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Question - 01 :- There is a organisation A with multiple departments.
Design a network for the HR department and the size of the department is 10 users. Also show the communication between user 1 and user number 5.

Step. 1 :- We will place nodes first.

Organisation A, HR, Department, and user to UserID

2 :- Add routers & switch to connect them with cable

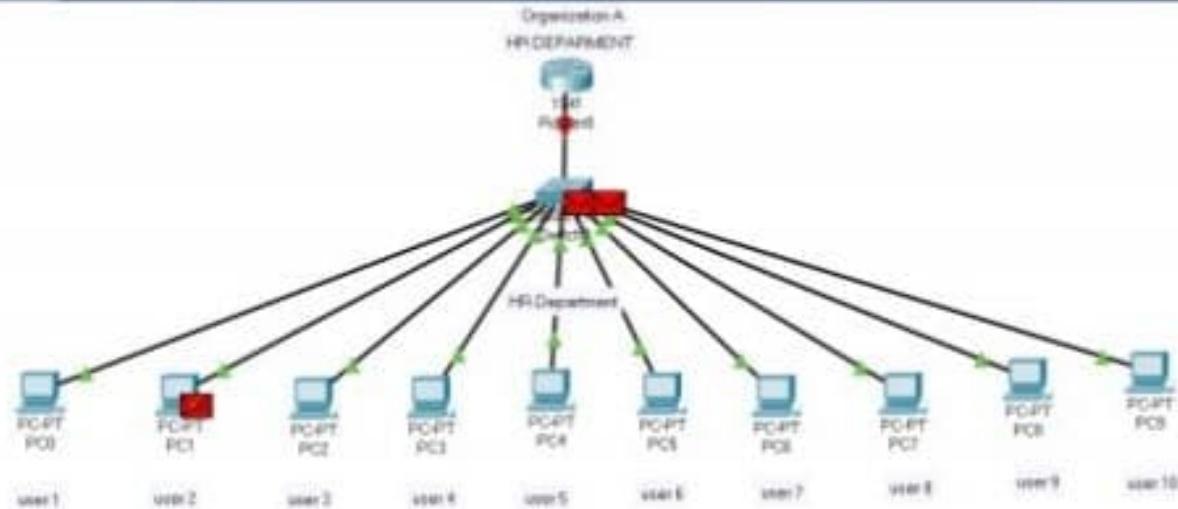
3) Add 10 machine named PC 0 to PC 10 and connect all machine to switch.

4) Assign IP address to every machine

5) we had assigned

PC - 0 - 192.168.1.1

PC - 4 192.168.1.5



Simulation Panel

Event List

Time(sec)	Src Device	Dst Device	Type
1.000	Switch0	PC1	STP
1.000	Switch0	PC4	STP
1.000	Switch0	PC3	STP
1.000	Switch0	PC2	STP
1.000	Switch0	PC3	STP
1.000	Switch0	PC5	STP
1.000	Switch0	PC8	STP
1.000	Switch0	PC7	STP
1.000	Switch0	PC5	STP
1.000	Switch0	PC8	STP
2.000	-	Switch0	OTF
2.000	Switch0	PC1	OTF
2.000	-	Switch0	OTF
2.000	-	Switch0	OTF
2.000	Switch0	PC1	OTF
2.000	-	Switch0	OTF

Reset Simulation ☒ Constant Delay Captured to: 2.000 s

Play Controls

Event List Filter - 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, iSCSI, iSCSIv6, LACP, LLDP, NTP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RPP, RPPv6, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TFTP, Telnet, UDP, USB, VTP

Event List Filter ☐ Show All Filter

Question - 02

There are two organisations in a city named GEU and GEHU design a network b/w the SOC department GEU, GEHU. Also show the communication b/w user number 1 of GEU & user number 2 of GEHU

→ step - 1 Create two organisations

step 2 → create their department using routers
2 routers & 2 switches

step - 3 :- Connect both with serial-DTE wire

step - 4 :- Connect switch & router with normal wire

step - 5 :- Add 2 systems in each organisation named user no 1 & user no - 2.

- 6 :- Assign IP addresses

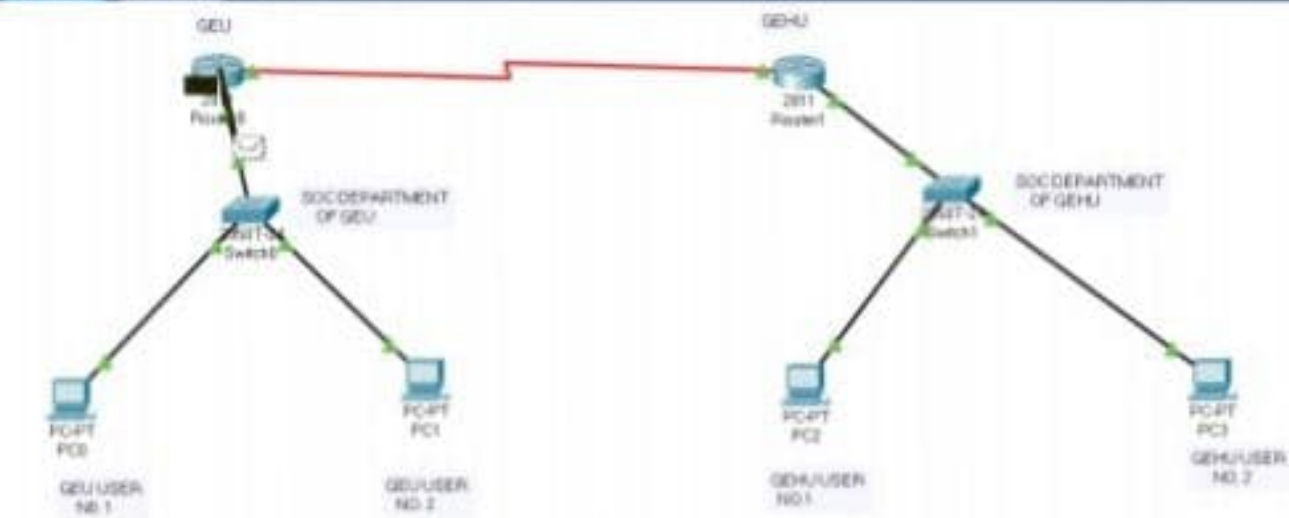
7 IP GEU user 1 : 192.168.10.2

IP of GEHU user 2: 192.168.20.3

Query

Now again there are 2 ways to verify communication

b/w two users.



Simulation Panel

Event List

Vis	Time(sec)	Last Device	At Device
0.000	Switch0	PC3	
0.000	Switch0	Router0	
0.000	Router0	Switch0	
0.000	PC3	Switch1	
0.004	Router0	Router1	
0.004	Switch0	PC3	
0.004	Switch1	Router1	
0.005	Router1	Switch1	
0.006	Switch1	PC3	
0.007	PC3	Switch1	
0.008	Switch1	Router1	
0.009	Router1	Router0	
0.010	Router0	Switch0	
0.011	Router0	PC3	

Reset Simulation ☒ Contain Delay Captured To: 100.000 s

Play Controls

Event List Filters - Visible Events

ACLFilter, ARP, BGP, BSM, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EXRP, EXRPv6, FTP, H323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IRT, IRT TOP, LACP, LLDP, MVRP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoE, PTP, RADIUS, RDP, RFP, RFPv6, RTP, SOAP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TFTP, Telnet, UDP, USB, VTP

Edit Filters Show All Filters