatic
- Static

IPv6 Address: /

Link Local Address: FE80::2E0:A3FF:FE11:85AE

Default Gateway:

DNS Server:

802.1X

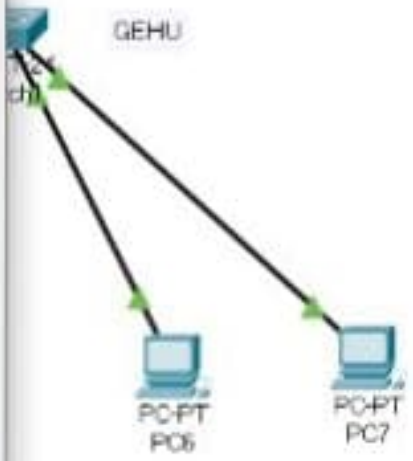
Use 802.1X Security

Authentication: MD5

Username:

Password:

Top

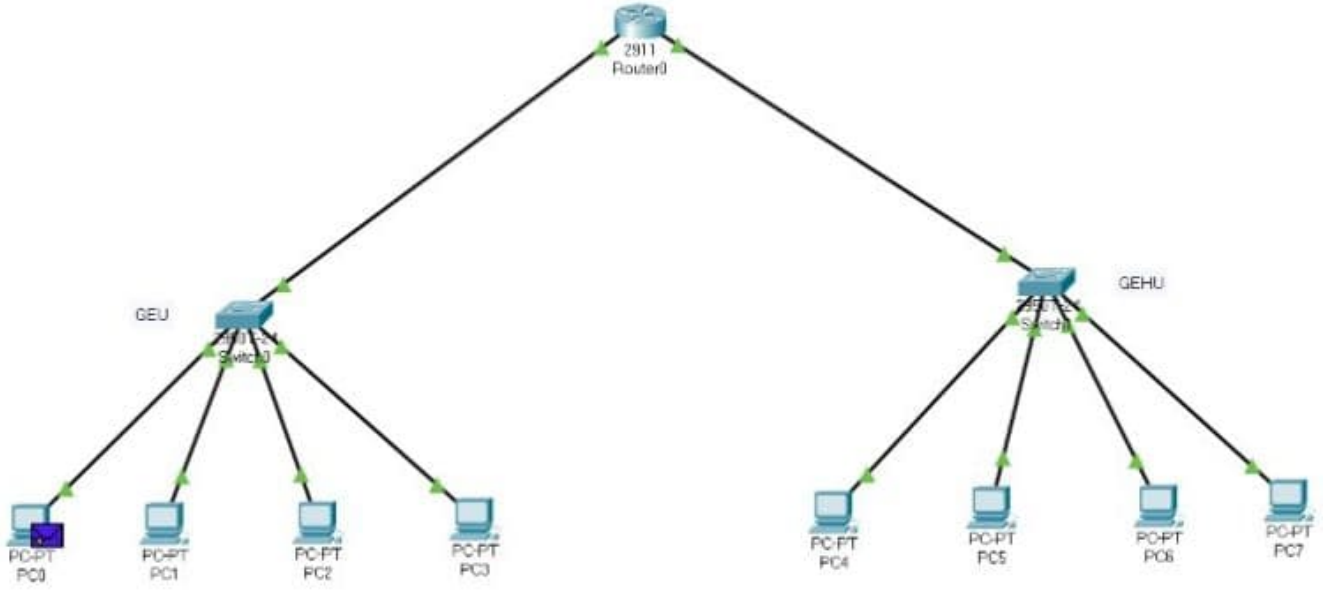


Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1553, y: 600

[Root] 10:23:00



Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	T
	0.000	–	PC0	
	0.001	PC0	Switch0	
	0.002	Switch0	Router0	
	0.003	Router0	Switch1	
	0.004	Switch1	PC5	
	0.005	PC5	Switch1	
	0.006	Switch1	Router0	
	0.007	Router0	Switch0	
	0.008	Switch0	PC0	
	0.381	–	Switch1	

Reset Simulation | Constant Delay | Captured to: 0.381 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters | Show All/None

