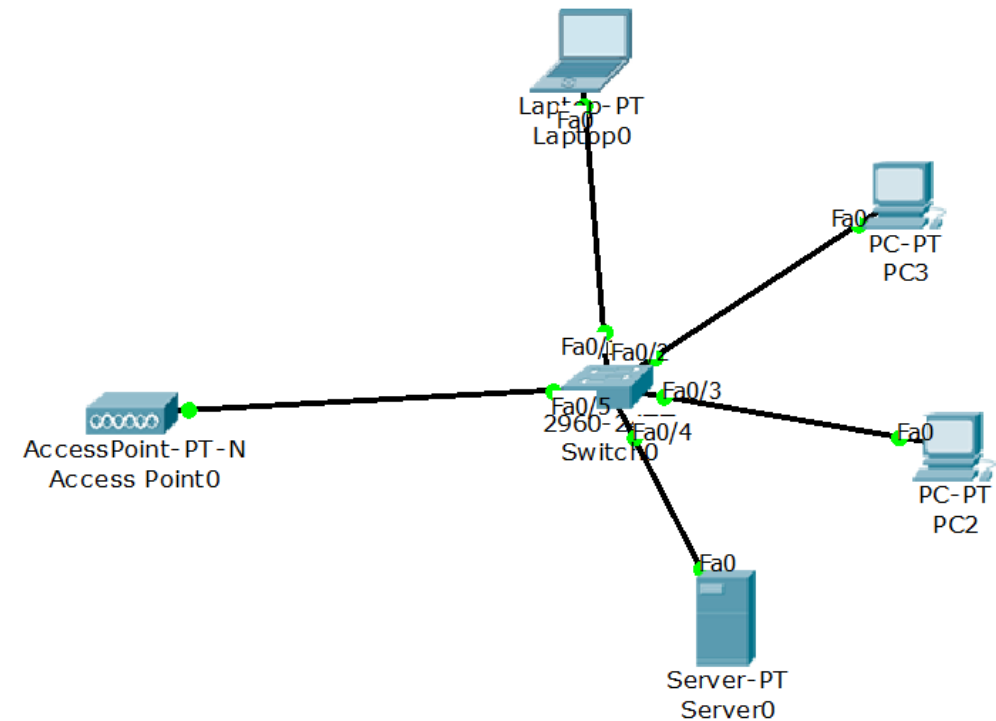


## Implementation of Wireless LAN (Wi-Fi)



PC-PT  
PC1

PC-PT  
PC0



192.168.2.3

Physical Config Desktop Custom Interface

**GLOBAL**

Settings

Algorithm Settings

**SERVICES**

HTTP

DHCP

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

FIREWALL

IPv6 FIREWALL

**INTERFACE**

FastEthernet0

### DHCP

Service ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address: 192 168 2 1

