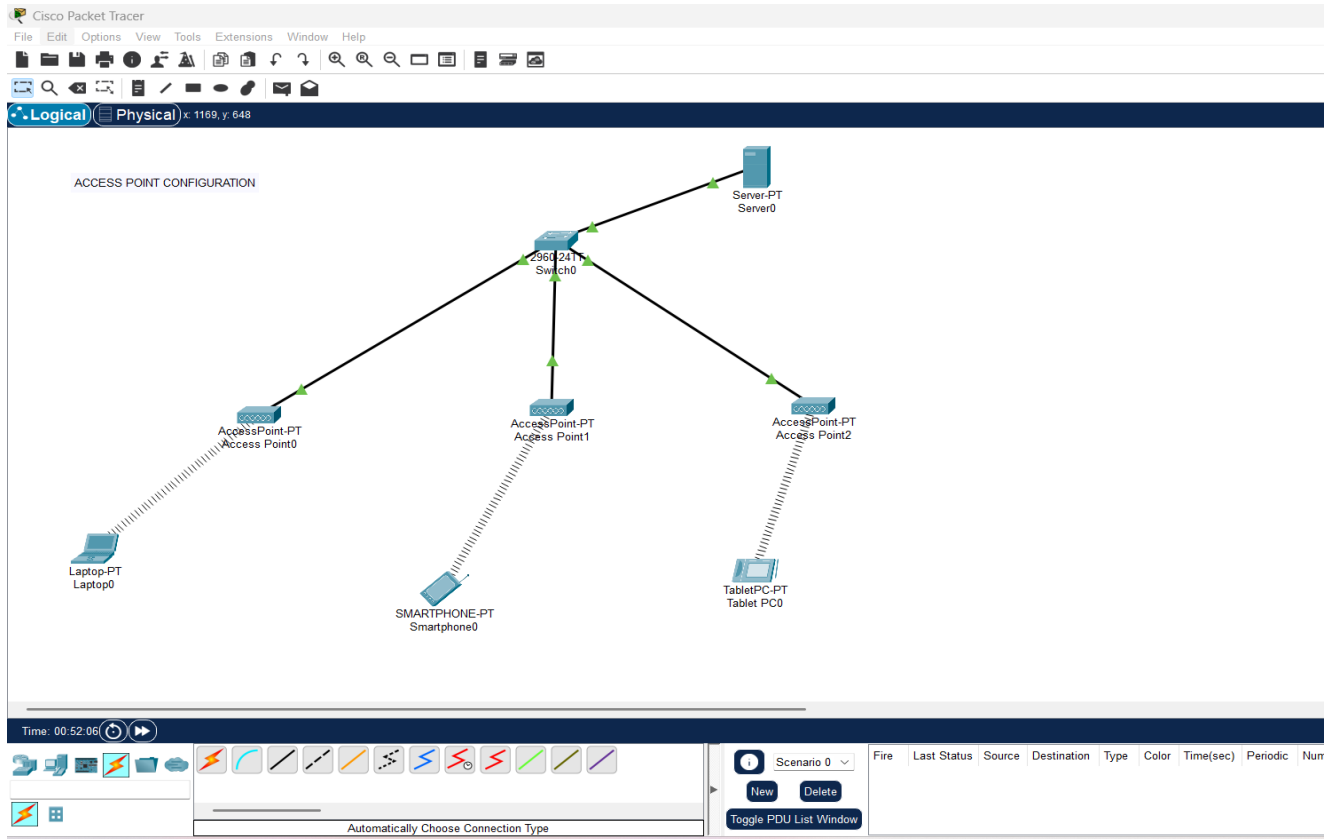
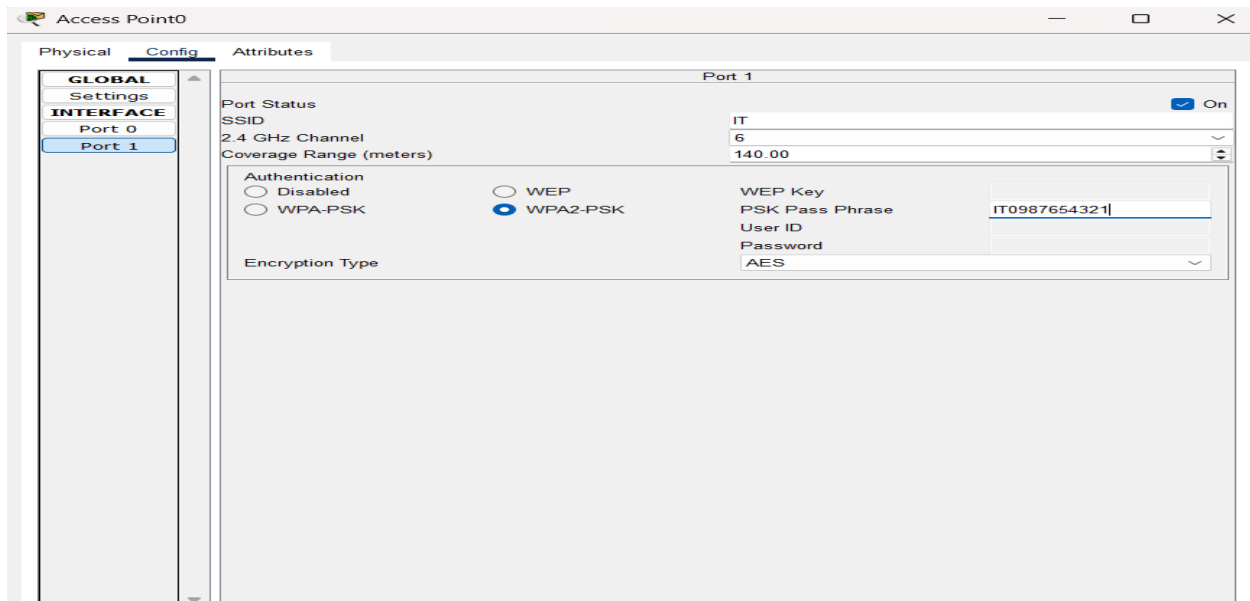


