

Mid term Practical

22/06/21

PAGE No.	
DATE	

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Course - MCA2C

University Roll No - 2001177

Subject - Computer networks PM202

Ans 2

Steps for network :-

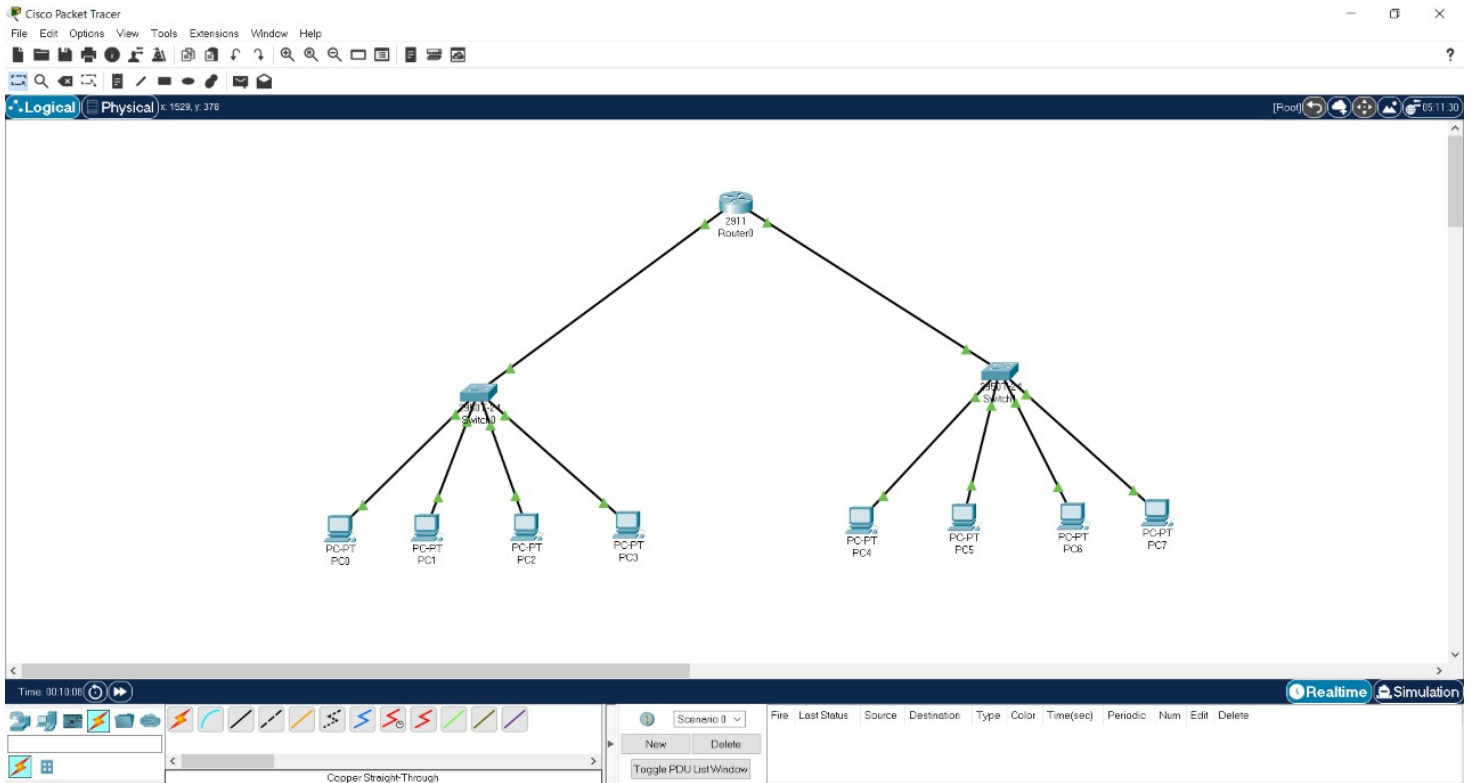
Step 1 - Create LAN-1 with GPC and create LAN-2 with GPCs

