

Practical - 89

a) Virtual LAN

Aim:

Simulate virtual configuration using Cisco packet tracer simulation.

Procedure:

1) Create the network using 1 switch & 4 PC's as shown in figure.

2) 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

3) Check the network by sending packets

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

enable

# conf t

# vlan 2

# name office

# exit

# vlan 3

# name home

# exit

# interface fastEthernet 0/1

# switch port access vlan 2

# exit

# interface fastEthernet 0/2

# switchport access vlan 2

# exit

# interface fastEthernet 0/3

# switchport access vlan 3

# exit

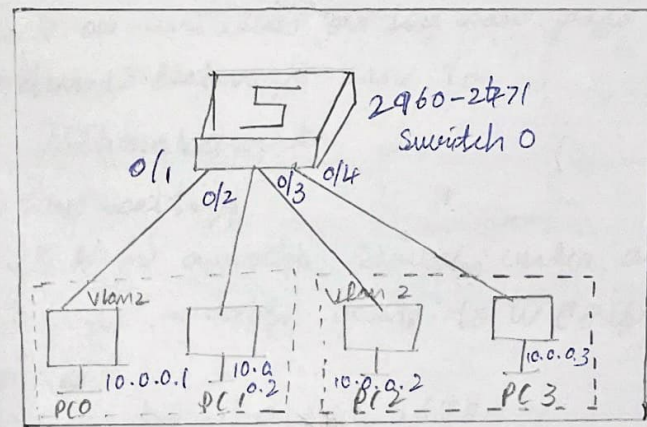
# interface fastEthernet 0/4

# switchport access vlan 3

# exit

5) Now try pinging packet from PC's to one or another.

Diagrammatic Representation.



Observation:

When packet transferred from PC0 to PC1 the packets are successfully transferred. Similarly for PC's within same ~~vlan~~ packets are transferred successfully.

Where as for PC's can't transfer packets out

of its VLAN

O/P:

Fire	Host status	Source	Destination	Type	Colour	Time	Admin
🕒	Successful	PC0	PC1	ICMP	🟩	0.000	N
🕒	Failed	PC1	PC2	ICMP	🟩	0.655	N

*[Signature]*

Result:

Thus the virtual CAM has been stimulated using Cisco packet traces.