Cisco Wireless LAN Access Point Configuration

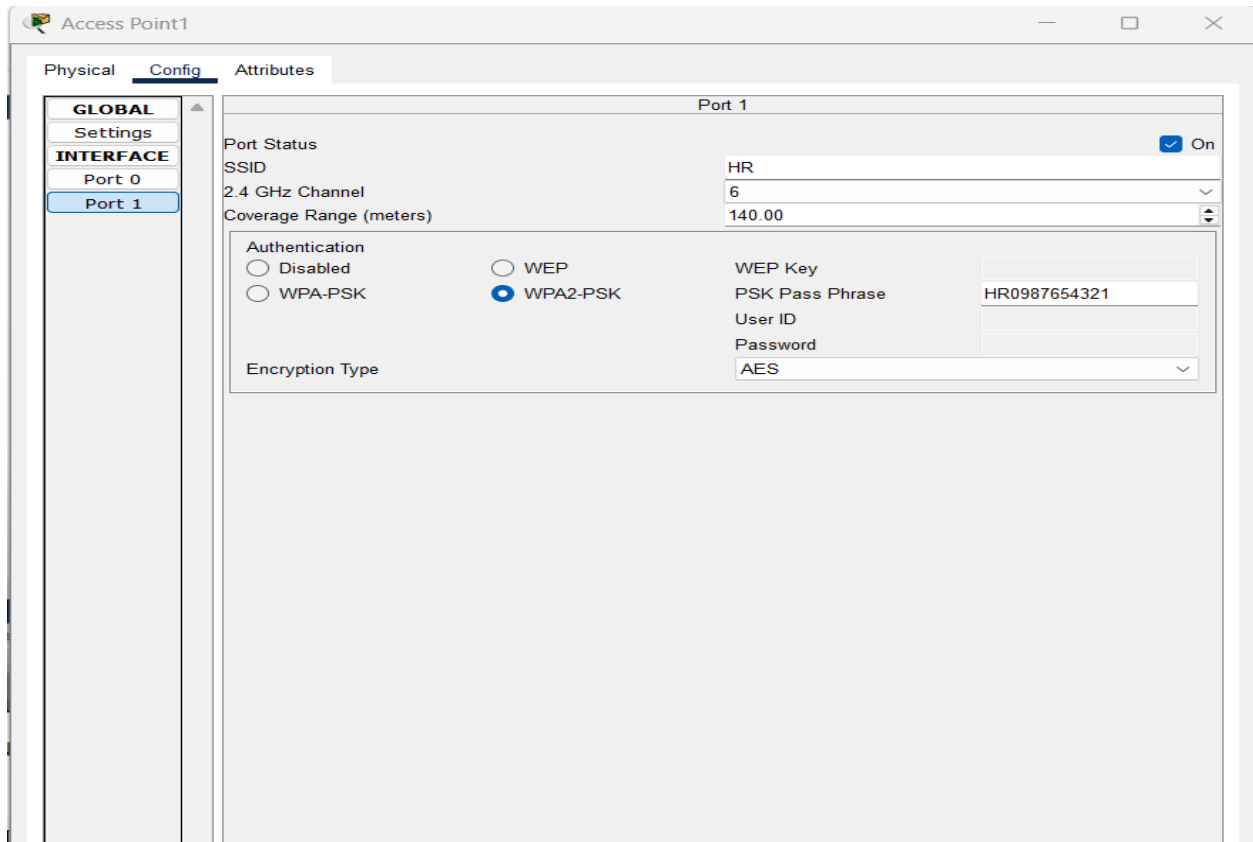


How to configure an access point?