Subnet Mask: 255 255 255 0

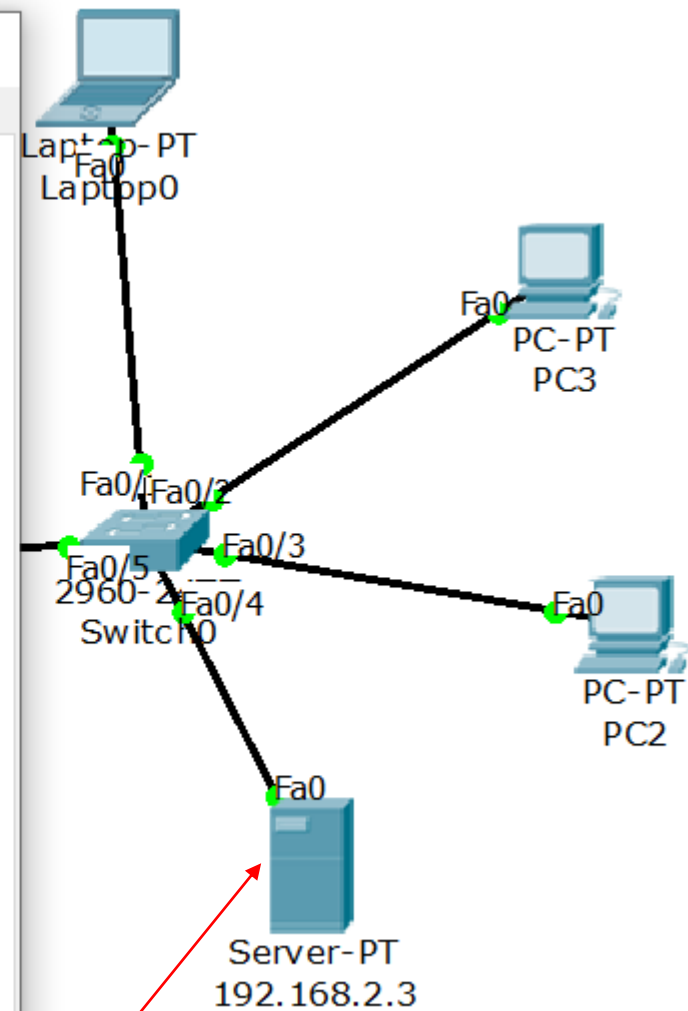
Maximum number of Users: 512

TFTP Server: 0.0.0.0

Add Save Remove

Pool N:	Default Gat	DNS Ser	Start IP A	Subnet	Max Nu	TFTP
serv...	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0	512	0.0.0.0

< >



192.168.2.3

Physical Config Desktop Custom Interface

### IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.2.3

Subnet Mask: 255.255.255.0

Default Gateway:

DNS Server:

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

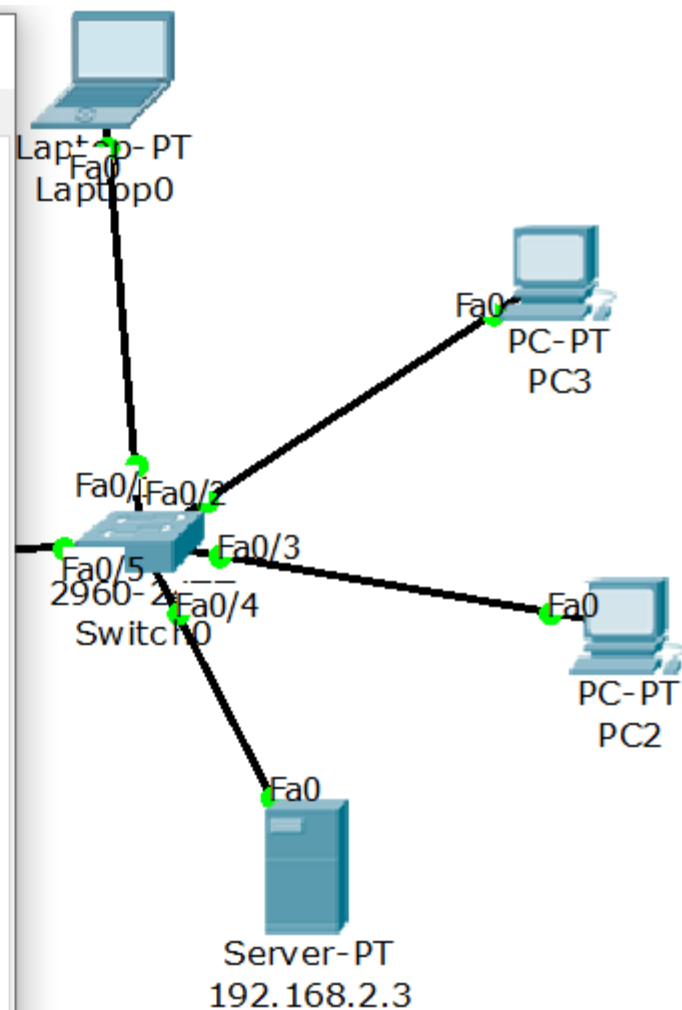
IPv6 Address: /

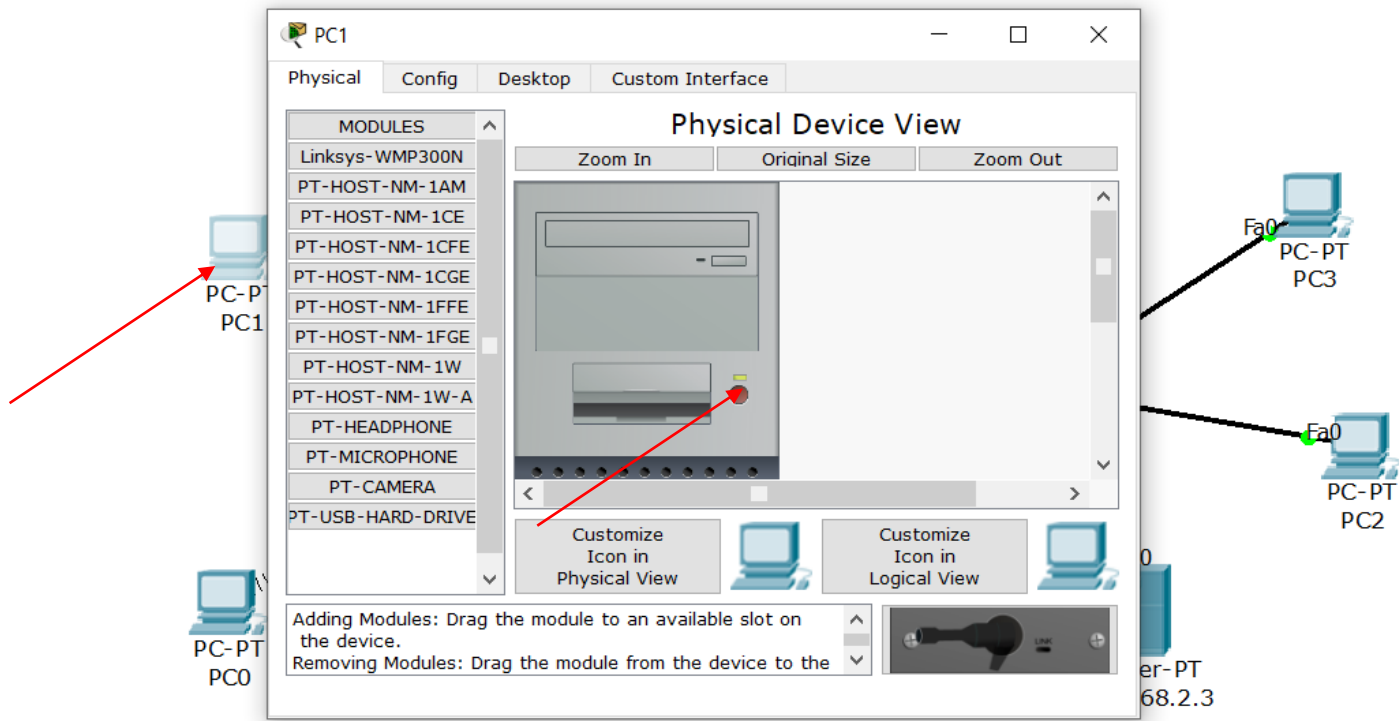
Link Local Address: FE80::230:F2FF:FE7D:E87C

IPv6 Gateway:

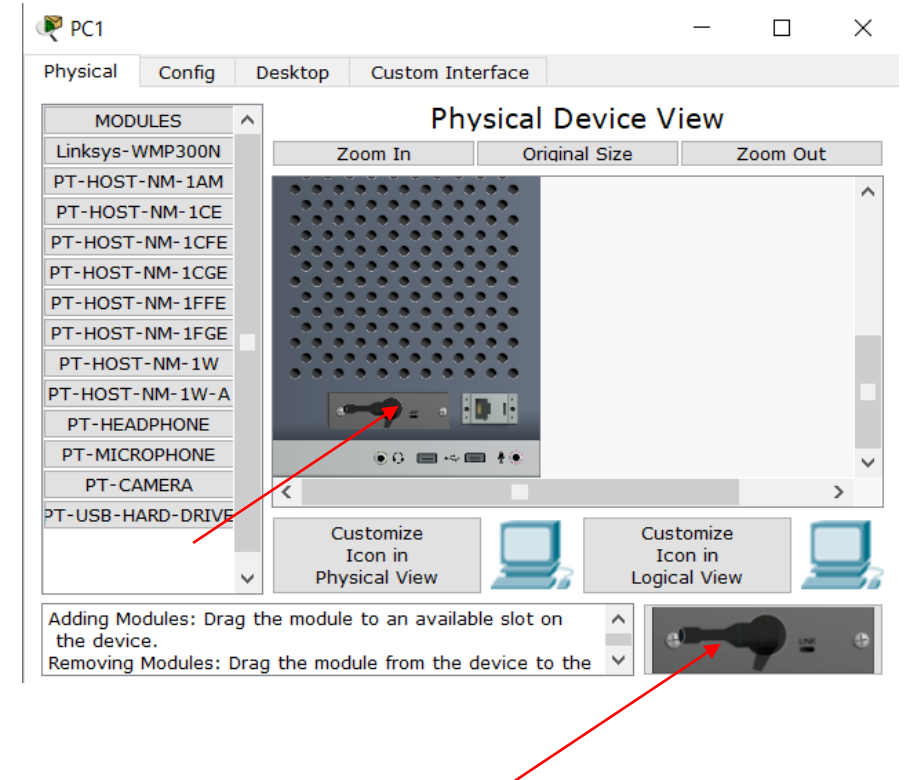
IPv6 DNS Server:

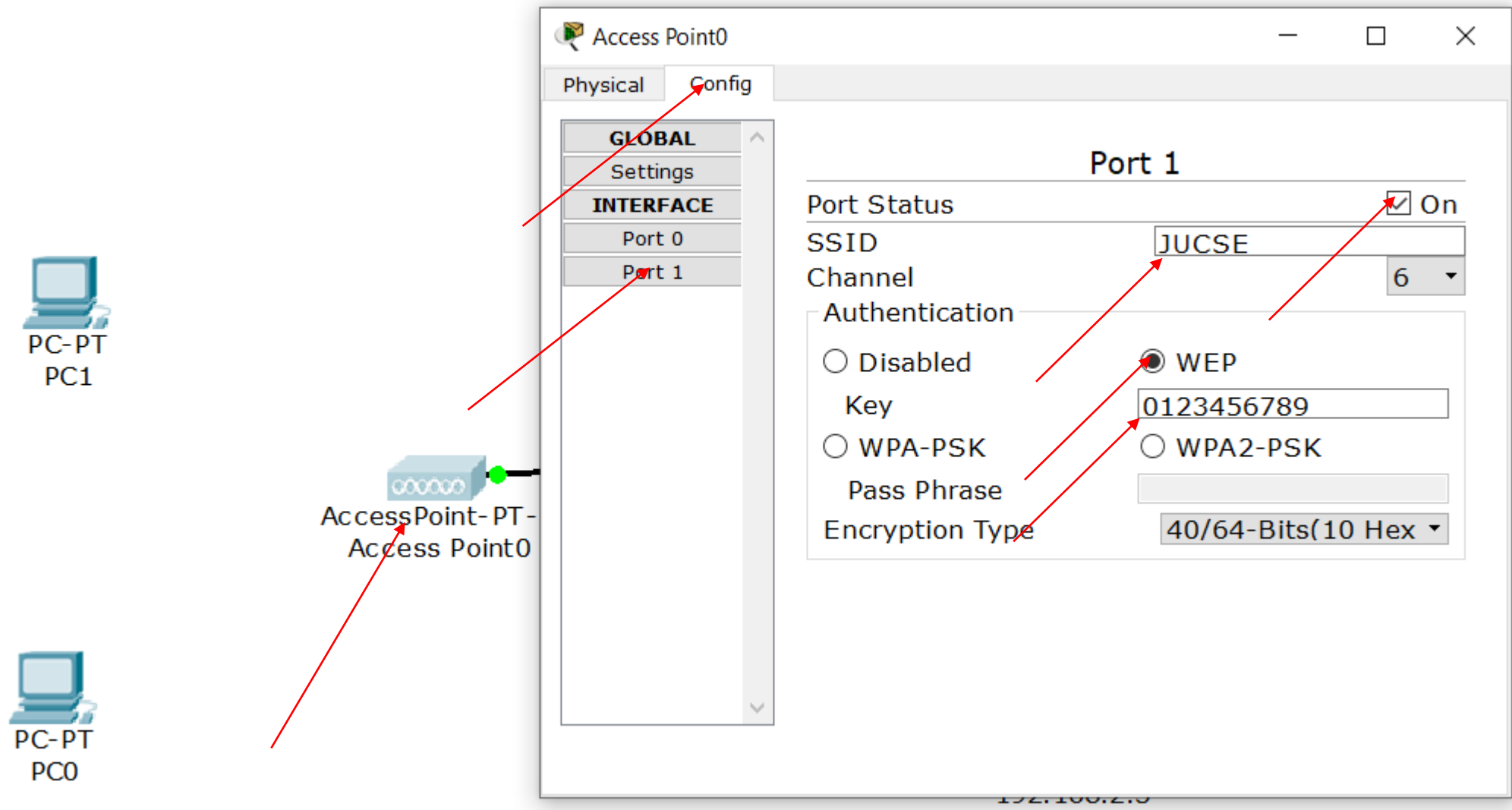
Web Browser



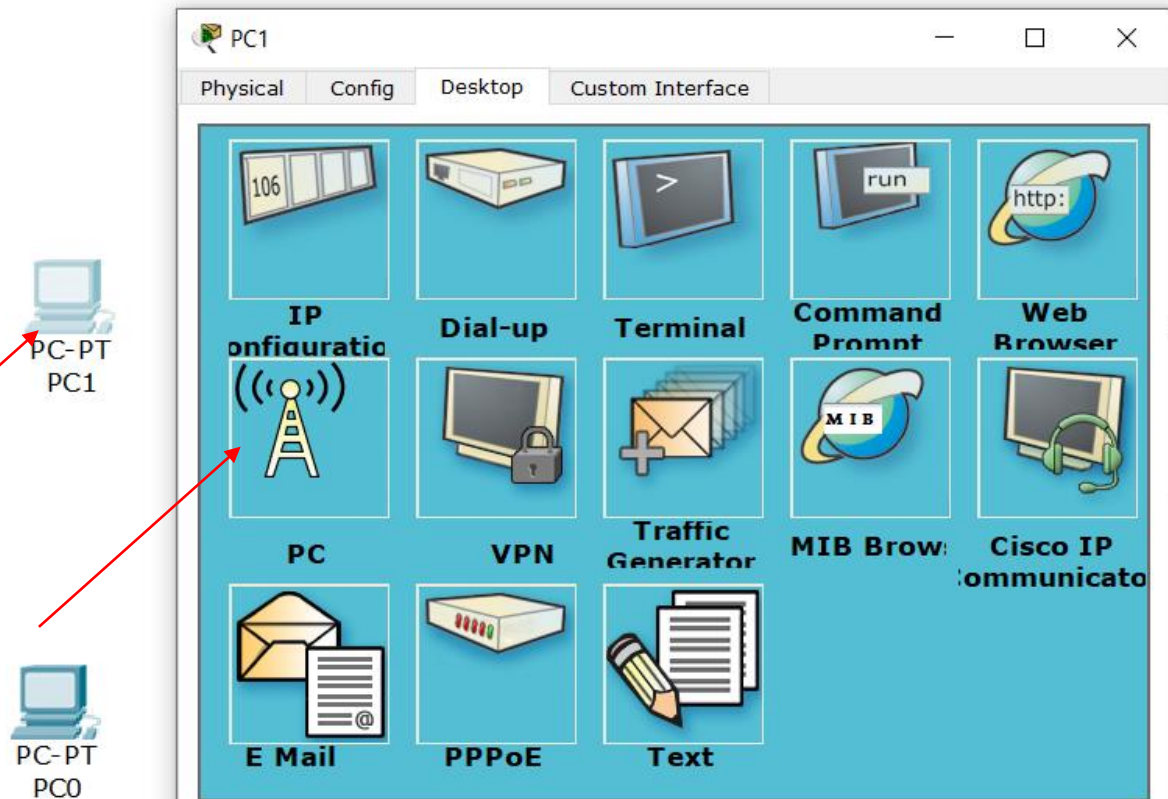


Do the same operation on PC 2





SSID stands for Service Set Identifier and is your network's name.  
WEP stands for Wired Equivalent Privacy



**LINKSYS®**  
A Division of Cisco Systems, Inc.

## WEP Key Needed for Connection

This wireless network has WEP encryption enabled. To connect to this network, select the level of WEP encryption. Enter the required passphrase or WEP key in the appropriate field below. Then click the **Connect**.

**Security**

WEP

Please select the wireless security method used by your existing wireless network.

**WEP**

64-bit

To use WEP encryption, select 64-bit or 128-bit

**Passphrase**

The Passphrase is case-sensitive and should be no more than 16 characters in length.

**WEP Key 1**

0123456789

When entering this manually, it should be 10 characters for 64-bit encryption or 26 characters for 128-bit encryption. Valid hexadecimal characters are "A" through "F" and numbers "0" through "9".

Cancel

Connect

**Wireless-N** Notebook Adapter

Wireless Network Monitor v1.0

Model No.

**WPC300N**

Do the same operation on PC 0

The screenshot shows the Linksys Wireless Network Monitor v1.0 interface running on PC0. The interface has a title bar with 'PC0' and standard window controls. Below the title bar are tabs for 'Physical', 'Config', 'Desktop', and 'Custom Interface'. The main content area is divided into three sections: 'Link Information', 'Connect', and 'Profiles'. The 'Link Information' section displays a list of available wireless networks. The 'Connect' section shows site information for the selected network. The 'Profiles' section is currently empty. The interface also includes a '2.4GHz' indicator, a 'Wireless-N Notebook Adapter' status bar, and a 'Wireless Network Monitor v1.0' footer.

