# VIRTUAL LAN

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a) Aim:

simulate virtual LAN configuration using cisco packet Tracer simulation.

## procedure:

- 1. create the network using 1 switch 2 APCs as snown in the figure.
- 2 check the network by sending packets coptional)
- 3. Assign IP address to the PCS.

PCO - 10.0.0.1

10.0.0.200 PC10+ 10.0.0.200 Jest 20000 Pupul Kut 0000 3

PC3 - 10.0.0.4

4 Right click on switch and then on CLI run the following command.

> enable

# couft

# veau 2

# name office

# encit

# Vlau 3

# name home

# exit

# interface fast Ethernet 0/1

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#### observation

packets are successfully transferred, semilarly the posterin same when packets are transferred successfully whereas for PCS can't transferred successfully whereas for PCS can't transfer packets

### output:

Fire status source Destination type color time num

- Successful PCO PCI ICMP [] 0.000 0
- O failed PCI PC2 ICMP [] 0.655 1

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### Result:

using ciscopacket trace.

The St next di guideli EXERCISE 86 Justific after S 13/9/24 Viswar Solicite Mehita. Wineless LAN State of JUSTIC the bull 334 3-3331 Continue court do. delines demolitic It was t axe", Justs 5. New Aim: cerifi CONTINUES To configure wireless LAN using cisco parky and » Page 12 traces procedure: 1. Create network 3PCS 2 a voireless Routes 2. Right click on the wireless nouter Note the IP address. It would be 192.168.0.1 -> Disable the DHCP sower -> save settings 3 click on wireless on the same page - change network hame to MYHOME Network - soure setting -> click on wireless security under wireless 2 change security mode to wer from disabled. -> Add Key1: 0123456789 -> soures ettings. -> then close the window, 4. Now assign in to the PCs PCO = 192.168.9.5 -> gateway - 192,168.0.1 PCI = 192, 168.0.6 gateway - 192.168.0.1

TRU

PC2 = 192.168.0.7 galeway = 192.168.0.1 5. New click ou Pco - dick physical option sciekel -> Tuen off that -> Drag the part in the diagram -> to the left menu -> Drag the 'WMP300N' to the past from the left. 1.0.8 -> Then on that > Now dick on desktop -> pc wireless - click connect -> site information -> connect -> Type 101234567891 in the WEP key 1 -> courset 800.0 6. Repeat Step 5 for the PCI 2 PCZ Then you can see the below connection in the ess e 4000 nework Diagrammatic Representation ibled 192.168.0.7 192.168.0.6 192.168.0.5 PCO wortsoon wineless loves o

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	wireless nouter	
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	O successur per per	ICMP D 0566 N
	Simulation panel	
	Event care	
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	0.001	PCO
	0.003	
	0.004	Wireless Routero
	0.004	Wineless Routes
	0.004	mireless pouter o
	0.005	129 33404 100 5-p. 200
	0.006	PC2
	0.004	
	9.009	wireles Routee o
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	0.009	Wireless pouter o
wisibl.	0.012	

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b) what is

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- Device

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student observation

a) what is ssib of wireless pouter?

Aus: service det édelitifier in the name assigned to a wireless network, allowing devices to identify and connect to the correct with

b) what is security key in wireless router. Aus: A security key is a password or code used to protect a wireless network, ensuring only authorised users can connect. common types are wep, was etc.

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MALLER DO SUDA SUD MUNDEU MUNDA DE COM CONTROL Result:

Thus wireless LAN has been conjugured Successfully using Useo packet trave.