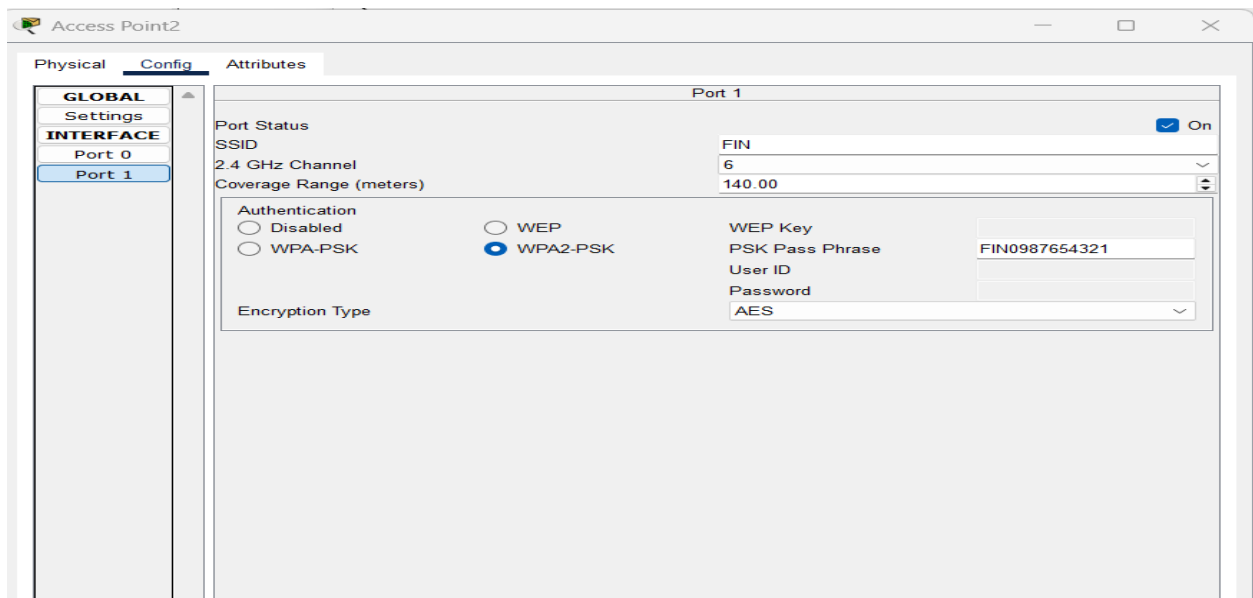
Click on Access Point



Access Point -1

