

Recdⁿ

20712066

MCA 2B ITnd Sem
Computer network
TMC - 203Q2 ⇒Ans ⇒ Problem Statement ⇒ Design a network b/w the soc department of GEU & GEHU and show the communication b/w user number 1 of GEU & user number 2 of GEHU.Objective ⇒ To understand how to connect LAN 1 & LAN 2.Steps for network creations

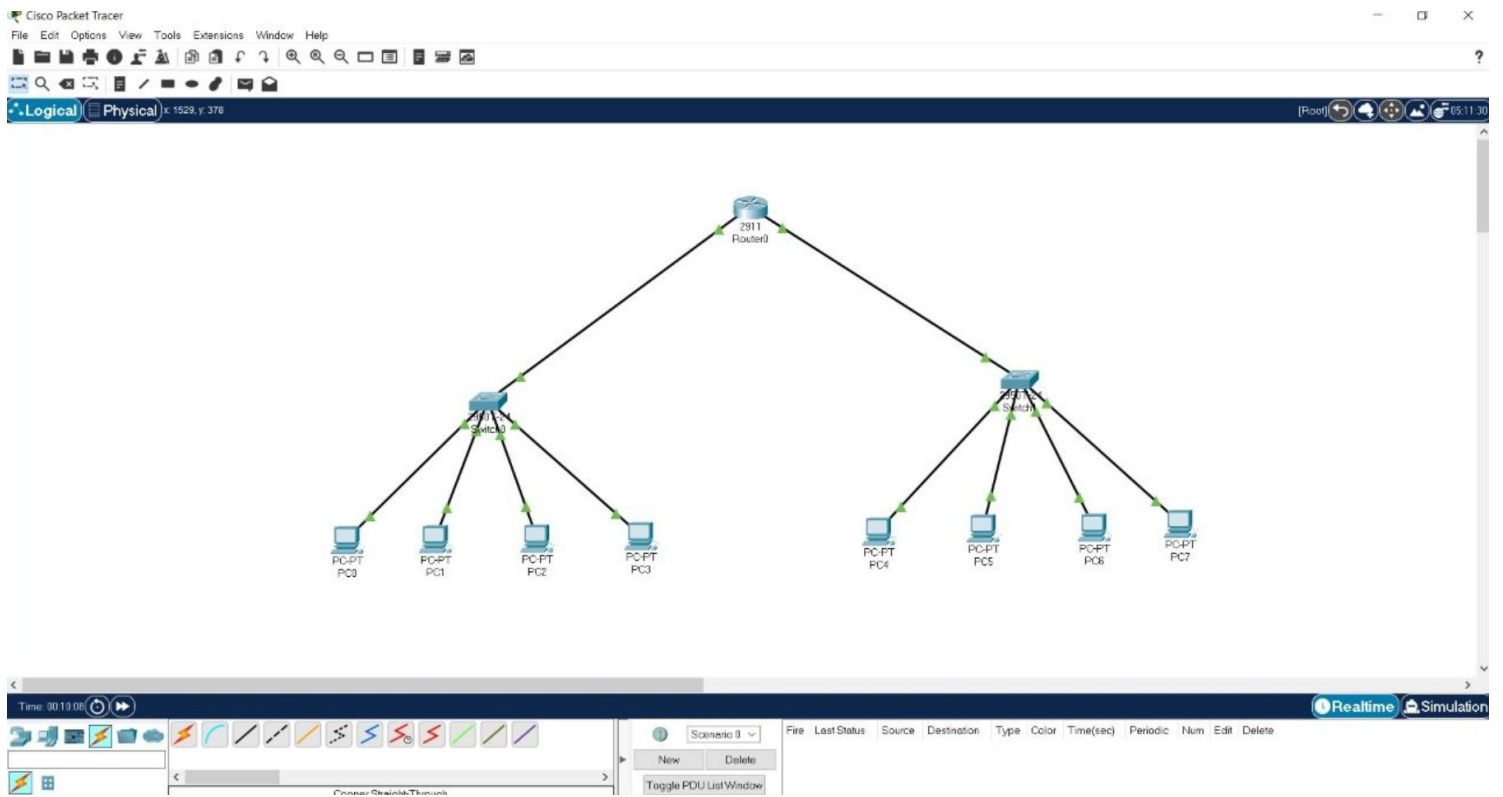
Step 1 - Create LAN-1 with 4 PC and create LAN-2 with 4 PCs.

Step 2 - Connect path to 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 connection is established



USCO Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 1553, y 900

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device
	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, MIB, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

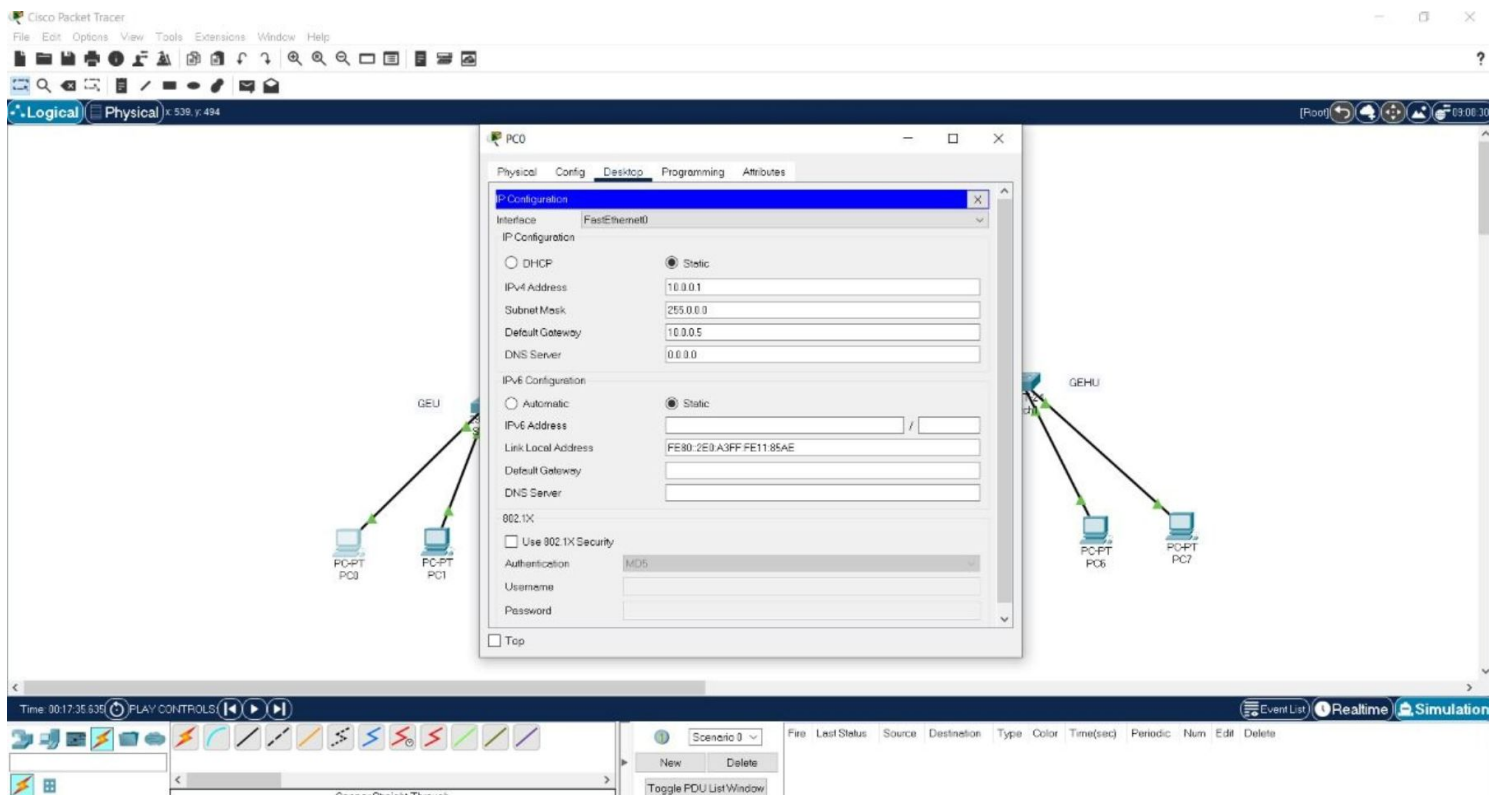
Time: 00:17:46.016 PLAY CONTROLS

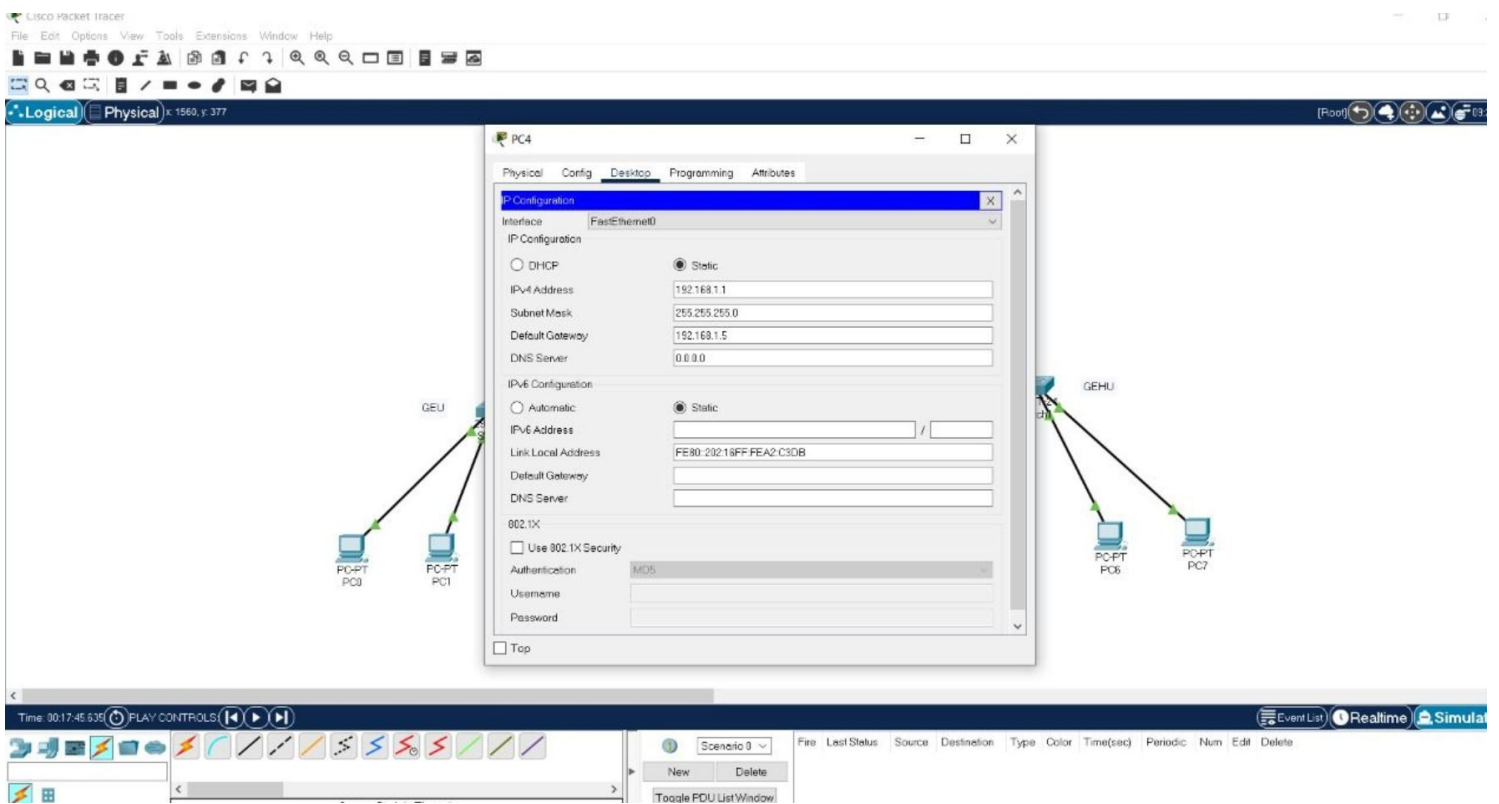
Scenario 0

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)







Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x 1549, y 371

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	Alt Device
	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
	0.009	-	Switch1

Reset Simulation ☒ Constant Delay Captured: 0.38

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv4, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TC, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, POP3, POP3v6, PTP, RADIUS, REP, RFP, RFPv6, RTP, SCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All/None

Time: 00:17:46.016 PLAY CONTROLS

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)