***Experiment No : 06***

***Experiment Name:*** *Implementation of Wireless LAN using Wireless Access Point and DHCP server.*

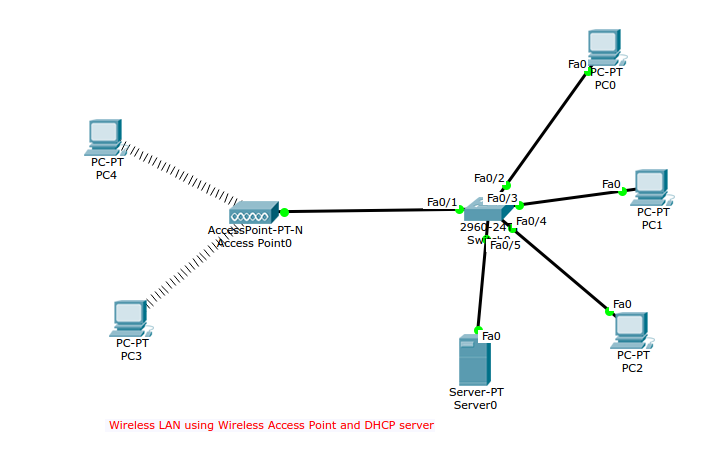
***Objective:***

­In this experiment, we are going to implement Wireless LAN using Wireless Access Point and DHCP server on ‘CISCO Packet Tracer’.

Here, we use a sample network diagram it contains 1 switch, 1 Wireless Access Point, 1 server and 5 PCs.

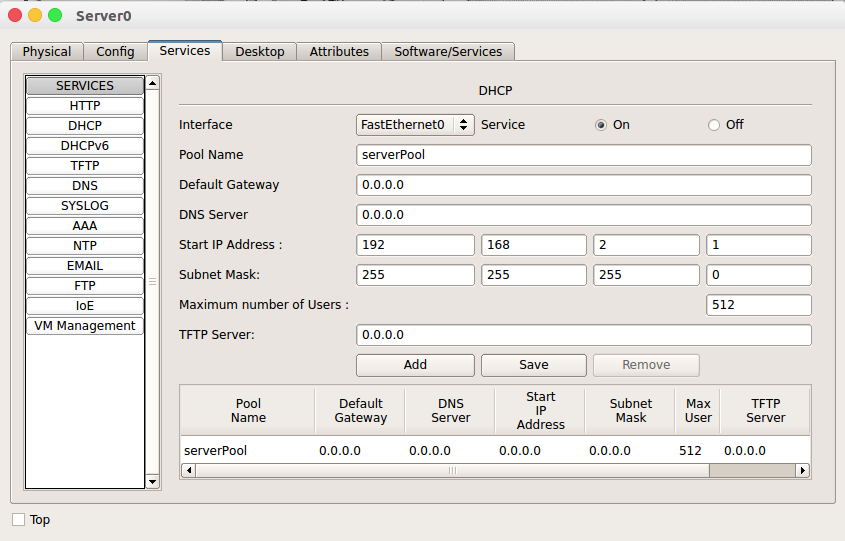
***Design Procedure:***

# Let us implement the network like below:

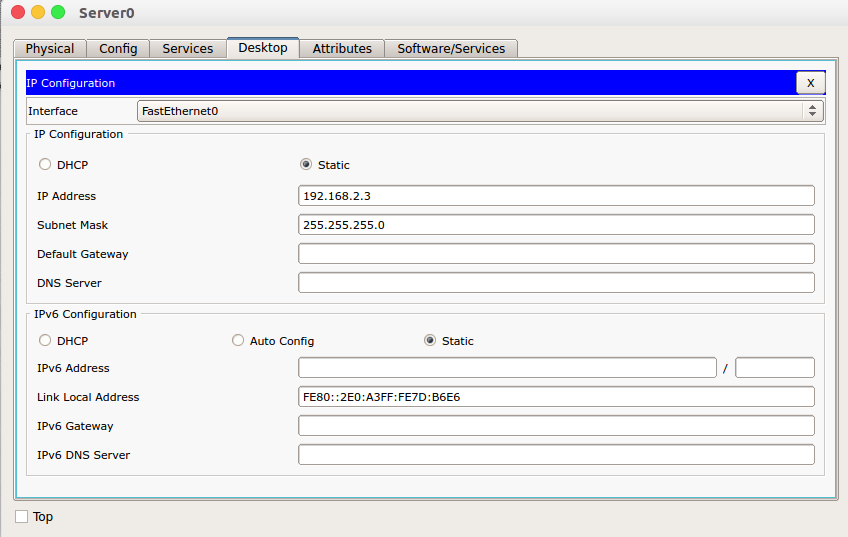


Server Configuration:

1. DHCP configure:

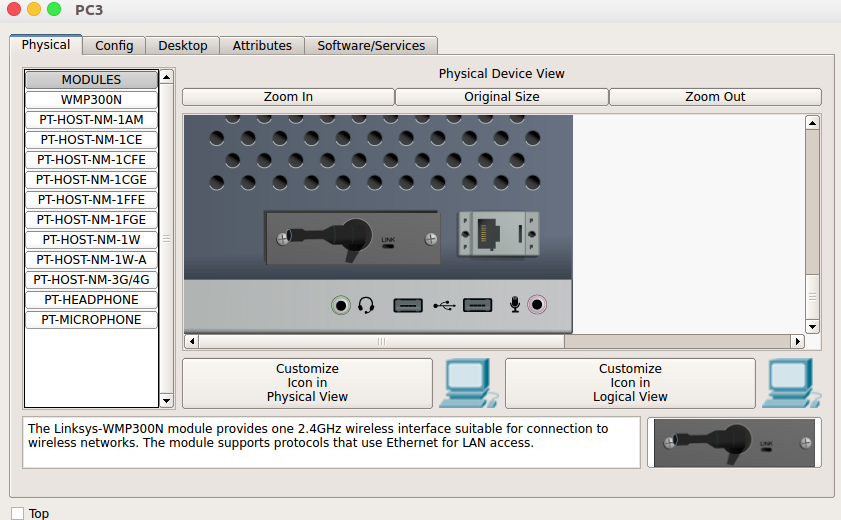


1. IP configure:

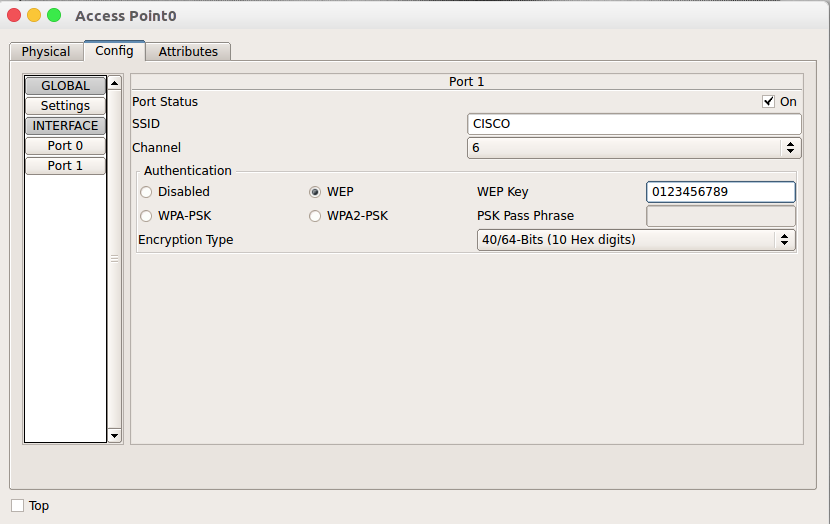


Install WLAN card for PC-3:

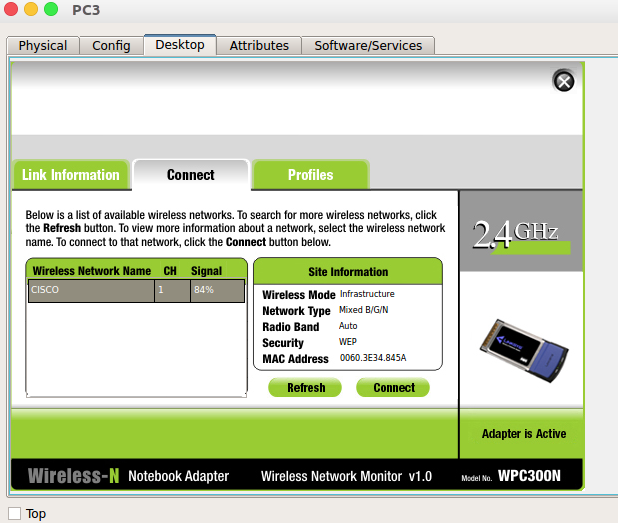
🡪 At first off the connection. Then add the ‘Linksys-WMP300N’ WLAN card for PC-3 and same for PC 4.

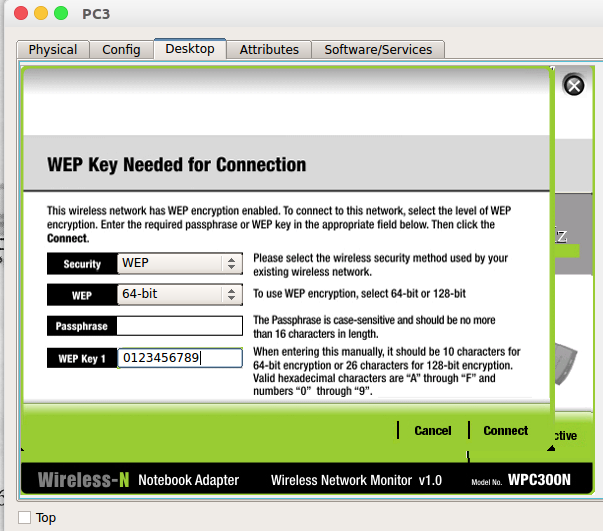


Configure the access point like below:



Connect it as SSID: CISCO and WEP Key: 0123456789 on PC-3 and PC-4





Make DHCP configuration on PC0, PC1 and PC2 in IP address configuration.

The IP of DHCP server is 192.168.2.3. Try to connect to the sever from PC3 using URL as: 192.168.2.3.