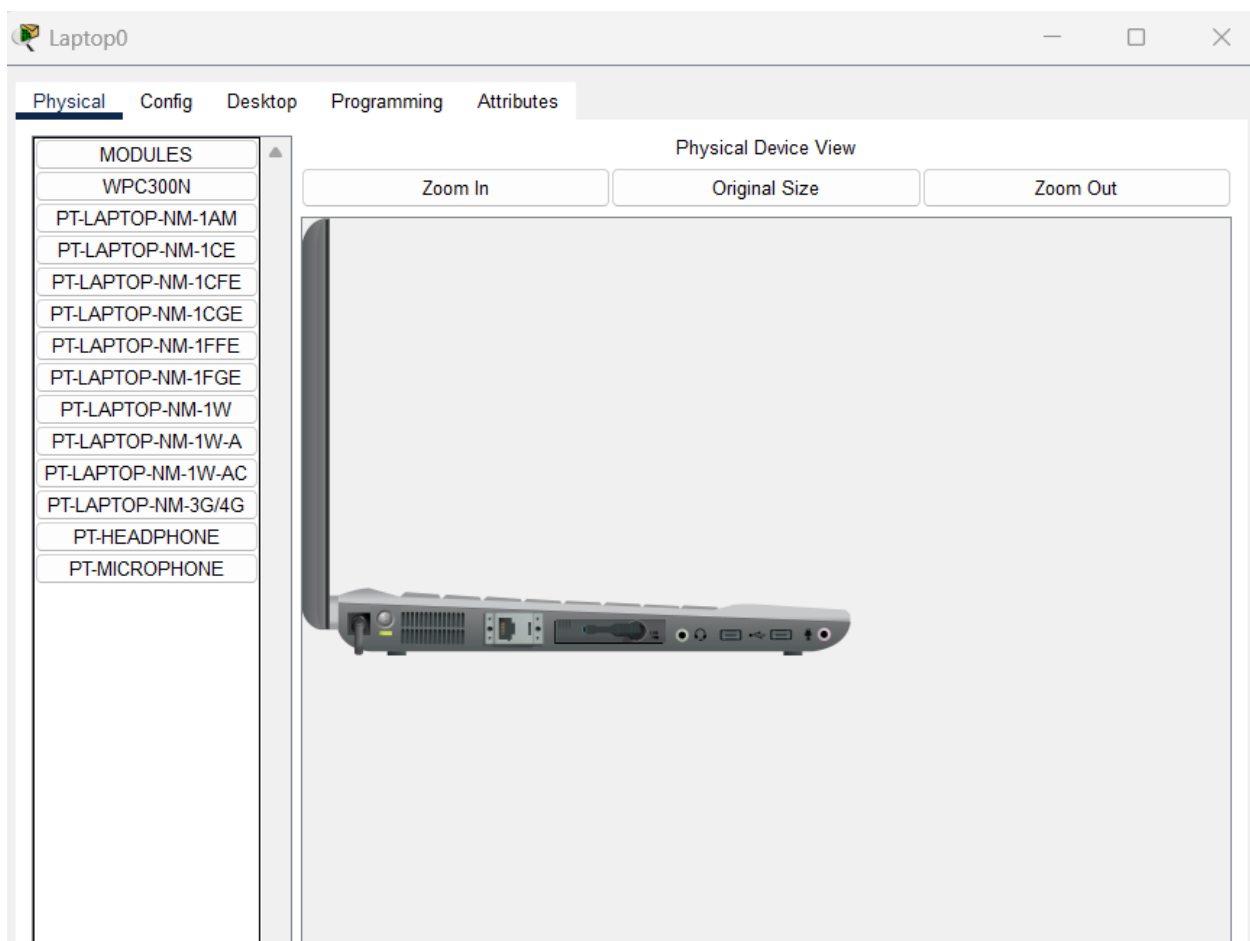
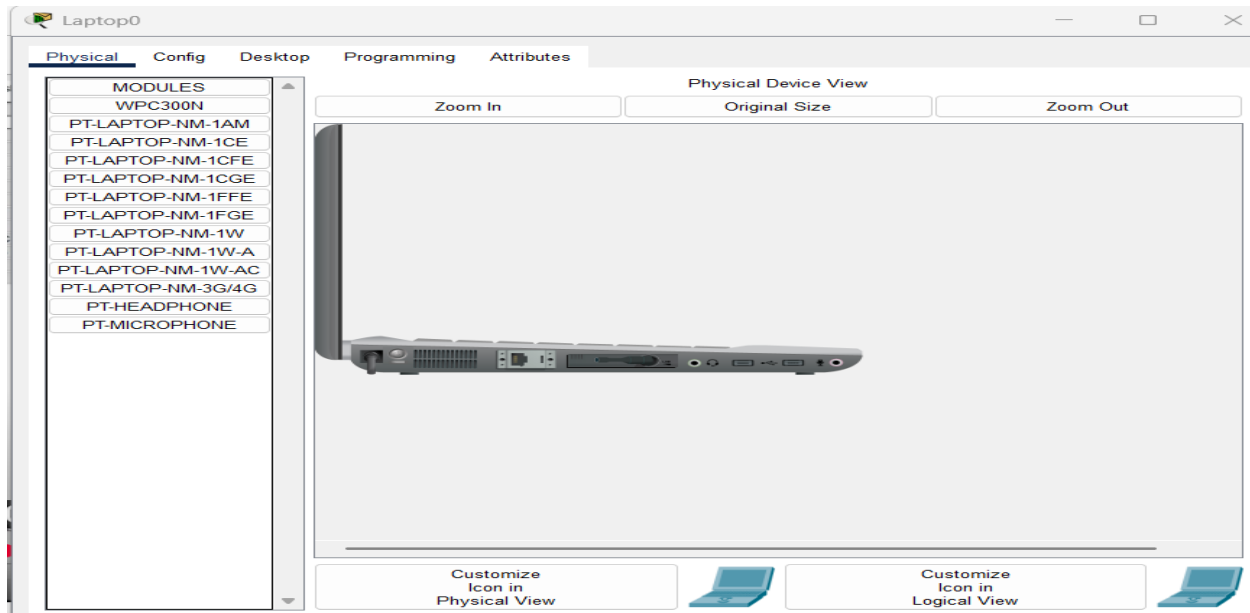


