

DATE: 10-09-24

AIM:

Simulate virtual configuration using Cisco Packet Tracer simulation

PROCEDURE:

- i) Create the network using 1 switch & 4 PC's as shown in figure.
- ii) Check the network by sending packets.
- iii) 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
- iv) Right-click on switch & then on CLI run the following command
 - > enable
 - # conf t
 - # vlan 2
 - # name office
 - # exit
 - # vlan 3
 - # name home
 - # exit
 - # interface fast Ethernet 0/1

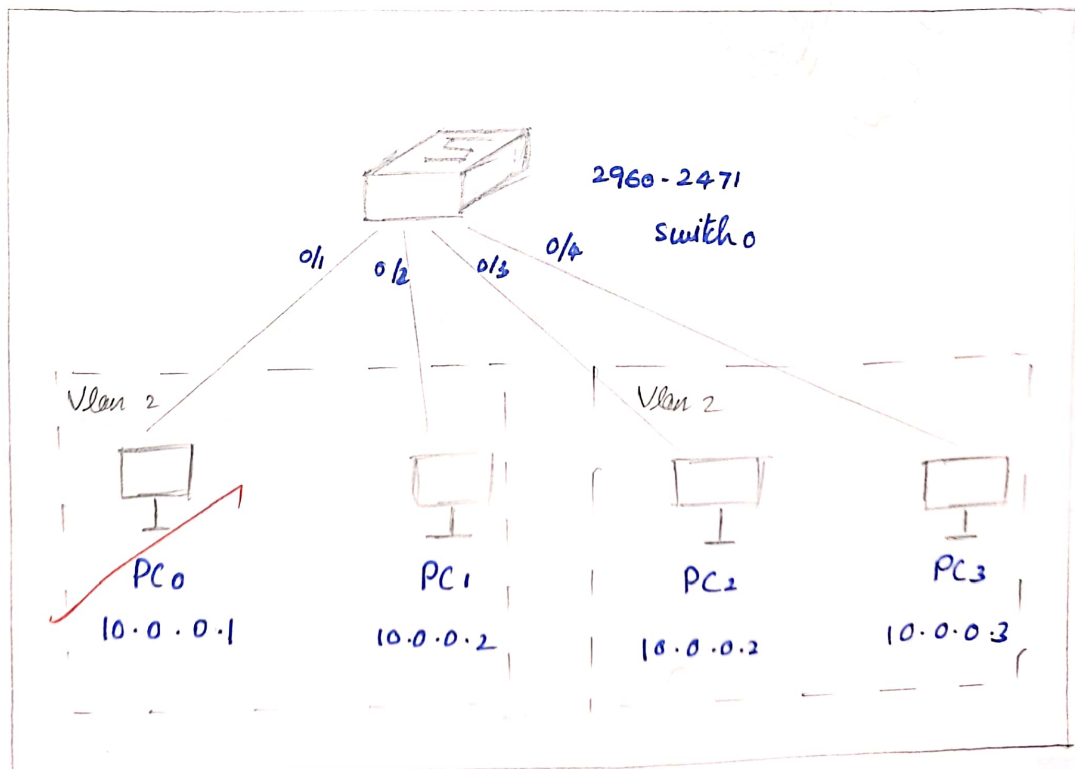
```

# Switchport access vlan 2
# exit
# interface fast Ethernet 0/2
# switchport access vlan 2
# exit
# interface fast Ethernet 0/3
# switchport access vlan 3
# exit
# interface fast Ethernet 0/4
# switchport access vlan 3
# exit

```

v) Now try pinging packet from PC's to one another





Diagrammatic Representation:



OBSERVATION:

When packet transferred from PC0 to PC5 the packets are successfully transferred.

OUTPUT:

Fire	Last Status	Source	Destination	Type	Color	Time	Periodic	Num
	Successful	PC0	PC9	ICMP		0.000	N	0
	Failed	PC1	PC2	ICMP		0.635	N	1

RESULT:

Thus the virtual LAN has been stimulated using Cisco Packet Tracer.