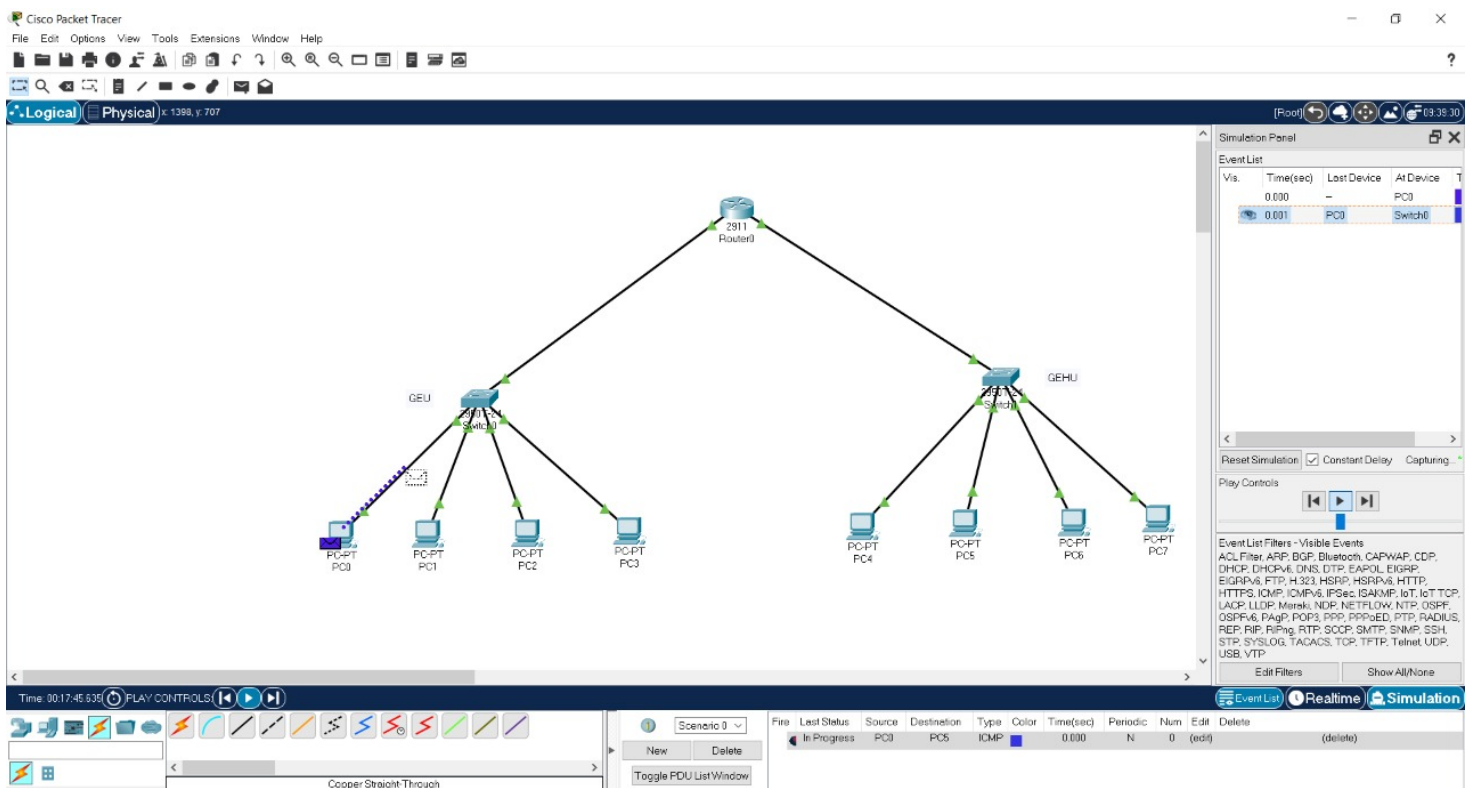
Step 2 - Connect both LAN with router and configure the router

Step 3 - Default Gateway for LAN-1 is 10.0.0.5

Default gateway for LAN-2: 5
192.168.1.5

Step 4 - Sending Pdu to see if connection is established





Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical

Physical

c: 1553, r: 600

2911 Router0

GEU Switch0

GEU Switch1

PC-PT PC0

PC-PT PC1

PC-PT PC2

PC-PT PC3

PC-PT PC4

PC-PT PC5

PC-PT PC6

PC-PT PC7

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	
	0.391	-	Switch1	

Reset Simulation Constant Delay Captured to 0.391 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, Mmrsk, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 00:17:46.018 PLAY CONTROLS