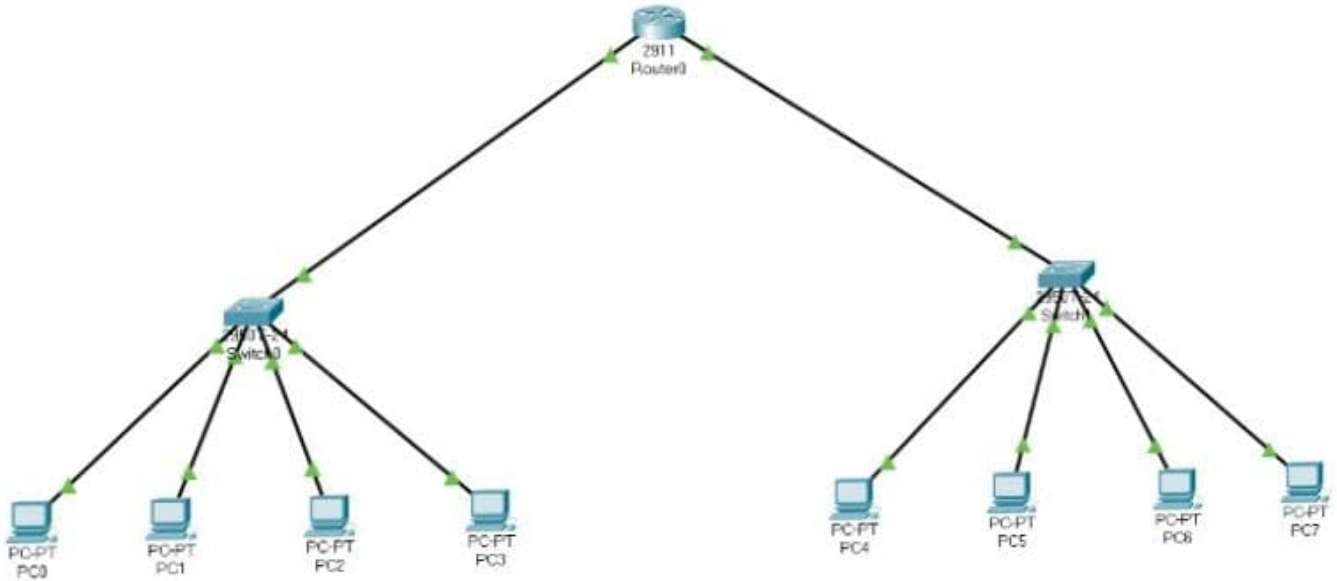
Time: 00:17:46.016 PLAY CONTROLS

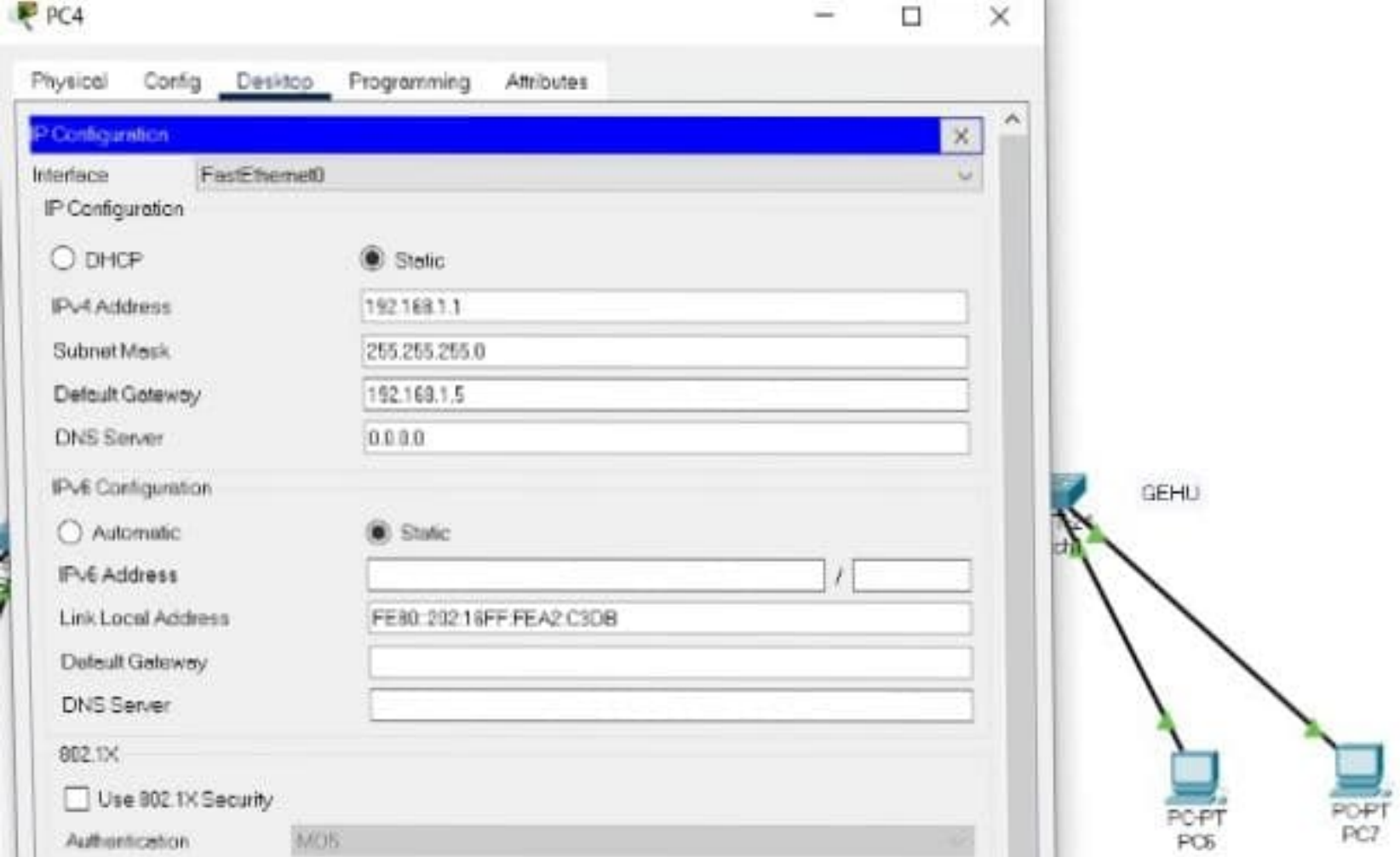
Event List | Realtime | Simulation

Scenario 0 | New | Delete | Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC5	ICMP		0.000	N	0	(edit)	(delete)

Copper Straight-Through


2911
Router0
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
PC-PT
PC6
PC-PT
PC7

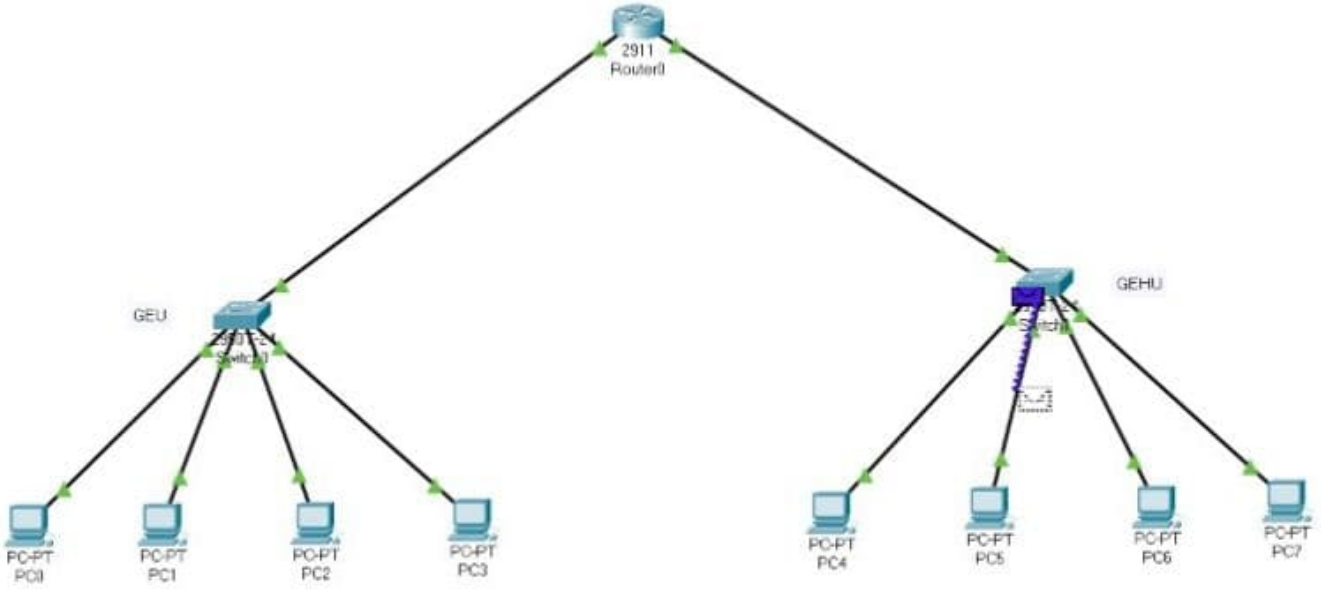

PC4
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.1.1
Subnet Mask
255.255.255.0
Default Gateway
192.168.1.5
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::202:16FF:FEA2:C3DB
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

GEHU
PC-PT
PC6
PC-PT
PC7

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1549, y: 371 [Root] 10:09:30



Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	T
	0.000	–	PC0	
	0.001	PC0	Switch0	
	0.002	Switch0	Router0	
	0.003	Router0	Switch1	
	0.004	Switch1	PC5	
	0.005	PC5	Switch1	
	0.006	Switch1	Router0	
	0.007	Router0	Switch0	
	0.008	Switch0	PC0	
	0.381	–	Switch1	