Access Point 2



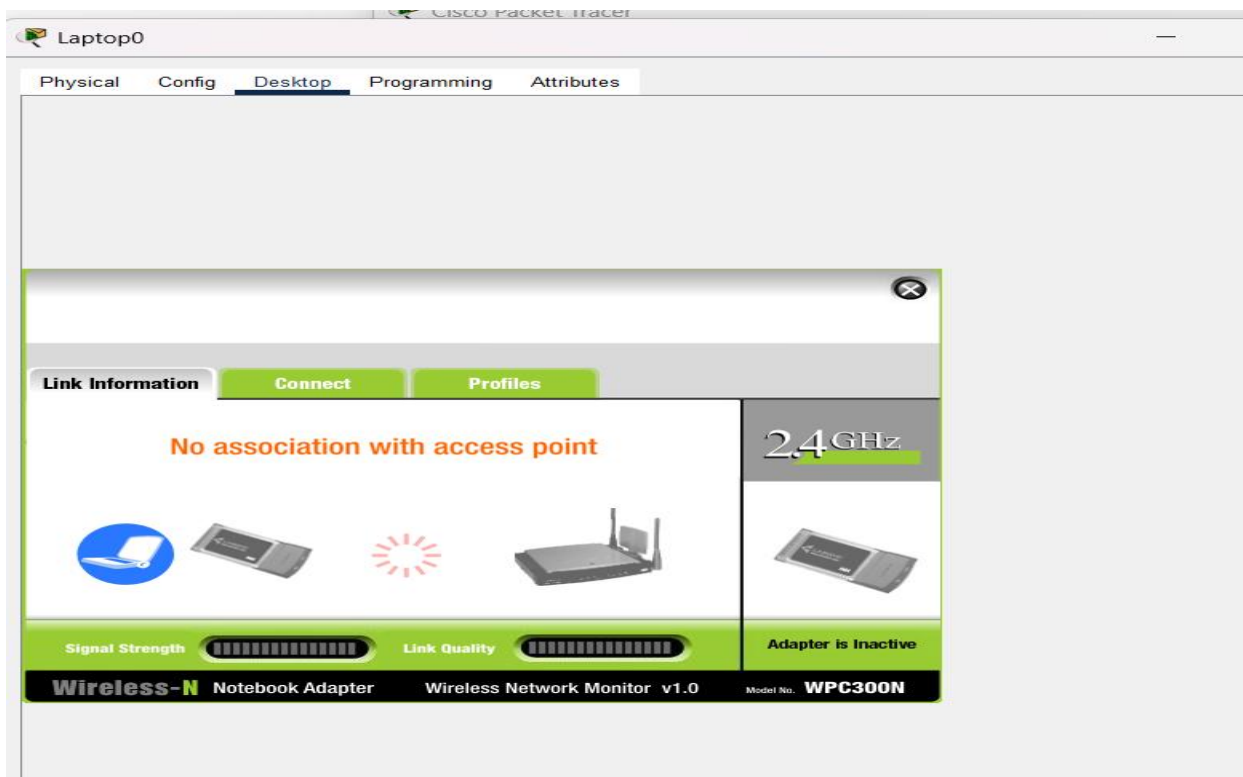
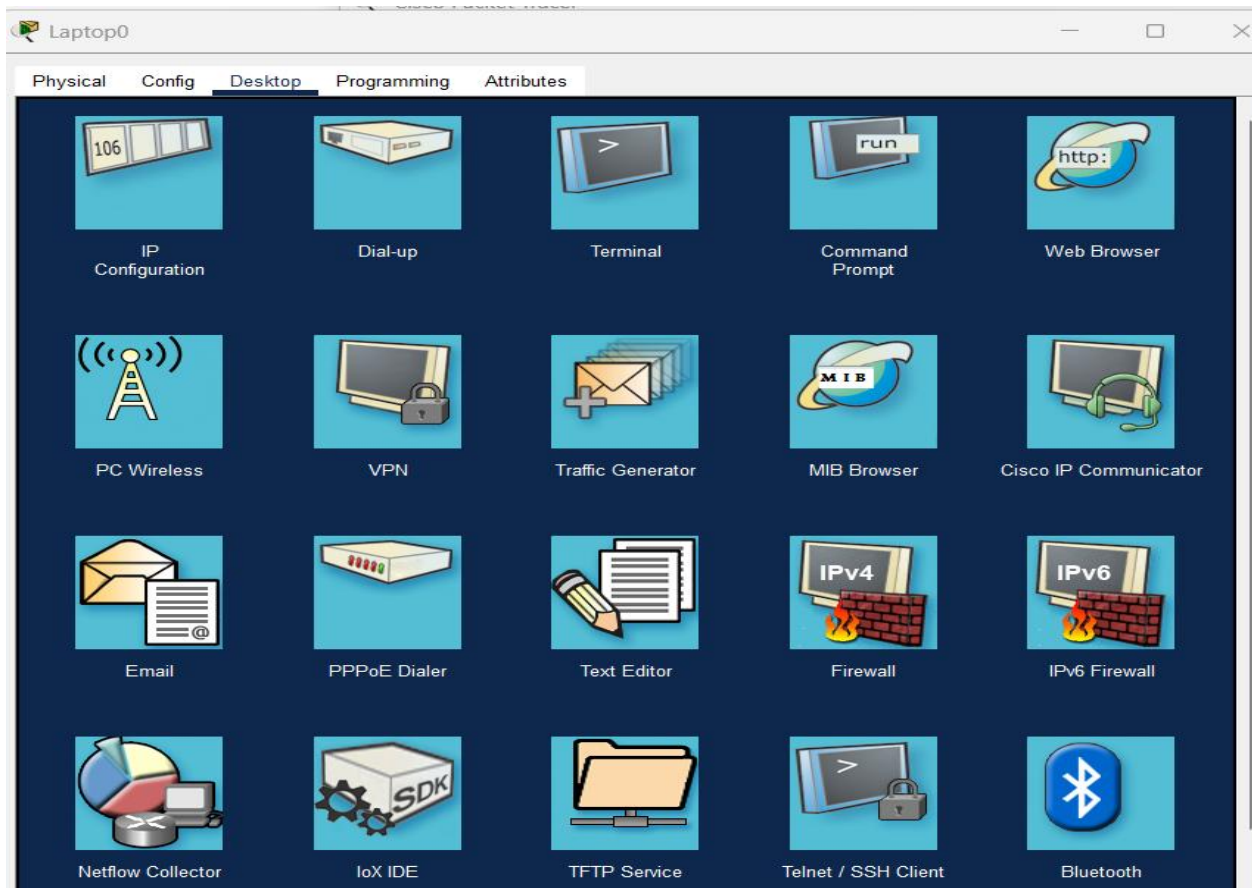
So we have managed to configure each access point with SSID and password, so if we need to connect the SSID of the Access point to the devices, we need to input the SSID and password on to the devices.