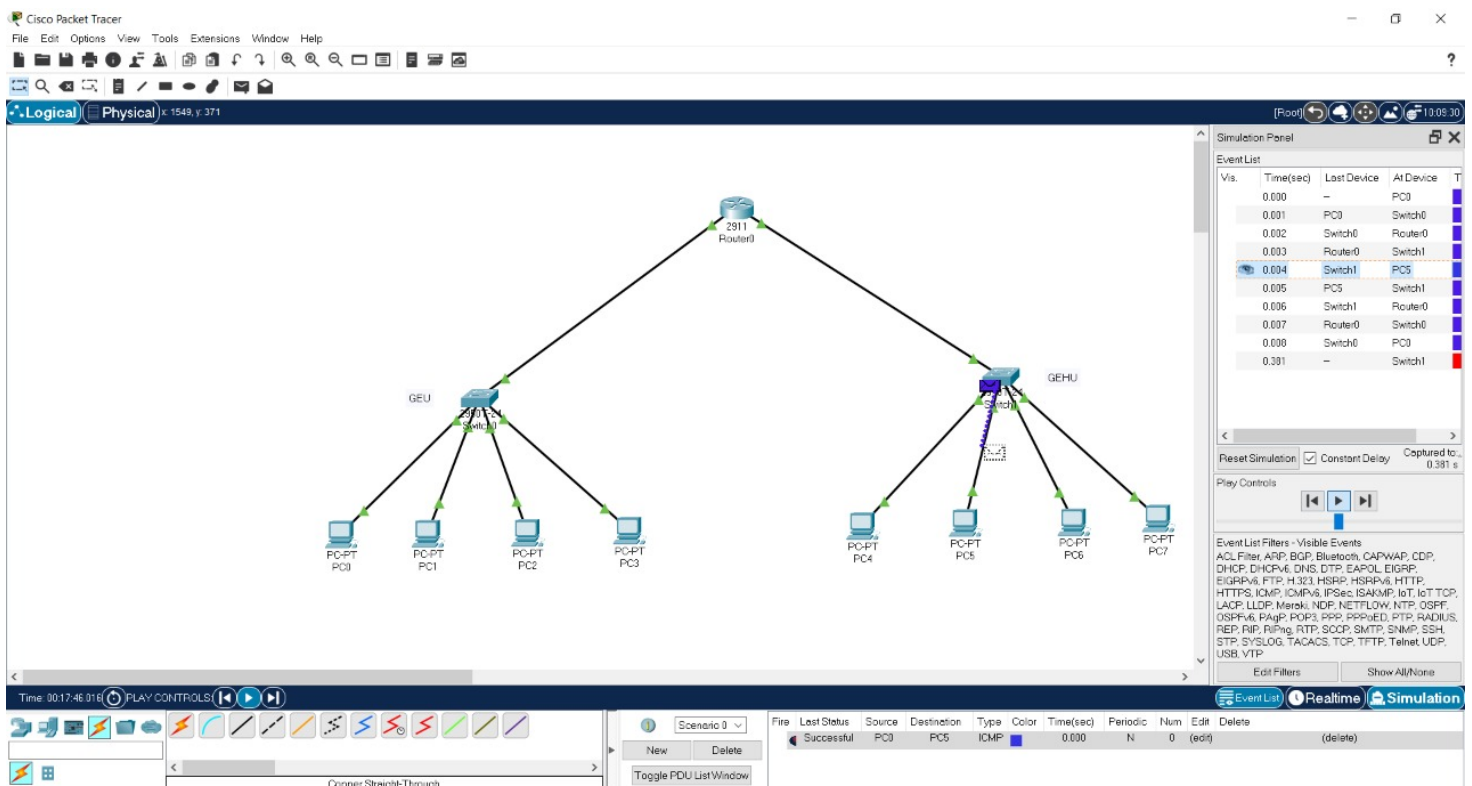
Scenario 0

New Delete

Toggle PDU List Window

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Successful PC0 PCS ICMP 0.000 N 0 (edit) (delete)



Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1560, y: 377

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::20218FF:FEA2:C3DB

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

☐ Top

GEU

PCPT PC0

PCPT PC1

GEU

PCPT PC6

PCPT PC7

Time: 00:17:45.635 PLAY CONTROLS

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Event List Realtime Simulation

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical 539 p. 494 [Floor] 13:06:30

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

GEU

PCPT PC0

PCPT PC1

GEU

PCPT PC6

PCPT PC7

Time: 00:17:35.635 PLAY CONTROLS

Scenario 0

New Delete

Toggle PDU List Window

Copper Straight-Through

Event List Realtime Simulation

Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help

Logical Physical

Event List

Vis.	Time(sec)	Last Device	At Dev
	0.002	HR	user 5
	0.003	user 5	HR
	0.004	HR	user 1
	1.466	HR	HR

Reset Simulation
☒ Constant Delay
Captured to: 1.466 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, Msnapi, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPv2, RIPv3, SCCP, SMTP, SNMP, SSH, STP, Syslog, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters
Show All/None

Time: 00:20:13.749
PLAY CONTROLS

Scenario 0
New
Delete

Toggle PDU List Window

Edit what types of events to show
List
Realtime
Simulation

File	Last Status	Source	Destination	Type	Color	Time(sec)	Period	Num	Edit	Delete
Successful	user 1	user 5	ICMP		0.000	N	0	(edit)	(delete)	

Type here to search
30°C Rain showers
9:57 AM 6/22/2021