Reset Simulation | Constant Delay | Captured to: 0.381 s

Play Controls

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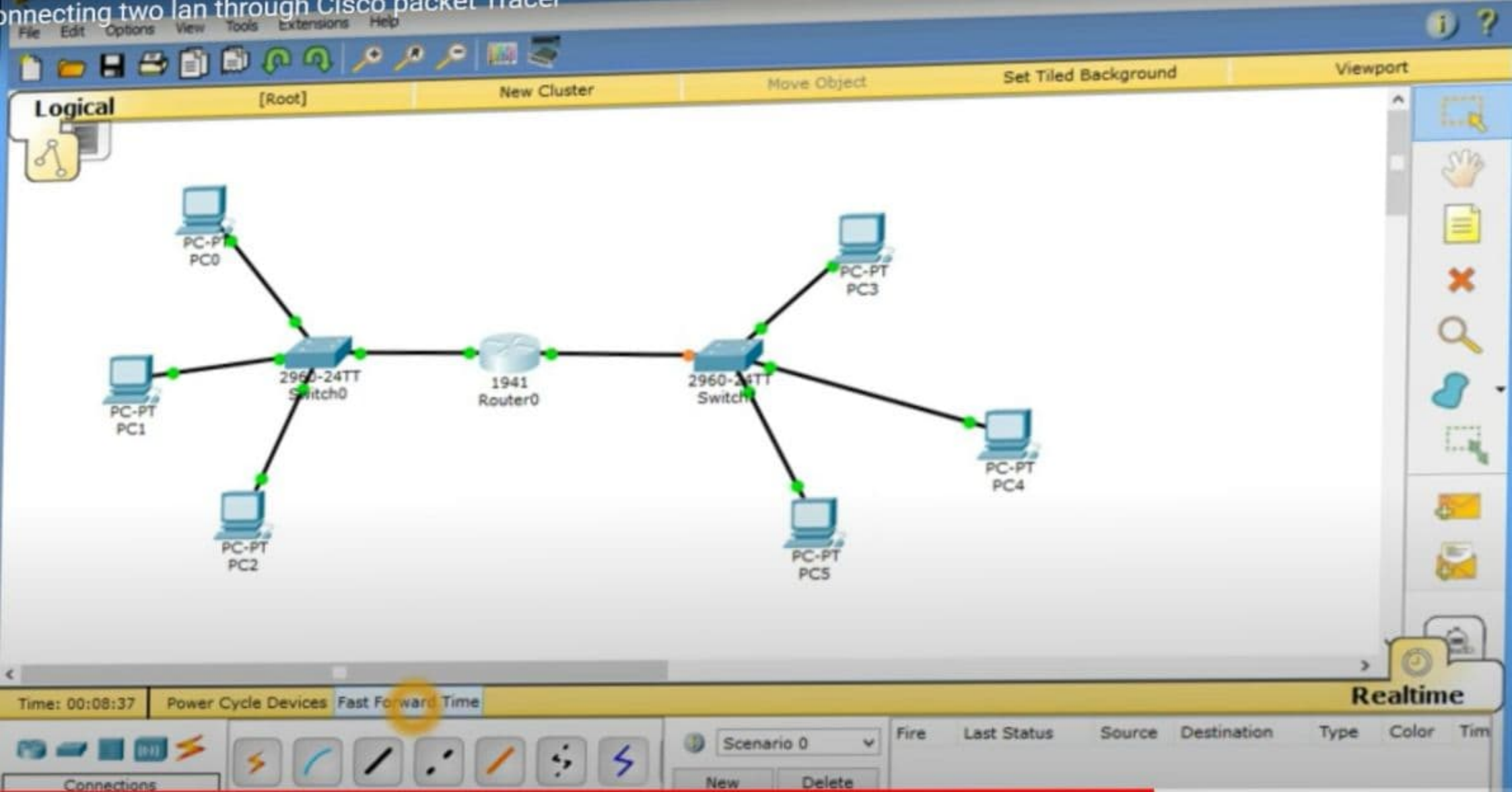
Edit Filters | Show All/None

Time: 00:17:46.016 PLAY CONTROLS: Event List | 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
	Successful	PC0	PC5	ICMP		0.000	N	0	(edit)	(delete)


onnecting two lan through Cisco packet Tracer
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
PC-PT PC0
PC-PT PC1
PC-PT PC2
2960-24TT Switch0
1941 Router0
2960-24TT Switch1
PC-PT PC3
PC-PT PC4
PC-PT PC5
Time: 00:08:37
Power Cycle Devices
Fast Forward Time
Realtime
Connections
Scenario 0
New
Delete
Fire
Last Status
Source
Destination
Type
Color