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School of computer application

CA third
of
Data Communication & Networking- LAB (CAP-276)

Session 2022-2024

Submitted to:

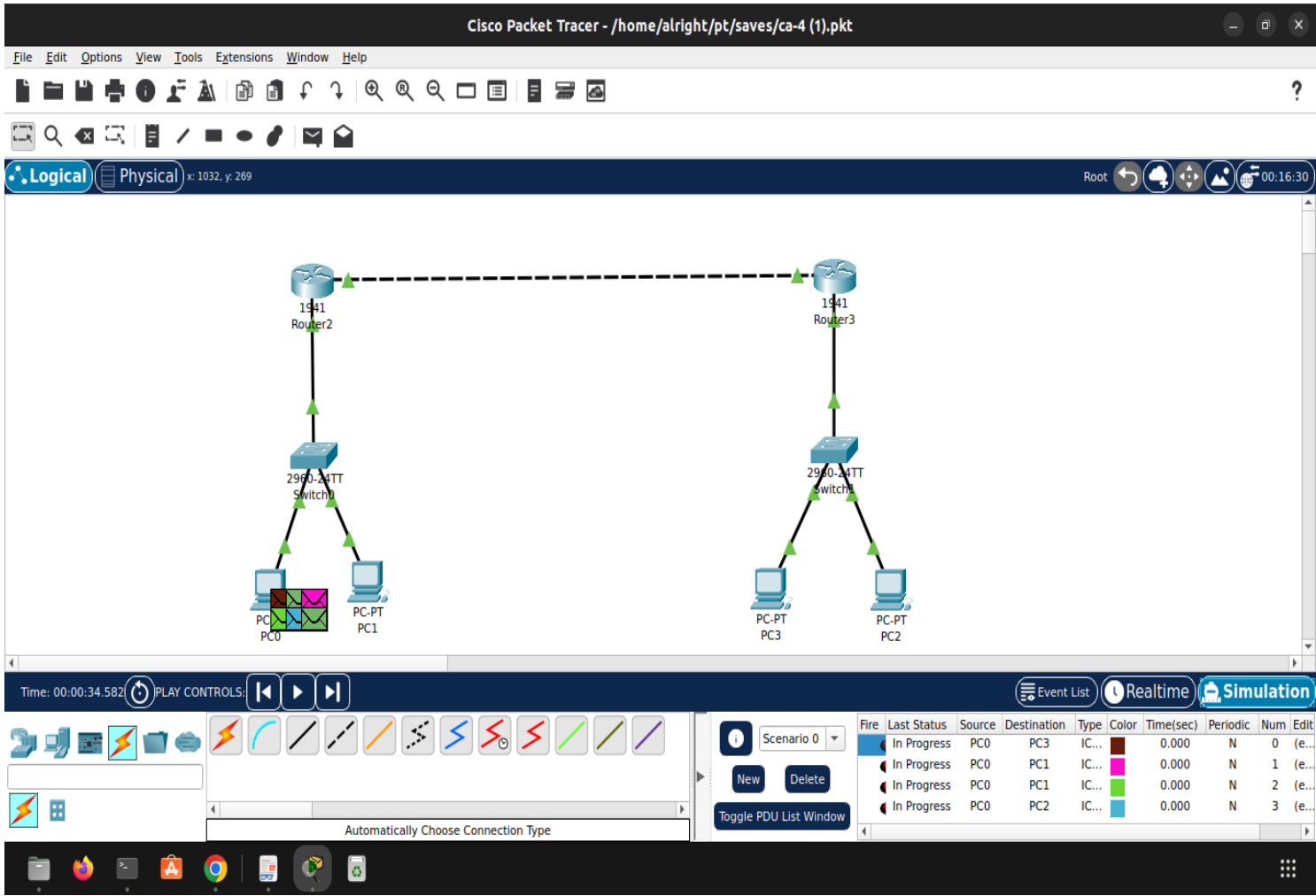
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Que-1 Demonstrate the concept of subnetting using FLSM?



Que-2 Demonstrate the concept of HTTP and DNS?

Cisco Packet Tracer - /home/alright/pt/saves/ca-4 (2).pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 1019, y: 299

Root 00:17:00

PC-PT PC0

PC-PT PC1

2960 Switch0

Server-PT Server0

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--
	0.000	--
	0.000	--
	0.001	PC1
	0.001	PC0

Reset Simulation ☒ Constant Delay Captured to: 0.001 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPIWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, IoT, IoT TCP, LACP, LLDP, 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

Event List Realtime Simulation

Time: 00:00:36.594 PLAY CONTROLS: [Back] [Pause] [Forward]

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit
	In Progress	PC1	PC0	IC...	Green	0.000	N	0	(e...
	In Progress	PC0	PC1	IC...	Green	0.000	N	1	(e...
	In Progress	PC0	PC1	IC...	Purple	0.000	N	2	(e...

Automatically Choose Connection Type

Que-3 Demonstrate the concept of DHCP and also demonstrate that how to assign the IP address automatically in a network using DHCP?

Cisco Packet Tracer - /home/alright/pt/saves/ca -4 (3).pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x: 940, y: 396

Root 00:13:30

PC-PT PC0
PC-PT PC1
PC-PT PC2
2960 Switch0
Server-PT Server0

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.001	PC0
	0.001	PC2
	0.001	--
	0.002	PC0
	0.966	--

Reset Simulation ☒ Constant Delay Capturing...

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, 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

Event List Realtime Simulation

Scenario 0

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	E
	In Progress	PC0	PC2	IC...		0.000	N	0	
	In Progress	PC0	PC2	IC...		0.000	N	1	
	In Progress	PC2	PC1	IC...		0.000	N	2	
	In Progress	PC2	PC1	IC...		0.000	N	3	

Automatically Choose Connection Type