

Exp No: 8a

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a) Virtual LAN

Aim:

Simulate Virtual configuration using Cisco packet tracer simulation.

Procedure:

- 1) Create n/w using 1 switch & 4 PC's as shown
- 2) Check n/w by sending packets (optional)
- 3) Assign IP address to the PC's

PC0 - 10.0.0.1

PC1 - 10.0.0.2

PC2 - 10.0.0.3

PC3 - 10.0.0.4

- 4) Right click on switch & then on CLI run following command.

conf t

vlan 2

name office

exit

vlan 3

name home

exit

interface fastEthernet

switchport access vlan 2

exit

interface fastEthernet 0/1

switchport access vlan 2

exit

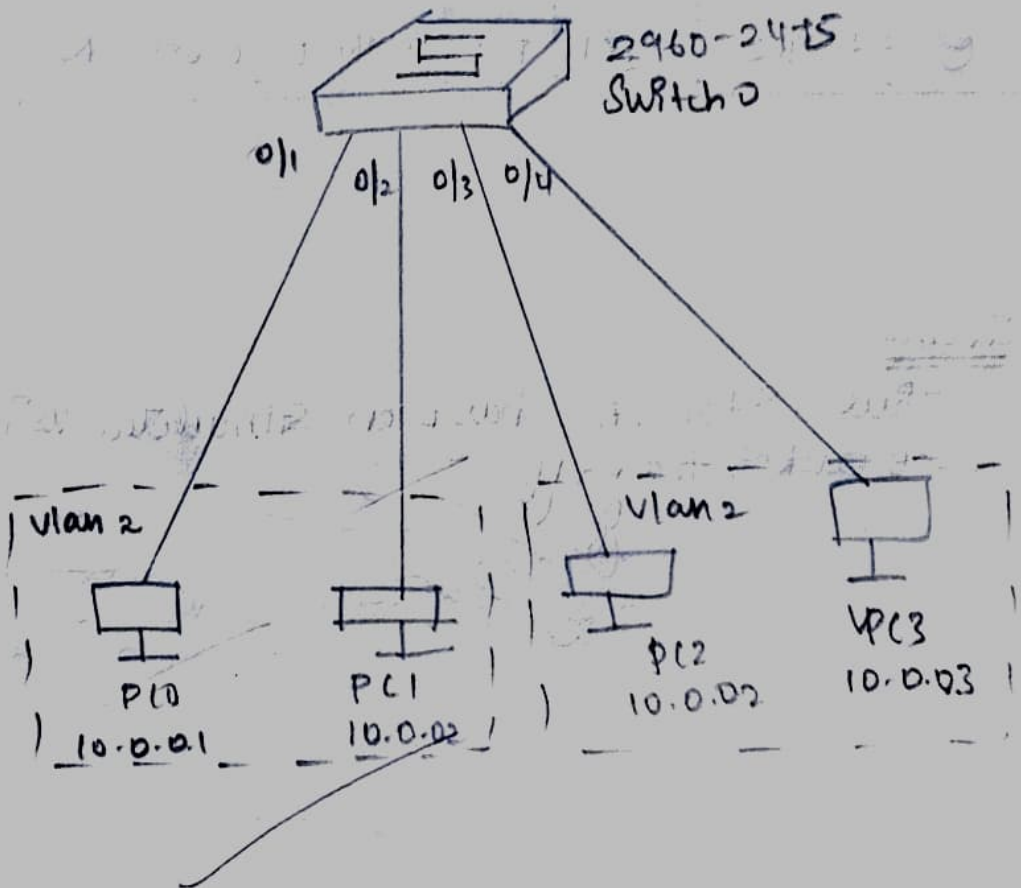
```

# interface fastEthernet 0/2
# switchport access vlan 2
# exit
# interface fastEthernet 0/3
# switchport access vlan 3
# exit

```

5) Now try pinging packet from PCs to one another.

Diagrammatic representation.



Observation

When packet transferred from PC0 to PC1 the packets are successfully transferred.

Similarly PCs within same VLAN packets are transferred successfully.

o/p

Are	Last Status	Source	Dest	Type	Color	Time	Periodic	Num
	Successful	PC0	PC1	ICMP	□	0.000	N	0
	Failed	PC1	PC2	ICMP	□	0.655	N	1

Result:

Thus Virtual LAN has been stimulated using Cisco packet tracer