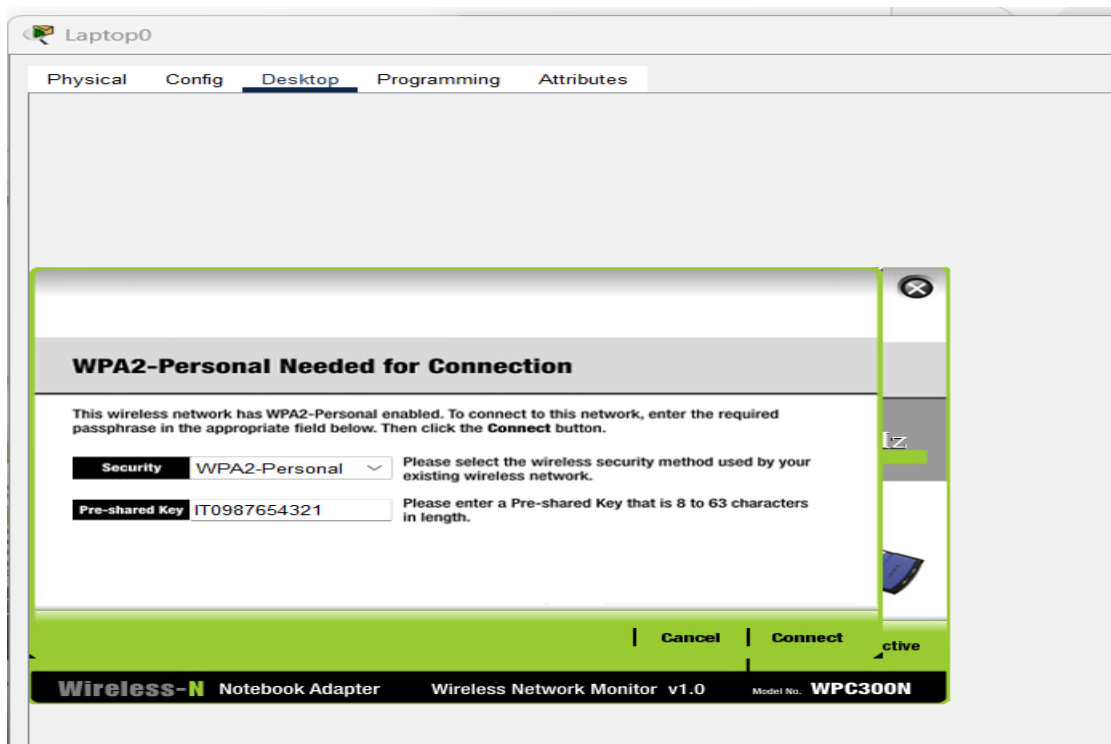
The laptops on the packet tracer don't have a wireless card so it is a bonus to put them, so to put the use WPC300N



