

Academic year: 2023-2024

Semester: Fall

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Branch/ Class: B.Tech

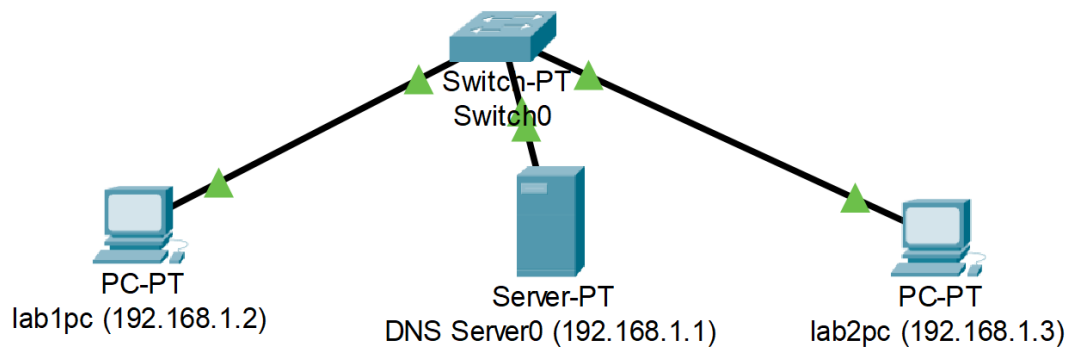
Date:

School: SCOPE

Reg. no.: 22BCE7224

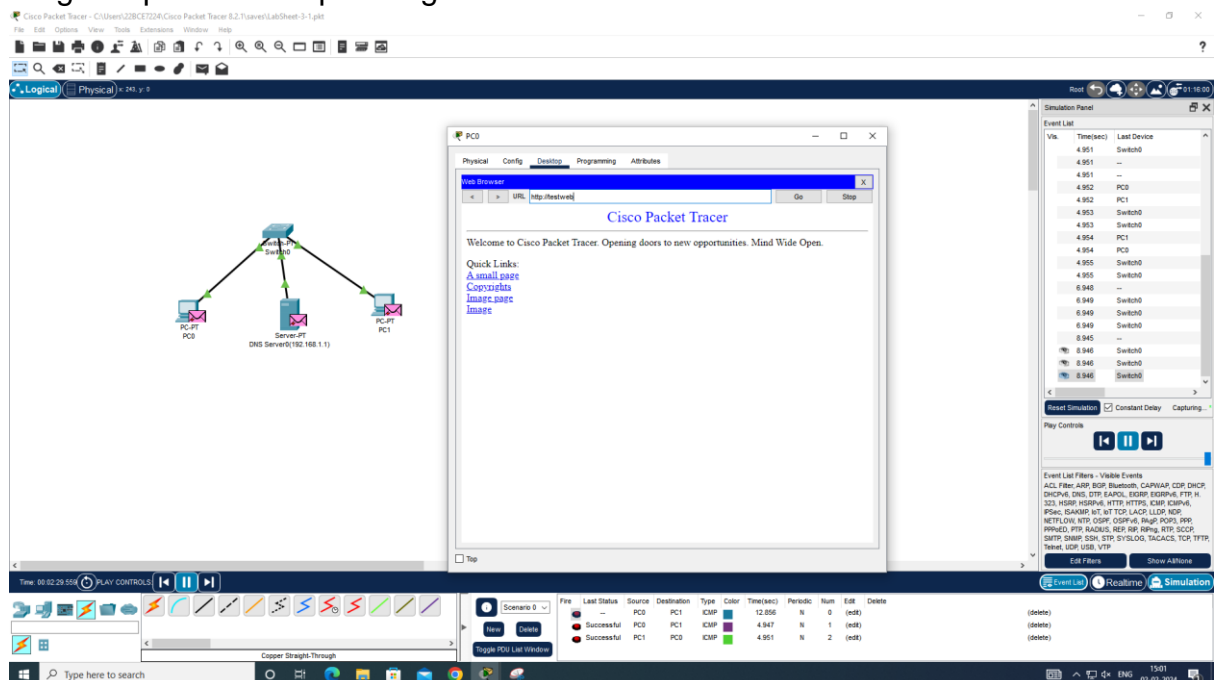
LAB 3

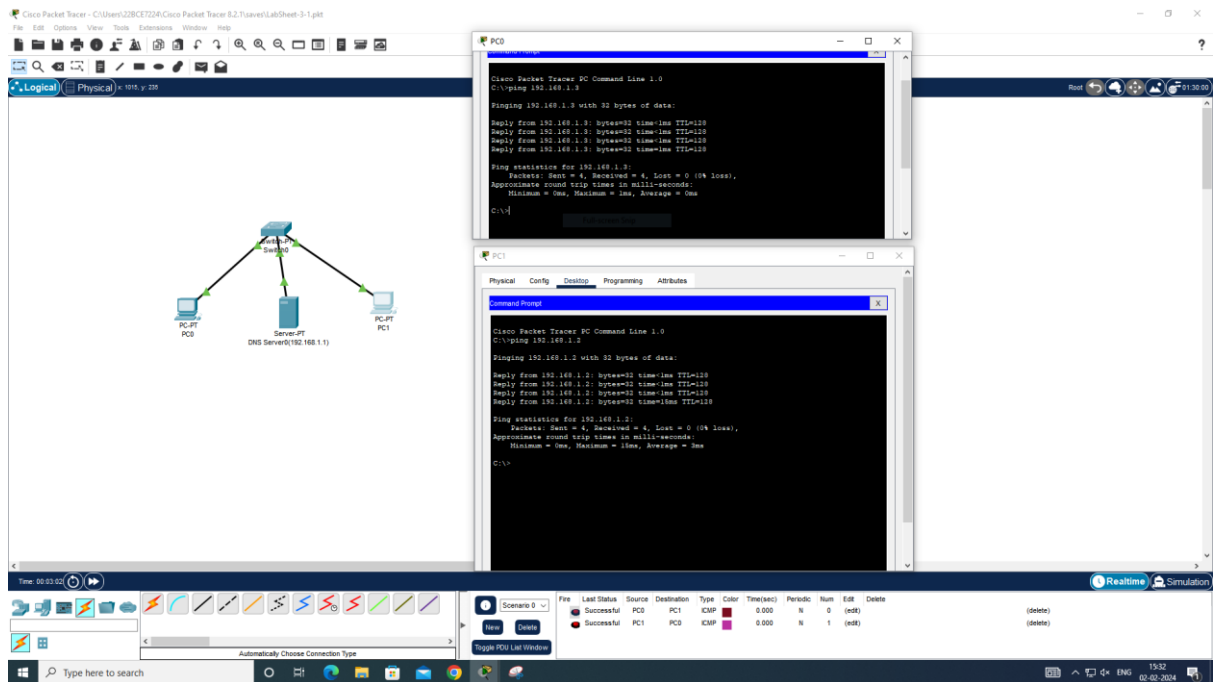
1. Design a network as given below and configure DNS Server.



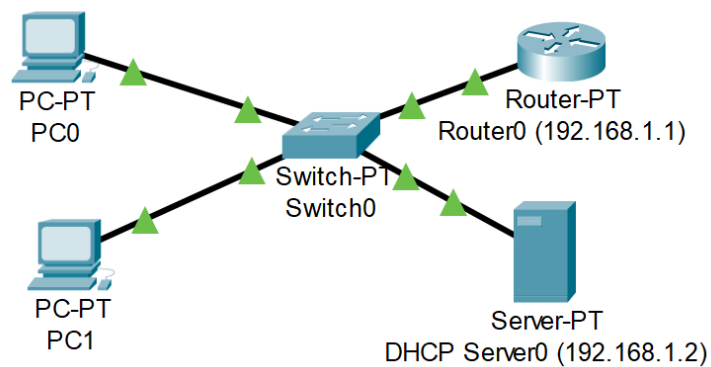
Objective:

- Verify a website access stored in DNS Server from lab1pc and lab2pc.
- Ping lab1pc from lab2pc using name.
- Ping lab2pc from lab1pc using name.



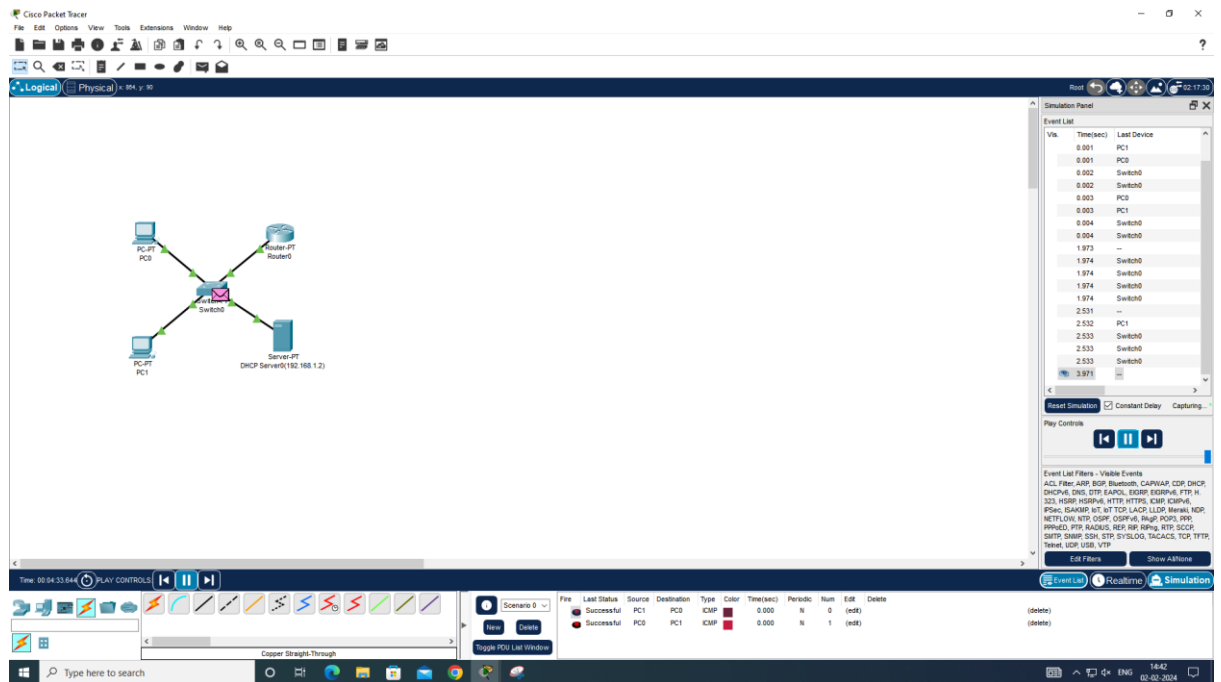


2. Design a network as given below and configure DHCP Server.

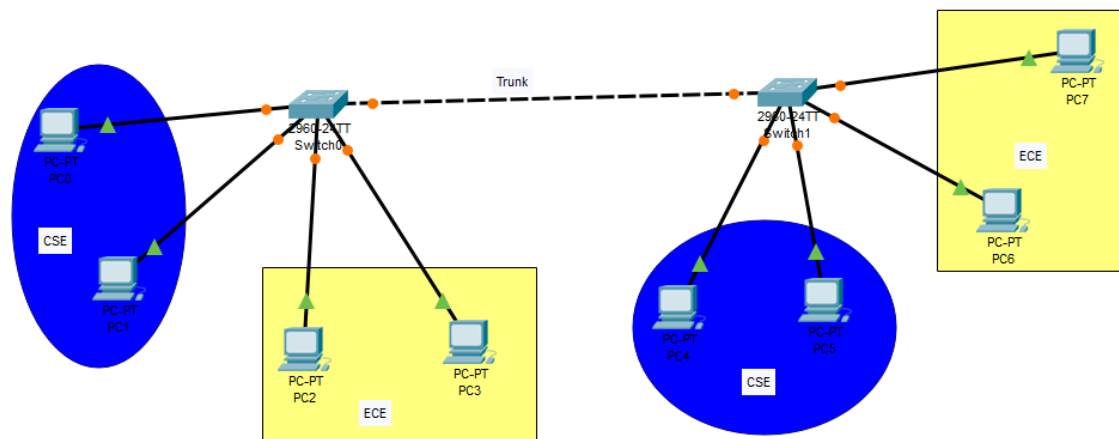


Objective:

- Assign IP for pc0 and pc1 through DHCP server.
- Check packet communication from pc0 to pc1 and vice versa.



3. Create and Simulate Virtual LAN as below



Addressing Table:

Device	Interface	IP Address	Subnet Mask	VLAN
PC1	NIC	172.17.10.21	255.255.255.0	10
PC2	NIC	172.17.10.22	255.255.255.0	10
PC3	NIC	172.17.20.23	255.255.255.0	20
PC4	NIC	172.17.20.24	255.255.255.0	20
PC5	NIC	172.17.10.25	255.255.255.0	10
PC6	NIC	172.17.10.26	255.255.255.0	10
PC7	NIC	172.17.20.27	255.255.255.0	20
PC8	INC	172.17.20.28	255.255.255.0	20

Objectives:

1. Verify the default VLAN configuration

2. Configure the VLANs
3. Assign VLANs to ports.

