

Practical - 85 wireless LAN

aim:

To configure wireless LAN using Cisco packet tracer.

Procedure:

1. Create network 3 PCs & a wireless router
2. Rightclick on the wireless router Note the IP address - It would be
192.168.0.1
 - Disable the DHCP server
 - Save Settings
- 3) click on wireless on the same page
 - change Network name to
Mikano Network
 - Save setting
 - click on wireless security under wireless & change security mode to WEP from disabled.
 - Add key 1: 0123456789
 - Save settings
 - then close the windows
4. Now assign IP to the PCs
 - PC0 = 192.168.0.5
 - gateway - 192.168.0.1
 - PC1 - 192.168.0.6
 - gate way - 192.168.0.1

PC 2 - 192.168.0.7

Gateway - 192.168.0.1

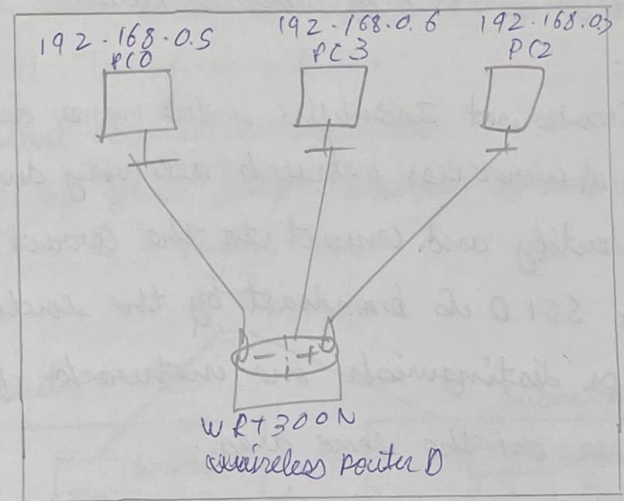
5) Now click on PC0

- click physical option
- Turn on that
- Drag the part in the diagram
- to the left area
- Drag the 'WM P300 N' to the part
- from the left
- Turn on that
- Now click on desktop → PC wireless
- click connect → side information → connect
- Type '0123456789' in the WE P key
- Connect

6) Repeat step 5 for the PC1 & PC2

7) Then you can see the below connection in the network

Diagram in representation



o/p: Thus the packets could be transmitted via wireless router.

Fire	Last Status	Source	Destination	Type	Colour	Time	Period	Run
○	Successful	PC0	PC2	ICMP	D	0.000	N	0
○	Successful	PC1	PC0	ICMP	D	0.566	N	1

Simulation panel		
Event List		
VIS	Time (sec)	Last Device
	0.000	---
	0.001	PC0
	0.003	---
	0.004	wireless router 0
	0.004	wireless router 0
	0.004	wireless router 0
	0.005	---
	0.006	PC2
	0.008	---
	0.009	wireless router 0

Student observation

a) what is SSID of wireless router?

Ans:

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 router and helps distinguish one network from other in the same area.

b) what is security key in wireless router.

Ans:

A security key is a password or code used to protect a wireless network, ensuring only authorised users can connect. Common types are WEP, WPA etc.

OK/

Result:

Thus wireless can ~~has~~ been configured successfully using ~~also~~ packet tracer