Practical - 8a Exp. No: 8a Virtual LAN date: 18/10/24 AIM: Simulate Vixtual Configuration using Cisco Packet Tracer Simulation. Winner a sinor but age to l'accedure: statem, many to better & burn 1) Create the network using I switch a 4Pcs q shown as is figure. 2) Assign IP address to the PCs PC0 \_ 10.0.0.1 PC1 - 10.0.0.2 PC2 - 10.0.0.8 PC3 - 10.0.0.4 3) Check the network by rending packets loptional 4) Right-click on switch a then on CIJ was the following Command . Latasques ... a mort is said Tenable. i calver biltes 1x1: # conf ! # Vlan 2 # name Office # exit # Vlan & # name Office # exit # Interface fact Ethernet of

# exit

# Switchport access Vlan 2,

# Interface faste thermet 0/2

# switchport access vlan 2

# loterface fastethernet 0/3

# Switchport access vlan 3

# exit

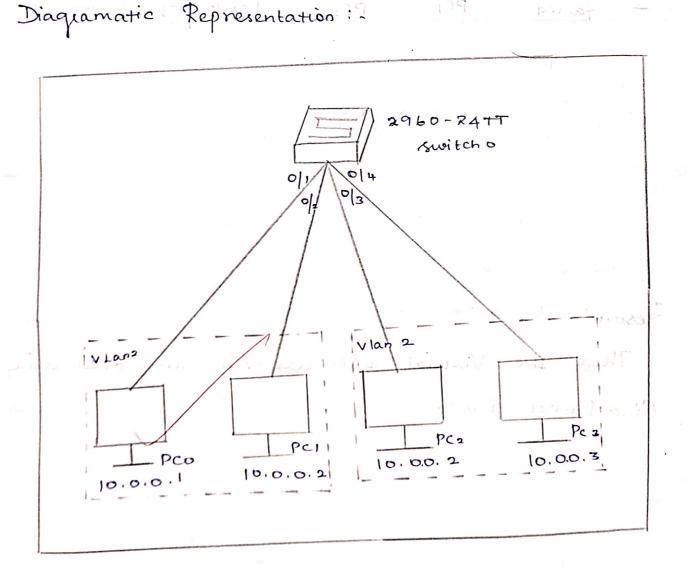
# Interface fast Ethernet 0/4

# switchport access vlan 3

# exit.

5) Now Eny pinging packet from PCs to one's

another.



## Observation:

When Packet transferred from PCO to pc) ther packets are successfully transferred. Similarly for PCs within same vlan packets bu transfeed successfully.

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whereas for PCs can't transfer packets our of its Vlan. is astronomic supplies a

## Output:

1	ire	lautstatus	Source	destination	type	colour	time	My
		succenful	PCo	PCI	ICMP		0.000	0
		failed	PCI	PCz	ICMP	中口っ	0.688	ſ

Resurt:

Thus the Vietual LAN has been stimulated us Cisco Packet tracer.

Exp. No: 8h date: 8 10 24 Praftical - 81 Wireless LAN

Aim:

To Configure voireless LAN vising Gisco Packet trace

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the County

opt. Arm J. D

Procedure:

- 1) Create network 3Pcs + a moireless Routes.
- 2) Rightclick on the wireless souter Note the 1P address. It would be 192.168.0.1
- 4 Disable the DHCP server.
  - 4 Save Settings.
- J) Click on wireless on the same page

  Lichange Network name to

  "MYHOME Network"

4 Save serings

Lick on wireless security wireless a change security mode to WEP from disabled

company and the second of the

4 Add key 1: 01234 56789

4 Save settings.

Litter dose the window.

4) Now assign IP to the PCS

Pco = 192.168.05

4 gareway -192.168.0.1

PC1 = 192,168.0.6

gateway - 192. 168.0.1

PC2 - 190, 168.0.7

gateway -192.168.0.1

b) Now click on PCo

4) click physical option

4 Tues off that \_\_\_\_\_O

4) deag the post in the diagram to the left men

Is deag the 'WMP300N' to the poet form the left.

4 Tuen on that.

Ly Now click on desktop -> Pc wireless

is click connect - site information - wonnect

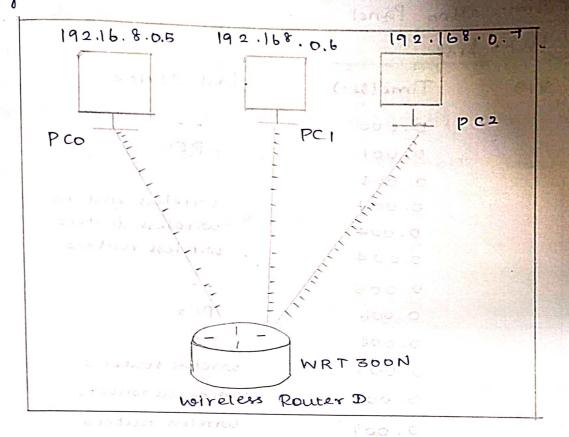
Li Type '01234567891 in the WEP key!

4 Connect

6. Repeat step 5 for the PCI ePC2

Then You can see the below connection in

Diagramatic Representation:



Output

Thus the packets could be transmitted via wireless conter .

fire	l'ast status	Bource	destination	type	color	time	period	Num
0	successful	Pco	PC 2	ICMP		0.ಯಾ	2	6
	Euccenful	PCI	PCO	ICMP	4.50	0.566	1777	13 Of-

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Simulatio	n Panel			
Event List		13. 39.		
VIS	Time (Sec)		Last device	manufacture and the state of
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	0.003			-
	0.004		voireless coutero	>
	0.004		wireless soutero	
19 -	0.004		wireless routero	Maria & Grand
	0.005		<b>~</b> •	de d'appoint
	0.006		PC2	
	0.008	k	~ -	
1 4 1	0.007	1 111	wireless router o	
	0.009	u jos .	wireless routero	
1 1	0.009		wireless router o	
Vihible	0.012			

Student Observation:

a) what is SSID of wireless Routers

Anc: Service set identifier is the name assigned to a wireless network, allowing devices to Identify and connect to the correct wifi. The SSID is broadcast by the correct and helps distinguis one network from other in the same area.

Ans. A. Security key is a password or code used to protect a wireless network, ensuing only authorised asses can connect . common types are WEP, WPA etc.

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Result:

This wireless Lan has been configured buccentuly using CISCO packet tracer.

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