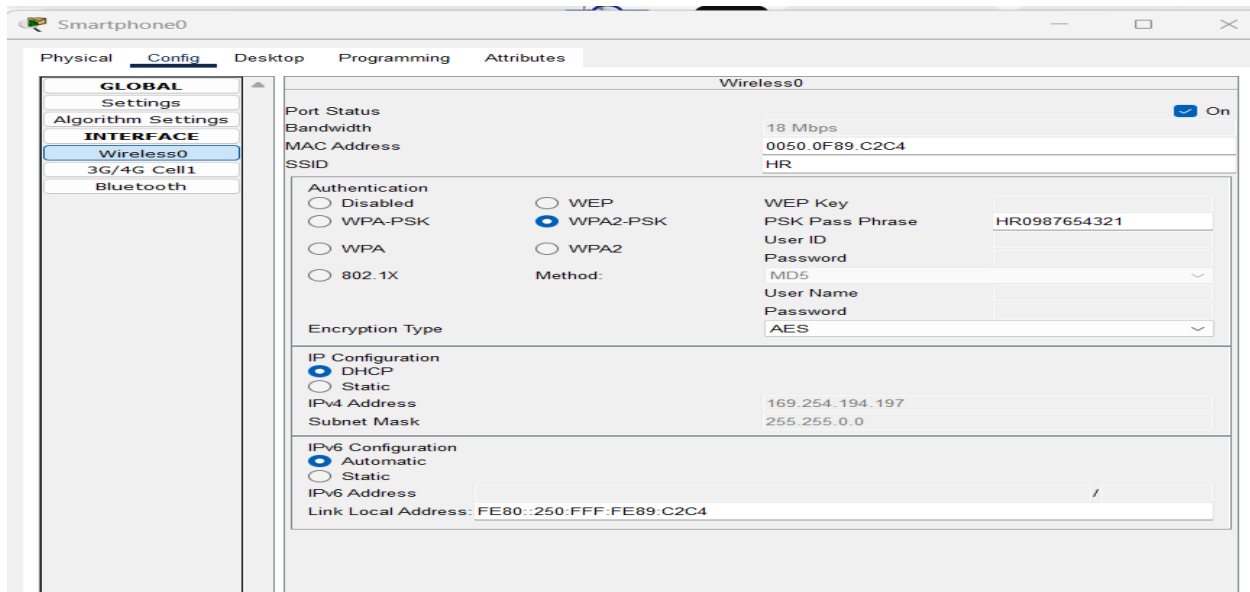
So there is Wireless Card

So now there I need to connect Access Point 0 to Laptop 0

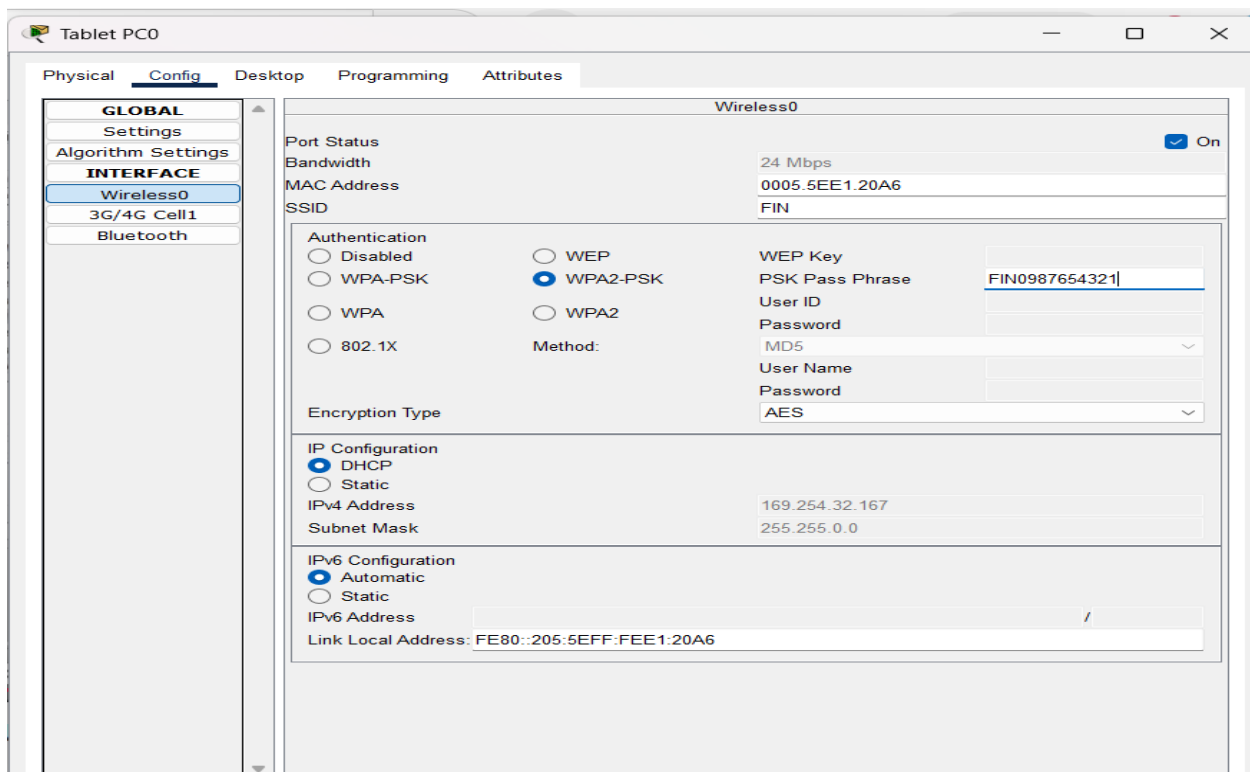




For Smartphone0



Tablet PC0



So I managed to connect to each devices to connect to each Access Point,

So these devices have a self assigned IP Address, so we need to use this DHCP server to send the IP addresses,

So I will go to DHCP server and assign IP address

Server0

PhysicalConfigServicesDesktopProgrammingAttributes

IP ConfigurationX

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

10.10.10.10

Subnet Mask

255.0.0.0

Default Gateway

10.10.10.1

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

/

Link Local Address

FE80::260:5CFF:FE85:2605

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication

MD5

Username

Password

Turn the DHCP on

Server0

PhysicalConfigServicesDesktopProgrammingAttributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

InterfaceFastEthernet0Service☒ On☐ Off

Pool NameserverPool

Default Gateway0.0.0.0

DNS Server0.0.0.0

Start IP Address :10000

Subnet Mask:255000

Maximum Number of Users :512

TFTP Server:0.0.0.0

WLC Address:0.0.0.0

AddSaveRemove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	10.0.0.0	255.0.0.0	512	0.0.0.0	0.0.0.0

Server0

PhysicalConfigServicesDesktopProgrammingAttributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

InterfaceFastEthernet0ServiceOnOff

Pool NameserverPool

Default Gateway10.10.10.1

DNS Server10.10.10.1

Start IP Address : 10000

Subnet Mask: 255000

Maximum Number of Users : 512

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

AddSaveRemove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	0.0.0.0	10.0.0.0	255.0.0.0	512	0.0.0.0	0.0.0.0

Server0

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP**
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 10.10.10.1

DNS Server: 10.10.10.1

Start IP Address: 10 10 10 151

Subnet Mask: 255 0 0 0

Maximum Number of Users: 512

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add Save Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	10.10.10.1	10.10.10.1	10.10.10.151	255.0.0.0	512	0.0.0.0	0.0.0.0

So again when we move back to laptop we are able to see

When we go back to the laptop we are able to see DHCP successful

Laptop0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface: Wireless0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IPv4 Address: 10.10.10.151

Subnet Mask: 255.0.0.0

Default Gateway: 10.10.10.1

DNS Server: 10.10.10.1

IPv6 Configuration

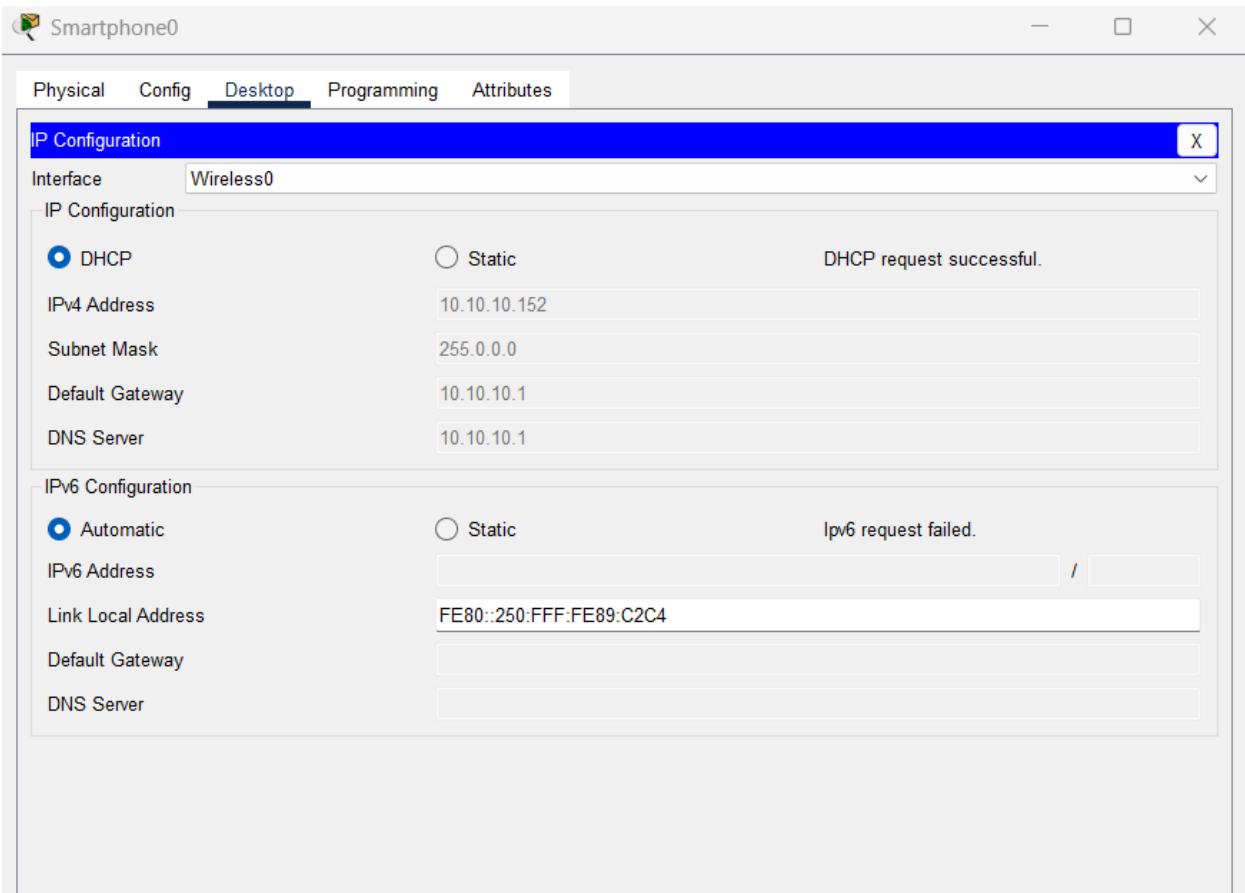
☒ Automatic ☐ Static Ipv6 request failed.

IPv6 Address: /

Link Local Address: FE80::290:2BFF:FED4:CDE4

Default Gateway:

DNS Server:



Tablet PC0

PhysicalConfigDesktopProgrammingAttributes

IP Configuration

X

InterfaceWireless0

IP Configuration

DHCP

Static

DHCP request successful.

IPv4 Address

10.10.10.154

Subnet Mask

255.0.0.0

Default Gateway

10.10.10.1

DNS Server

10.10.10.1

IPv6 Configuration

Automatic

Static

Ipv6 request failed.

IPv6 Address

/

Link Local Address

FE80::205:5EFF:FEE1:20A6

Default Gateway

DNS Server