**LINKSYS®**  
A Division of Cisco Systems, Inc.

**Link Information** **Connect** **Profiles**

Below is a list of available wireless networks. To search for more wireless networks, click the **Refresh** button. To view more information about a network, select the wireless network name. To connect to that network, click the **Connect** button below.

Wireless Network Name	CH	Signal
JUCSE	1	100%

**Site Information**

**Wireless Mode** Infrastructu  
**Network Type** Mixed B/G/I  
**Radio Band** Auto  
**Security** WEP  
**MAC Address** 000C.CF77.36E9

**Refresh** **Connect**

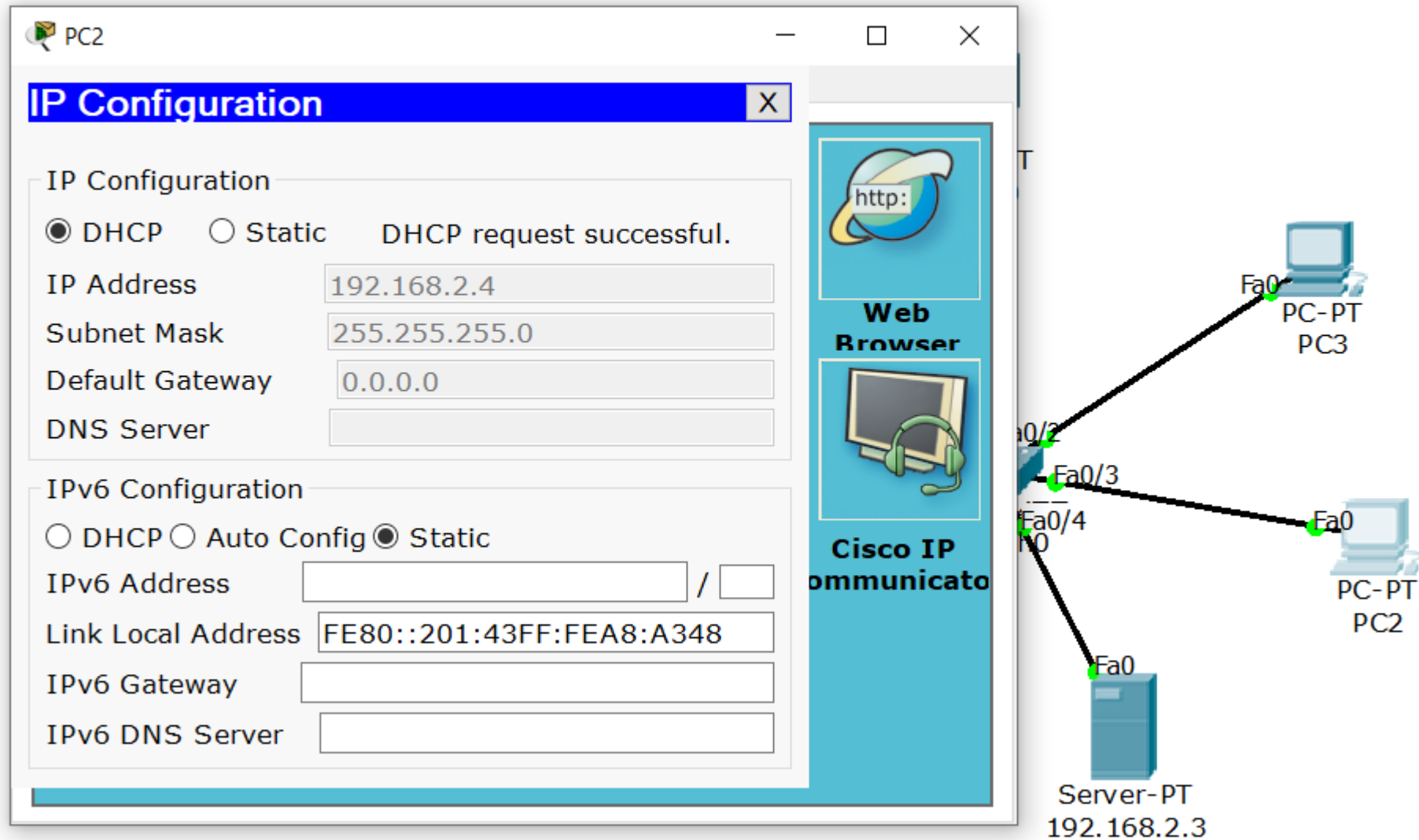
**2.4GHz**

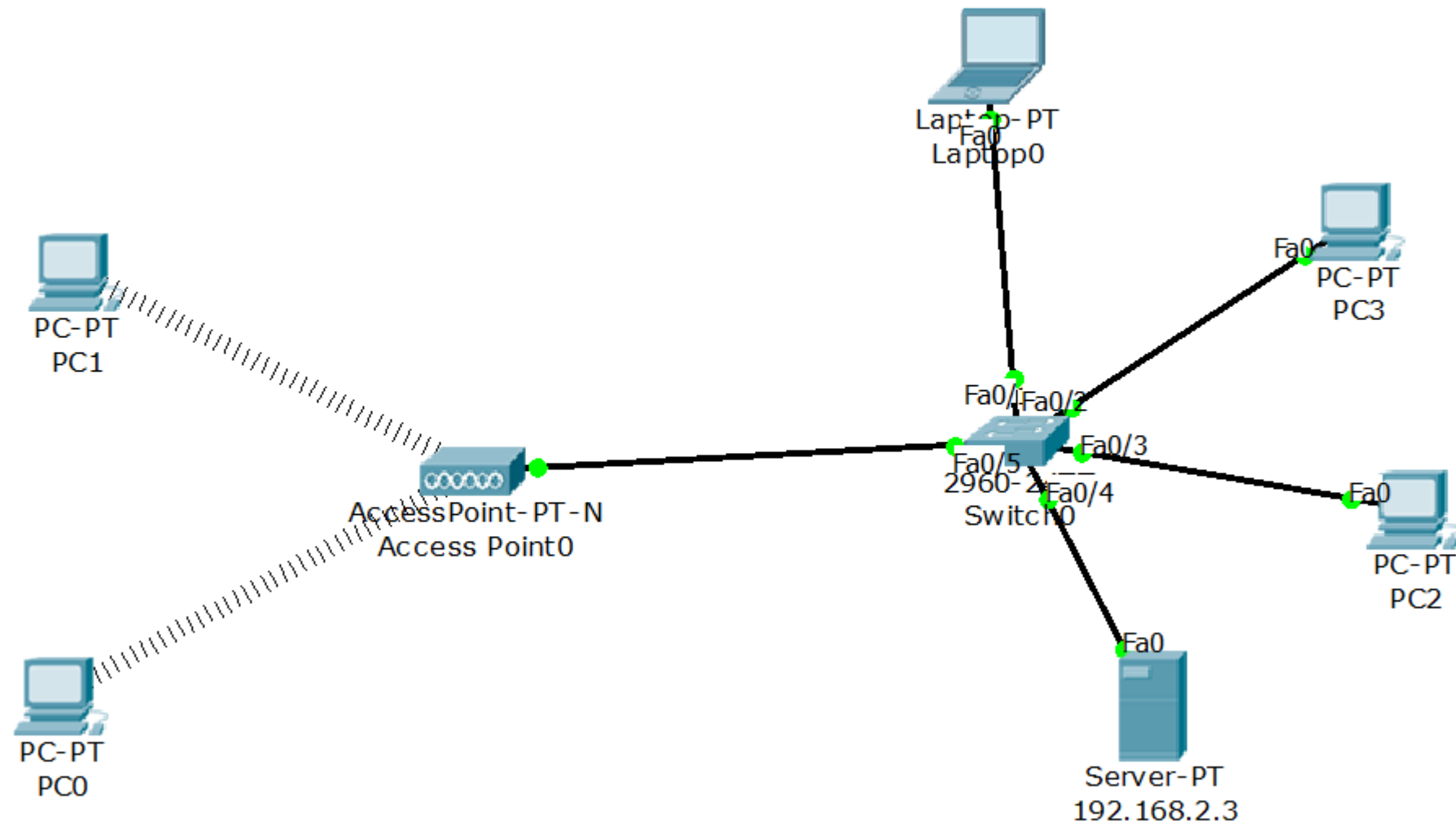
**Adapter is Active**

**Wireless-N** Notebook Adapter Wireless Network Monitor v1.0 Model No. **WPC300N**



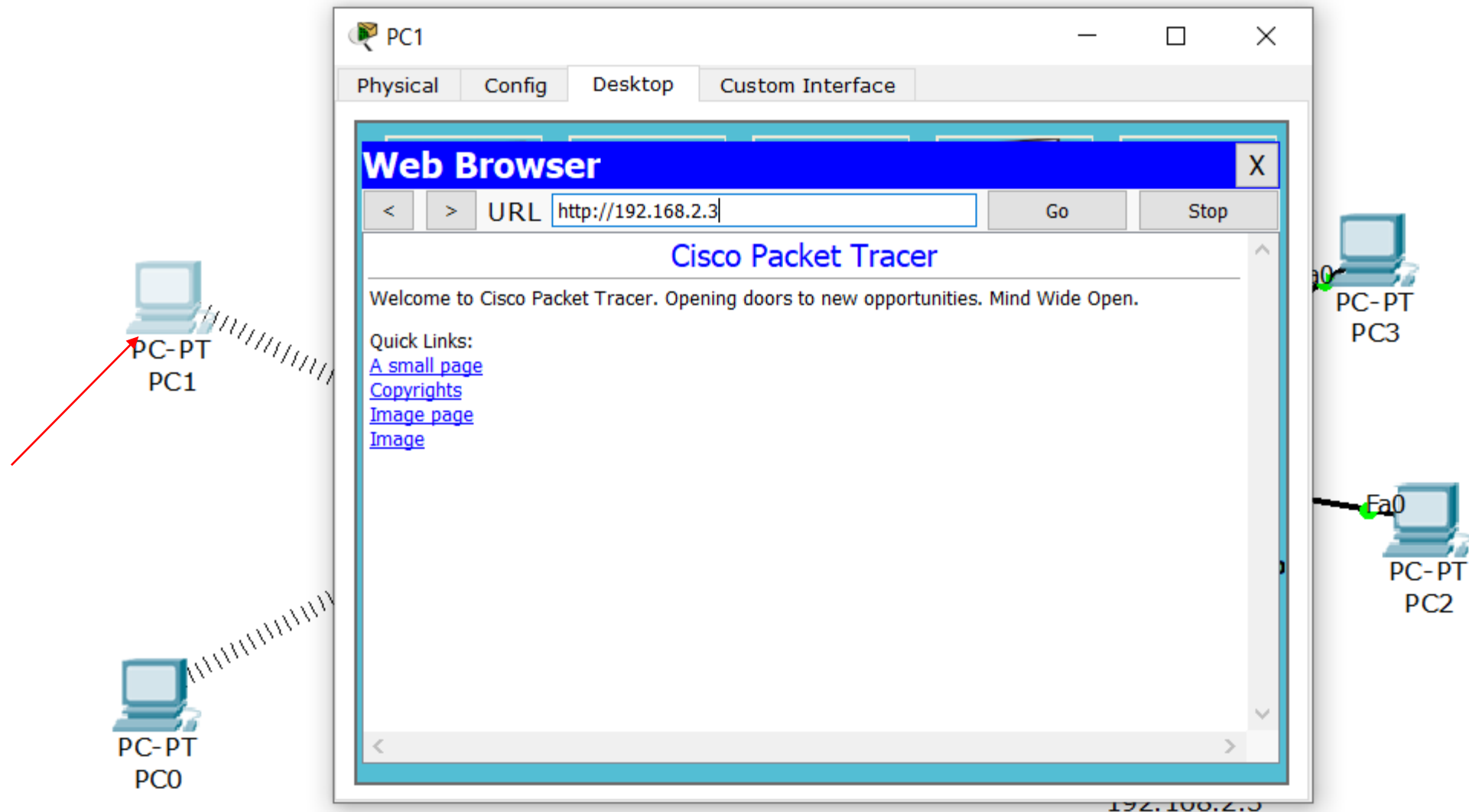
Apply DHCP on each wired PC





Now verify by sending ICMP packet or ping

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



192.168.2.3, DHCP server

Physical Config Desktop Custom Interface

**GLOBAL**

Settings

Algorithm Settings

**SERVICES**

HTTP

DHCP

TFTP

**DNS**

SYSLOG

AAA

NTP

EMAIL

FTP

FIREWALL

IPv6 FIREWALL

**INTERFACE**

FastEthernet0

### DNS

DNS Service ☒ On ☐ Off

Resource Records

Name  Type

Address

No.	Name	Type	Details
-----	------	------	---------

PC12

Physical Config Desktop Custom Interface

### Web Browser

< > URL

Cisco Packet Tracer

We are the student of CSE EWU

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- [Image page](#)
- [Image](#)

Implement three wi-fi for three department as the extension of previous work:

