NATIONAL UNIVERSITY
of Computer & Emerging Sciences

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Sec: 5A

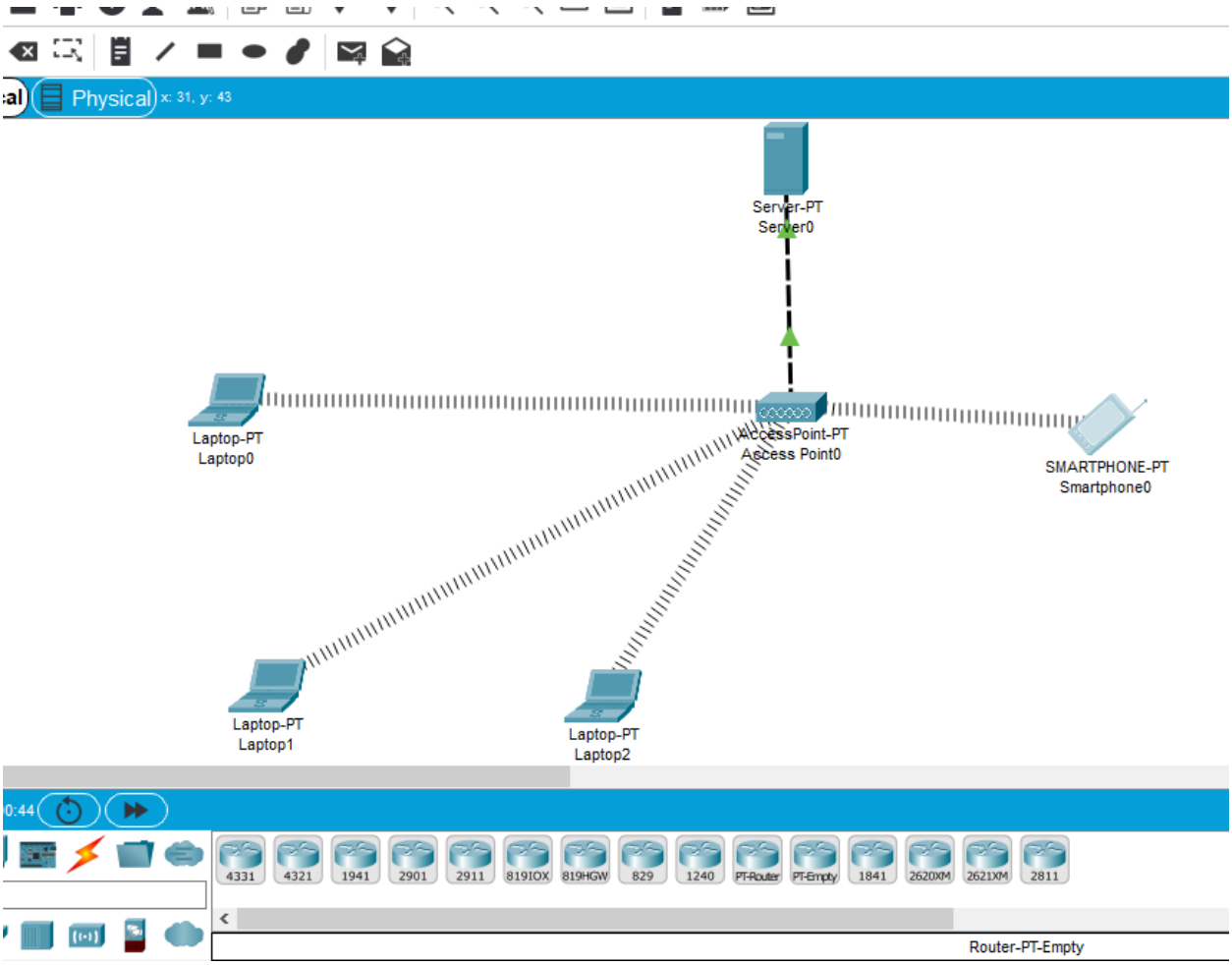
Roll no 20P-0646

Course: Computer Network LAB

LAB 7 TASKS

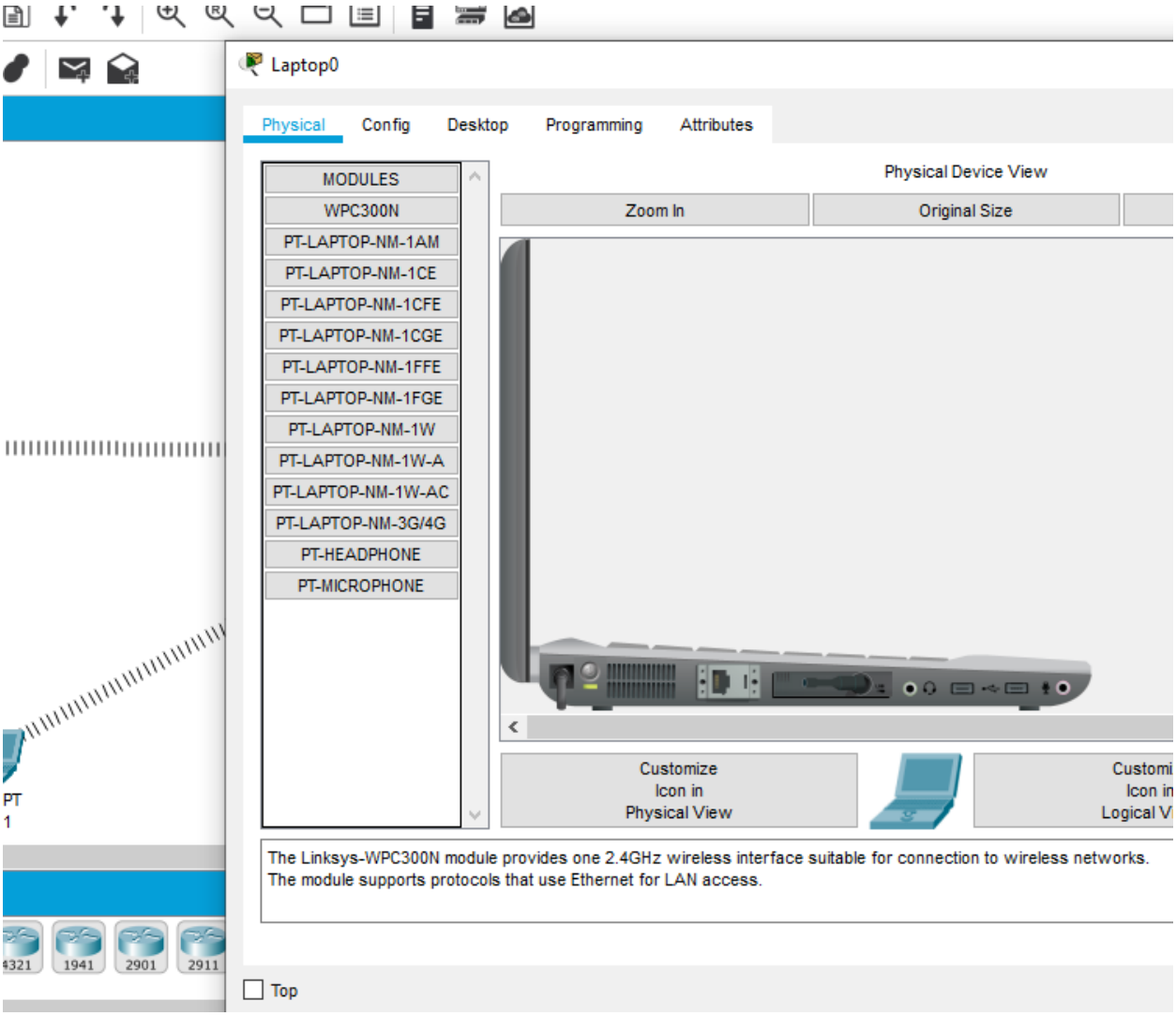
Submitted to Miss Hurmat Hidayat

TASK



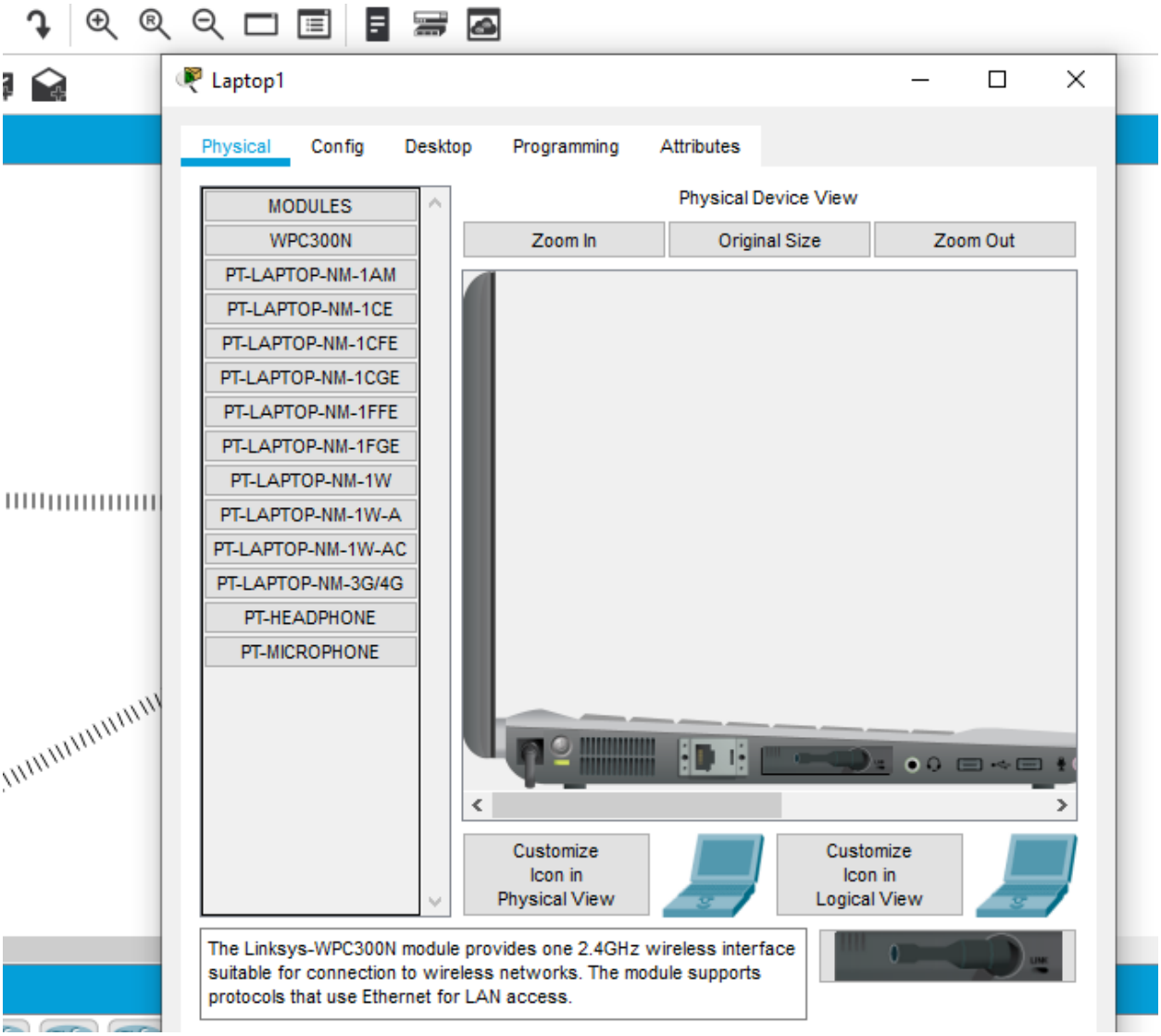
Description:

We have made a topology to that consist of one wireless access point by using one server, three Laptops and one smartphone.



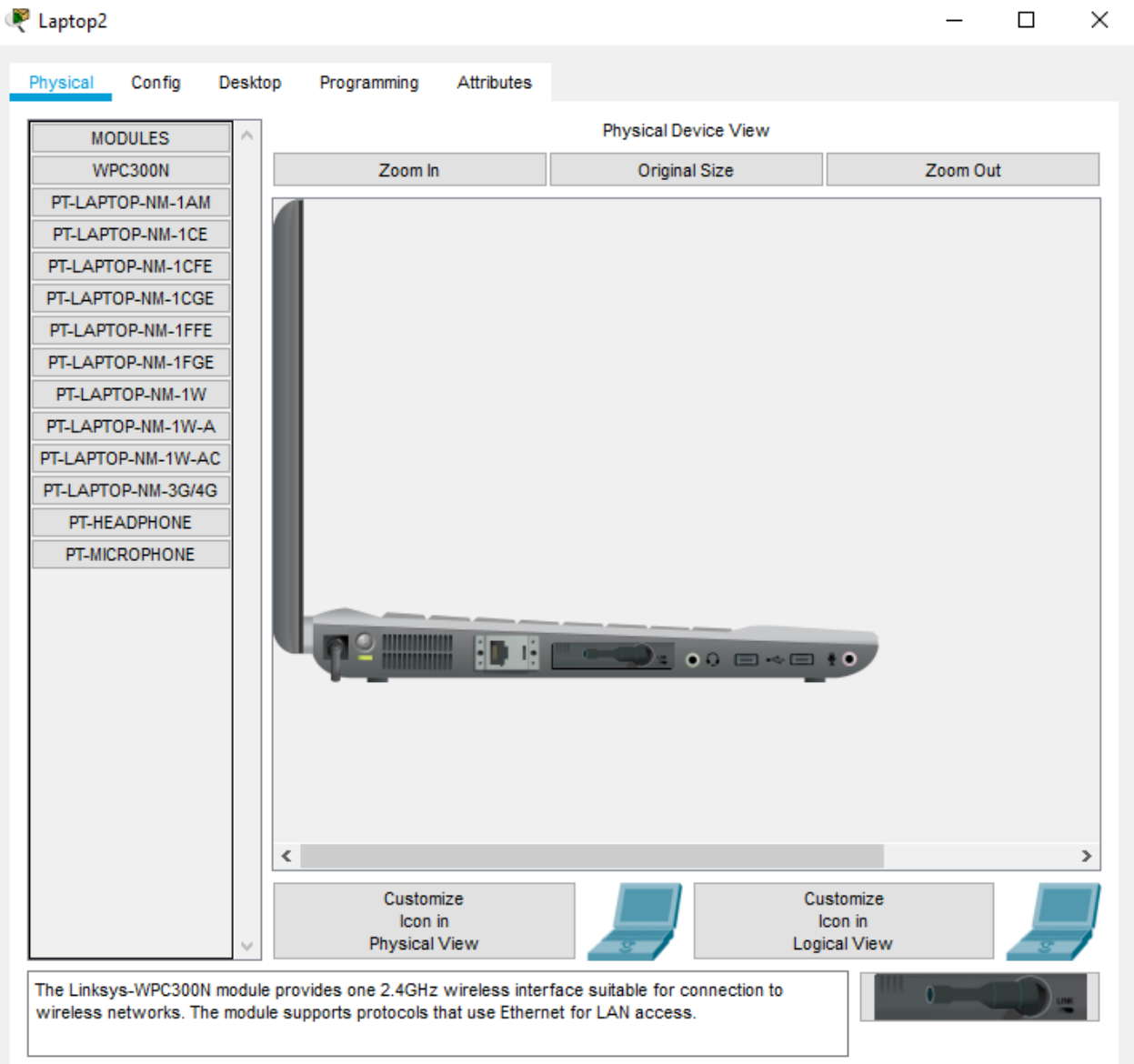
Description:

After that we have remove a card from laptop device and put the wireless internet card on Laptop.



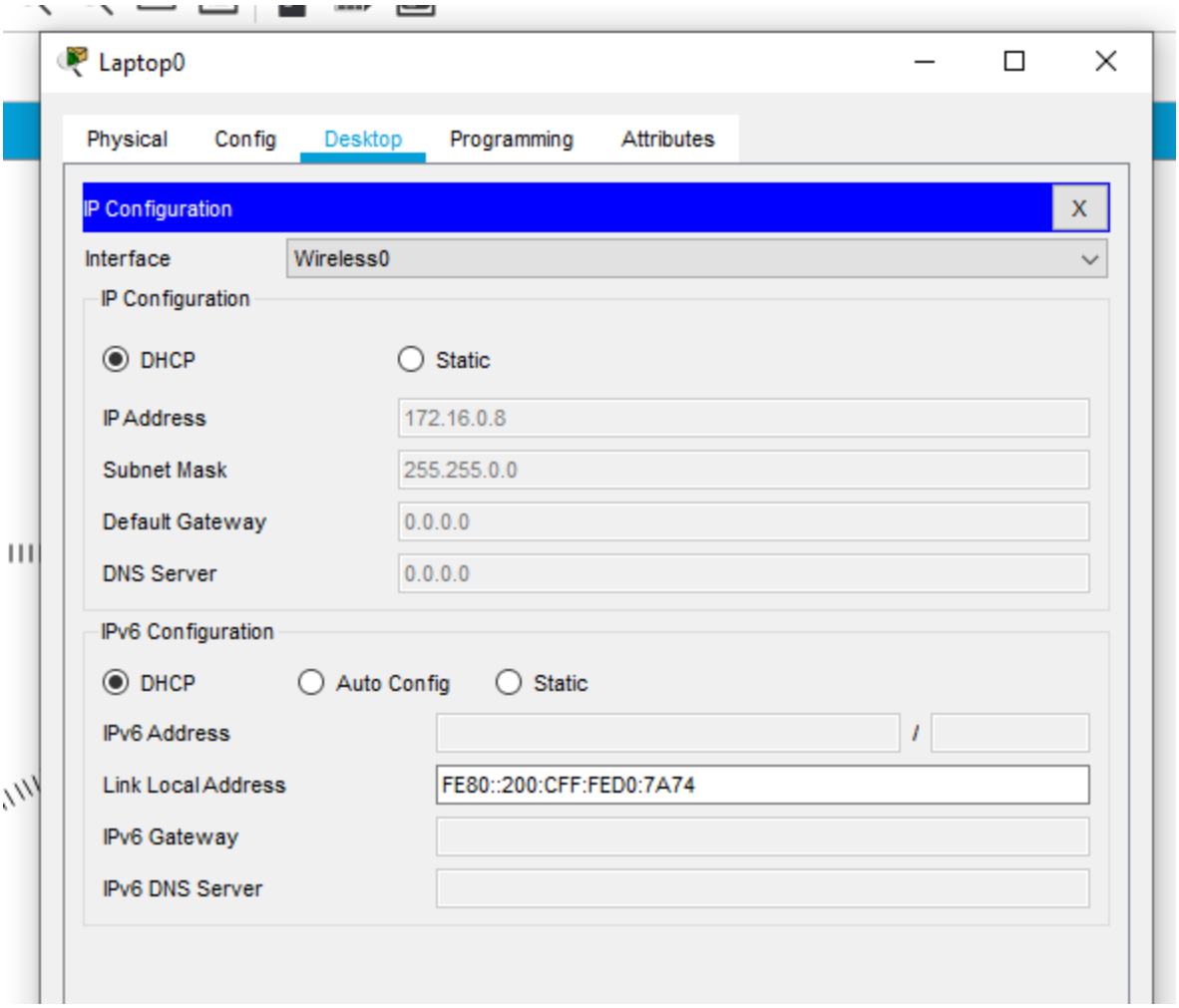
Description:

After that we have remove a card from laptop2 device and put the wireless internet card on Laptop.



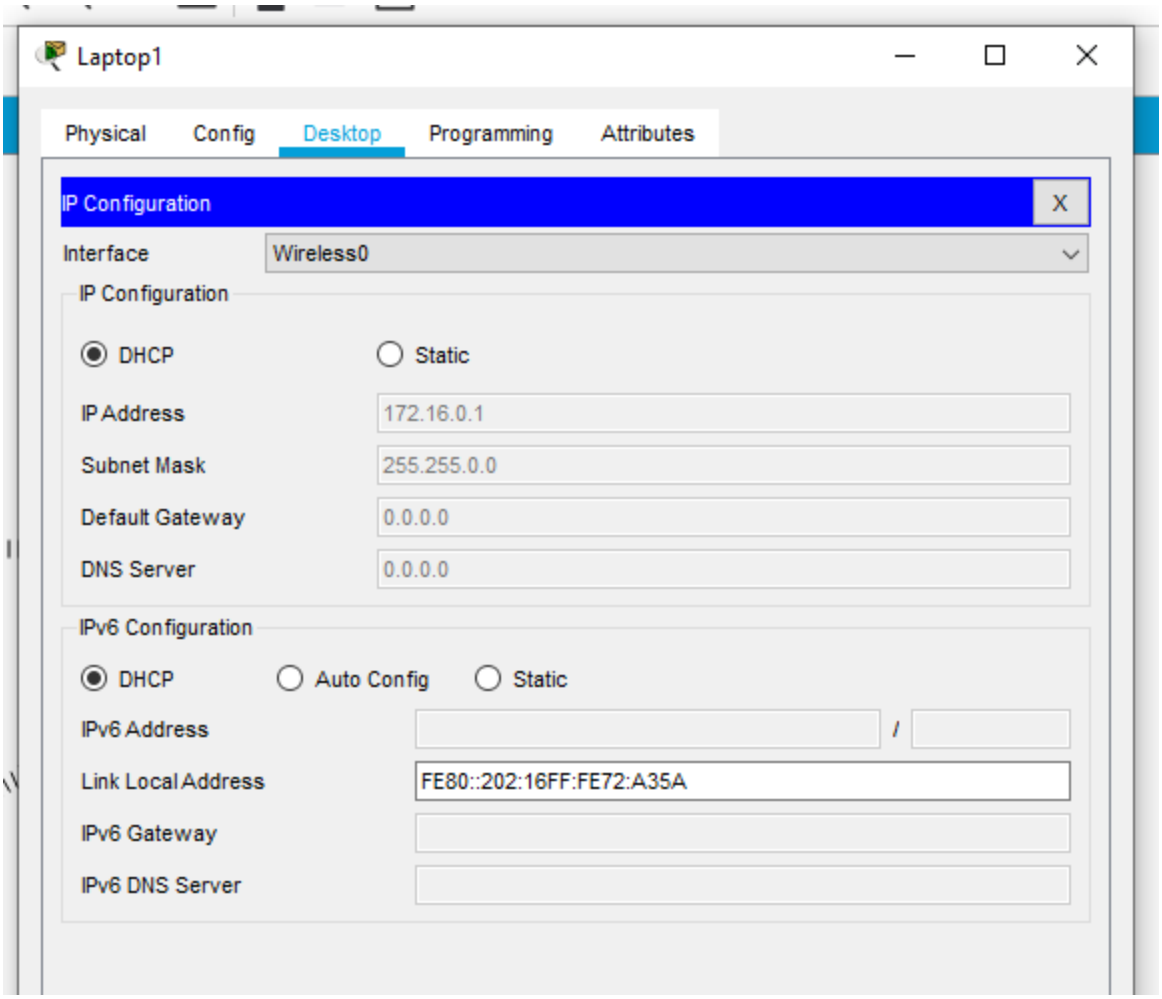
Description:

After that we have remove a card from laptop3 device and put the wireless internet card on Laptop.



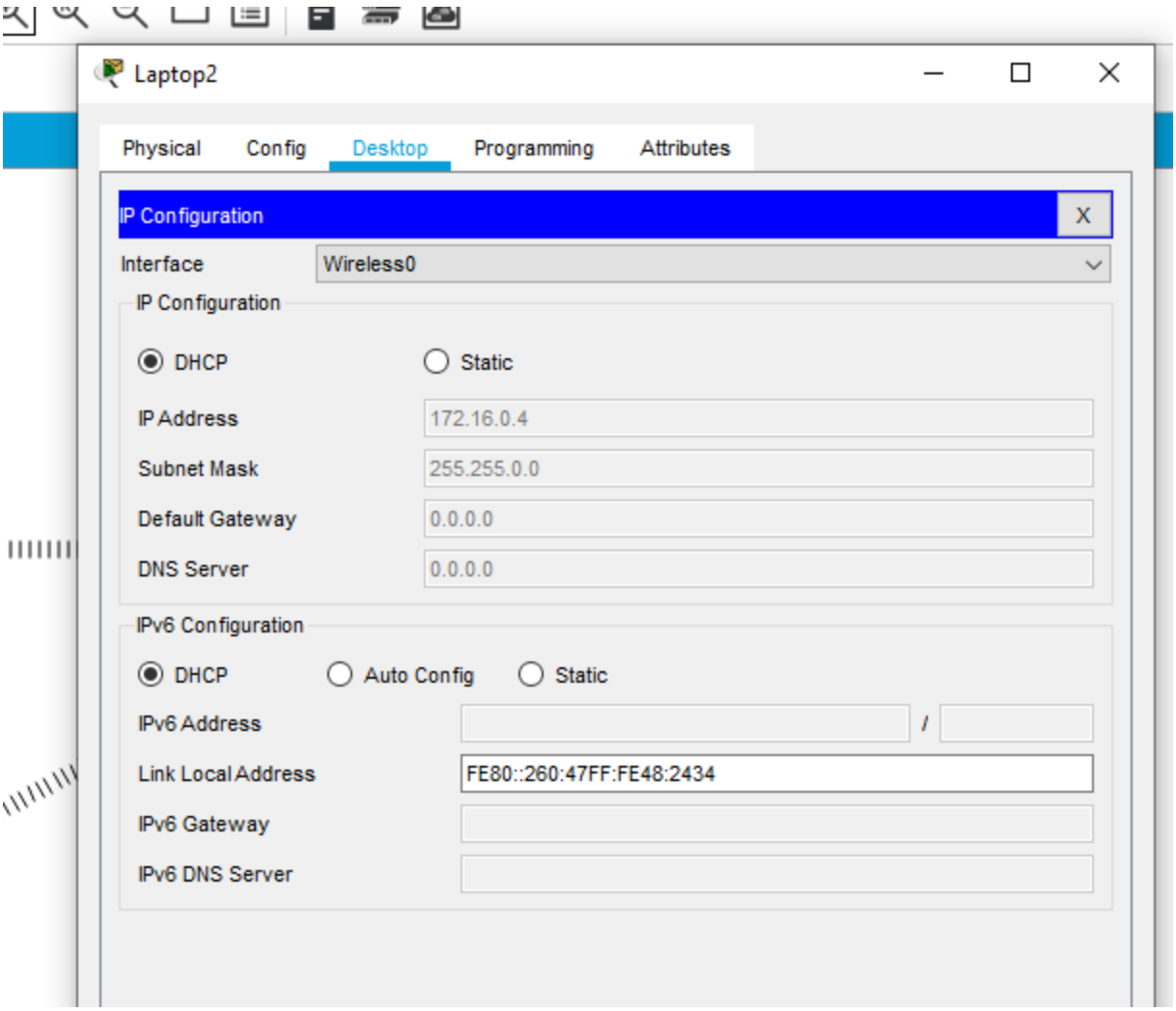
Description:

Afterthat, we have configure Laptops device by DHCP.



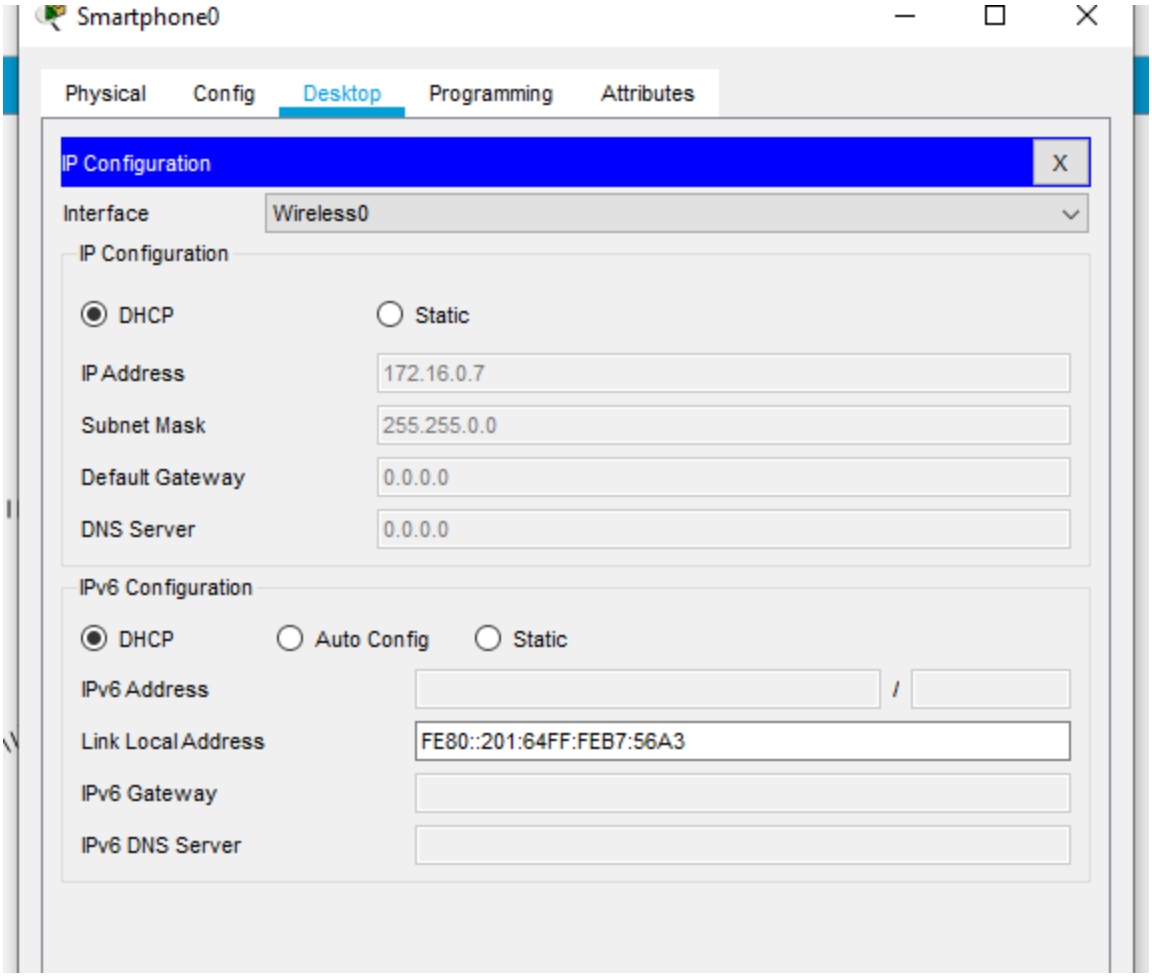
Description:

Afterthat, we have configure Laptop2 device by DHCP.



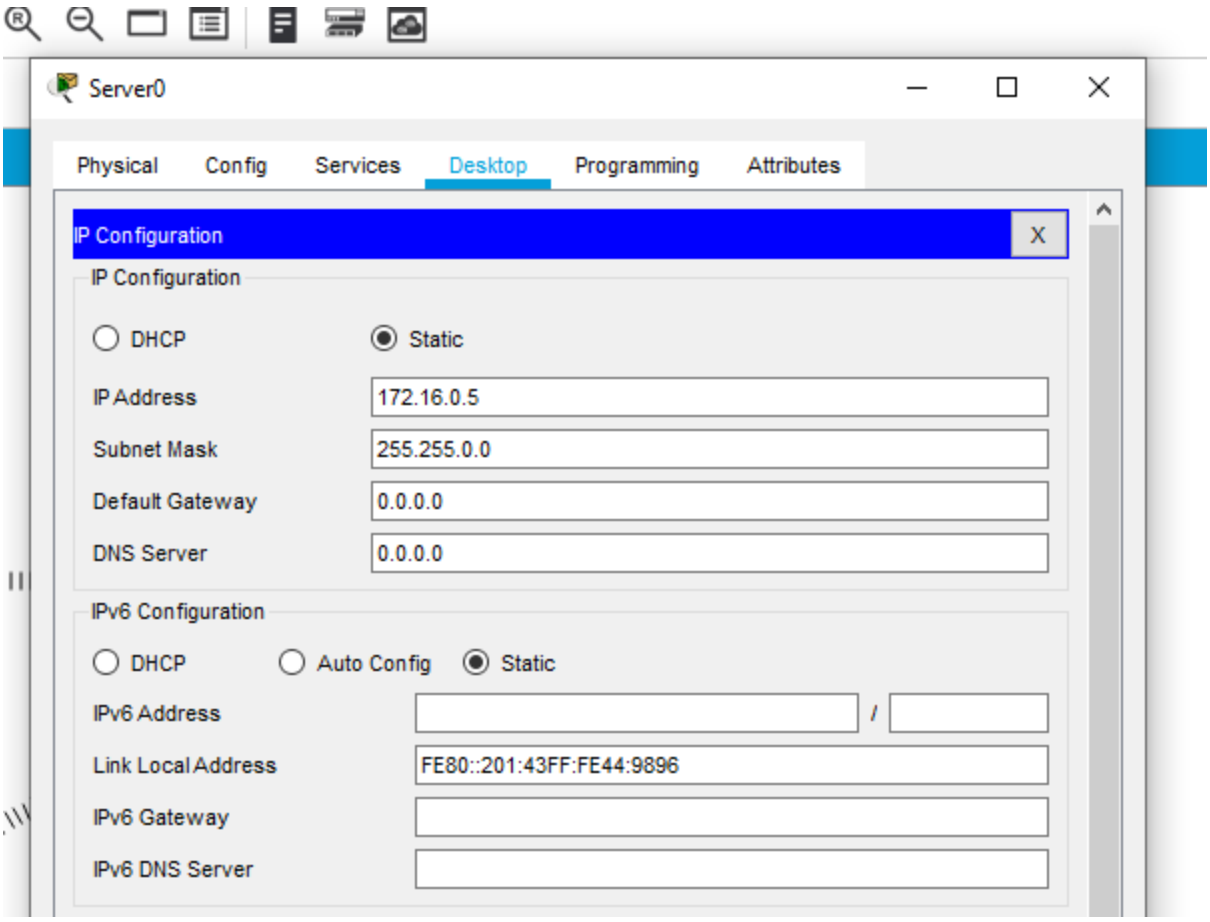
Description:

Afterthat, we have configure Laptops device by DHCP.



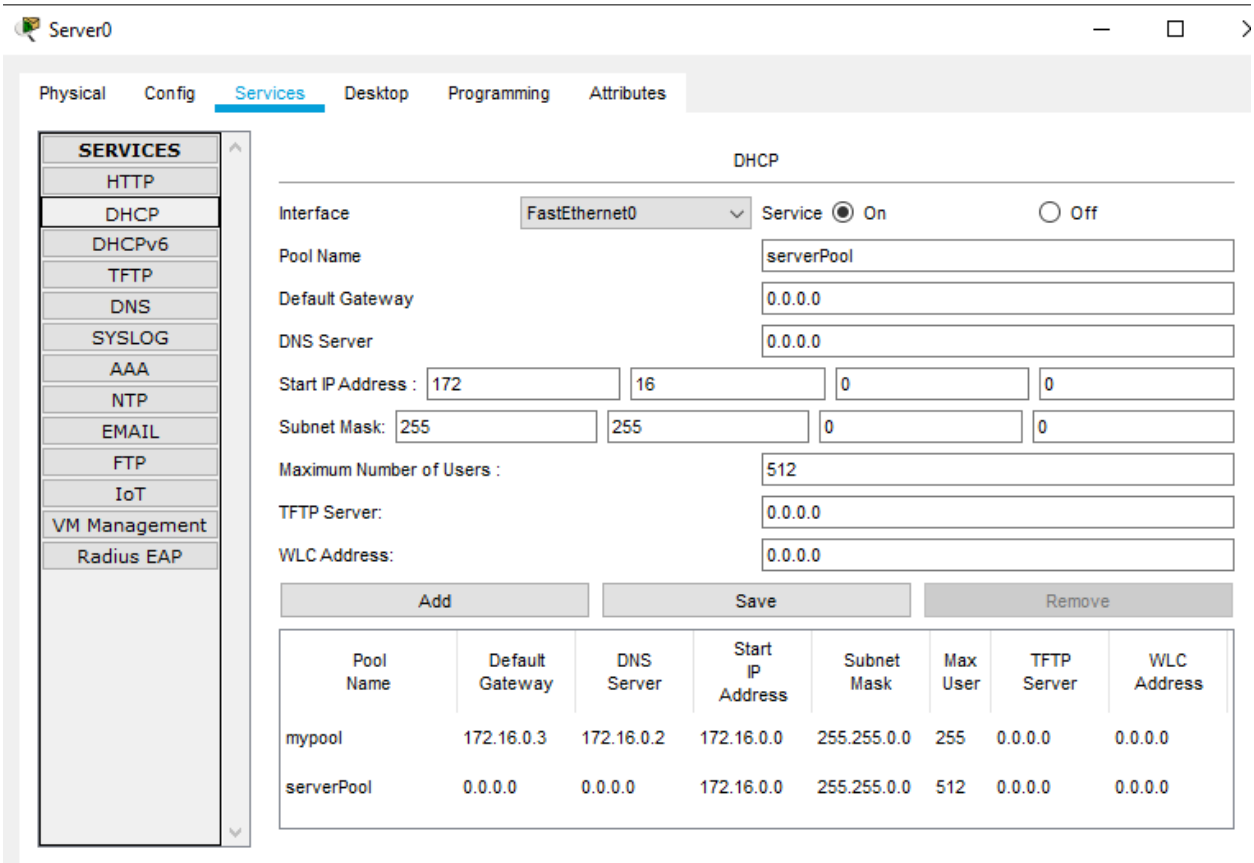
Description:

Afterthat, we have configure Smart Phone Device through DHCP.



Description:

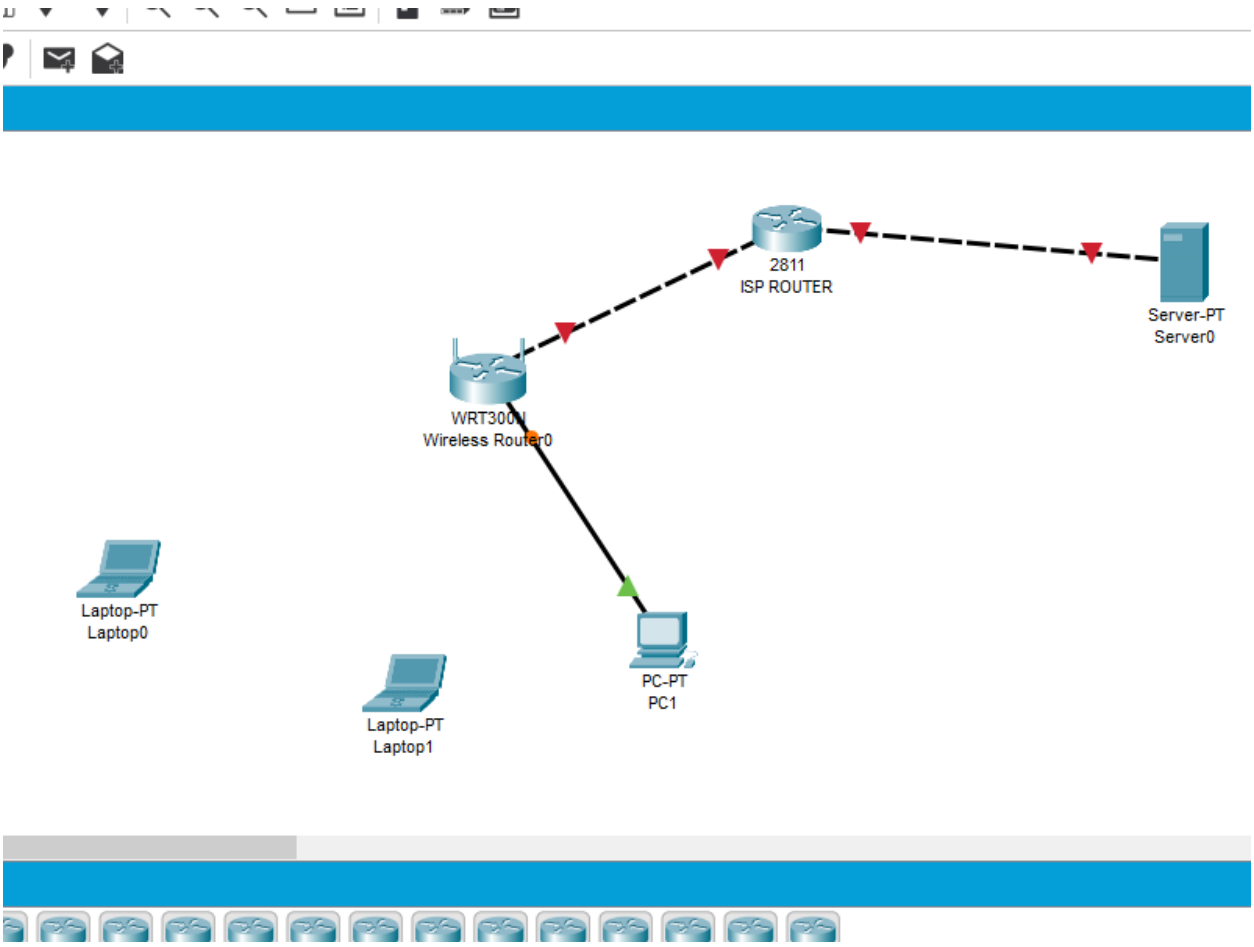
We have configure Server device by providing static IP's.



Description:

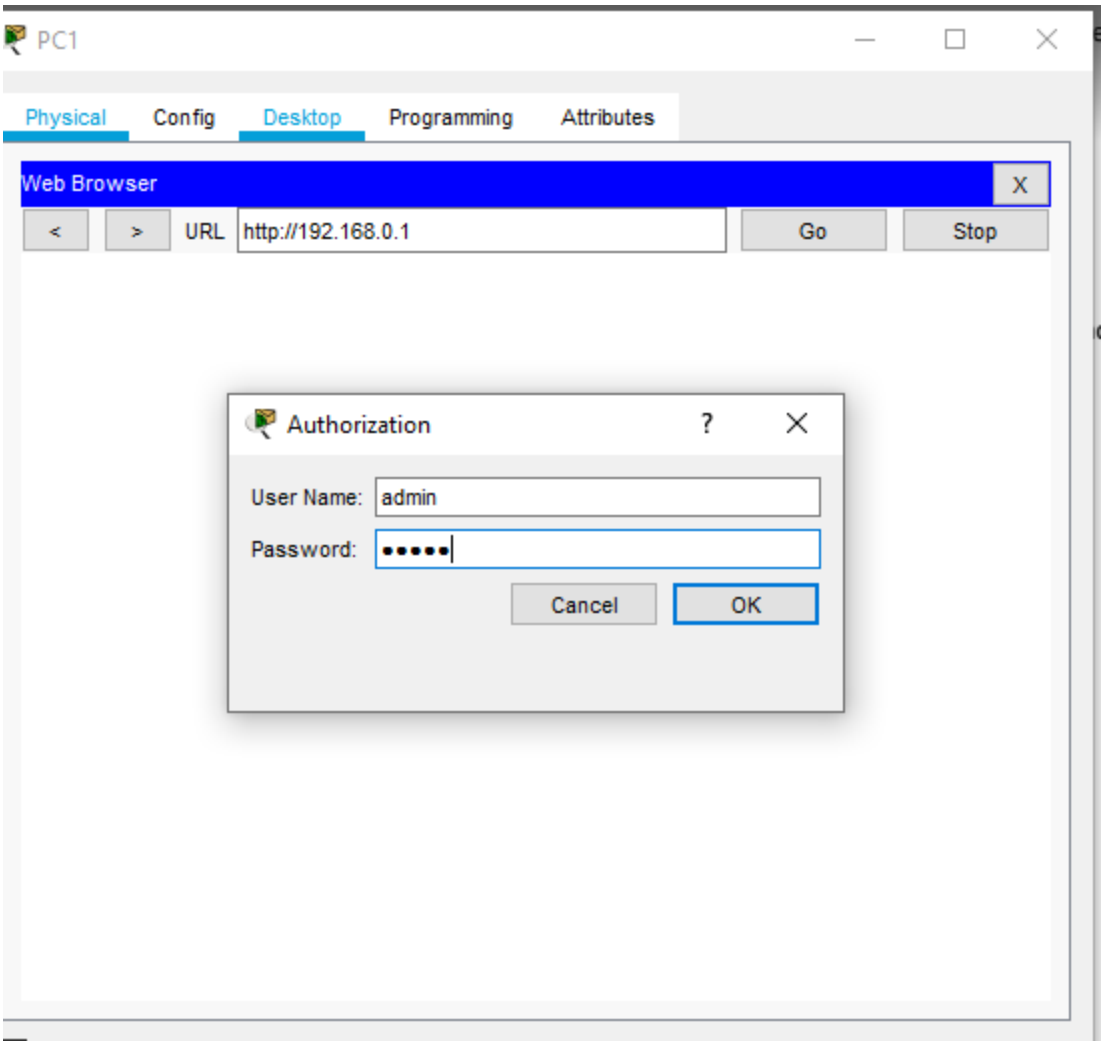
We have make a pool here for assigning the IP's in Devices.

TASK 2



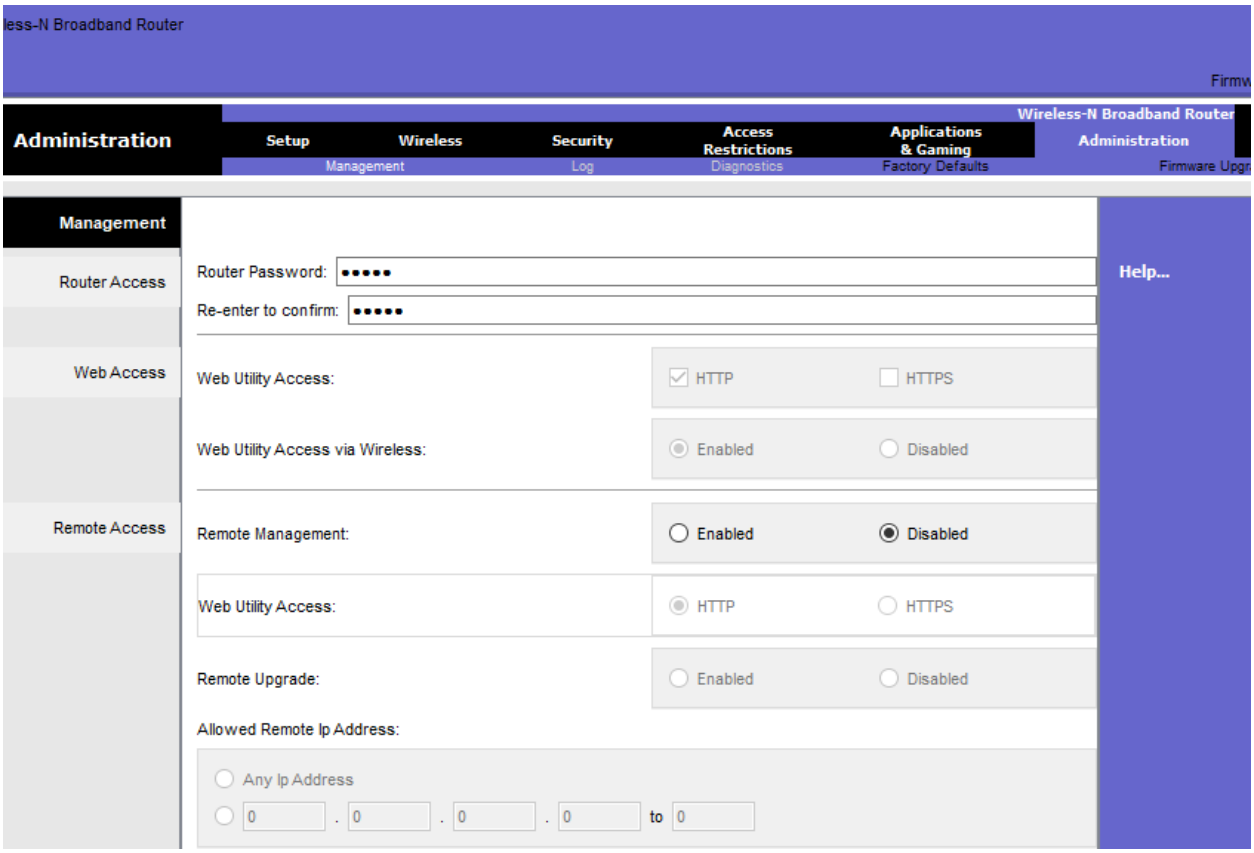
Description:

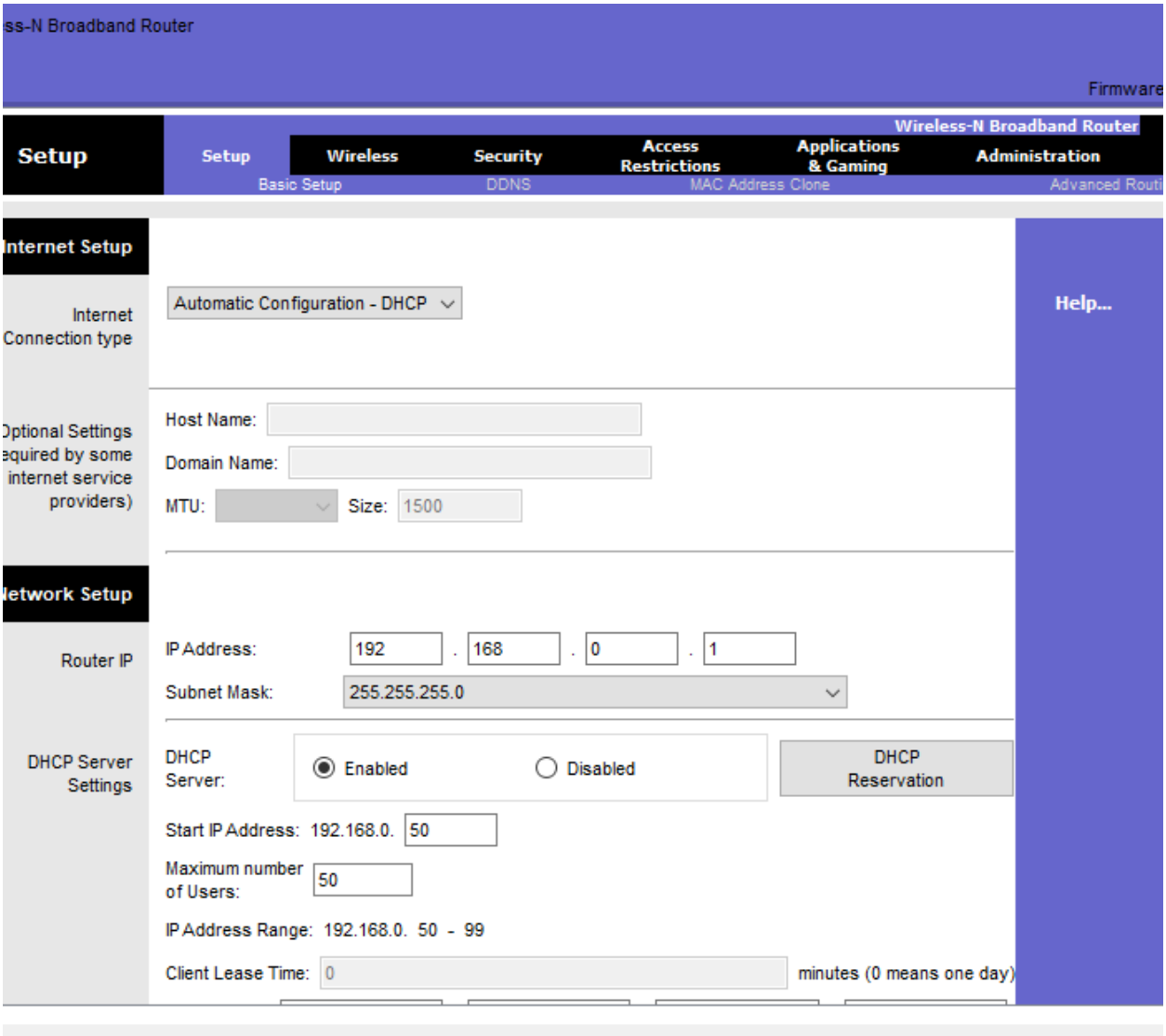
We have made a topology that consist of one wireless router, one ISP router and one server. There is one network which is connect to Wireless router. Now we want to connect device through WLAN.



Description:

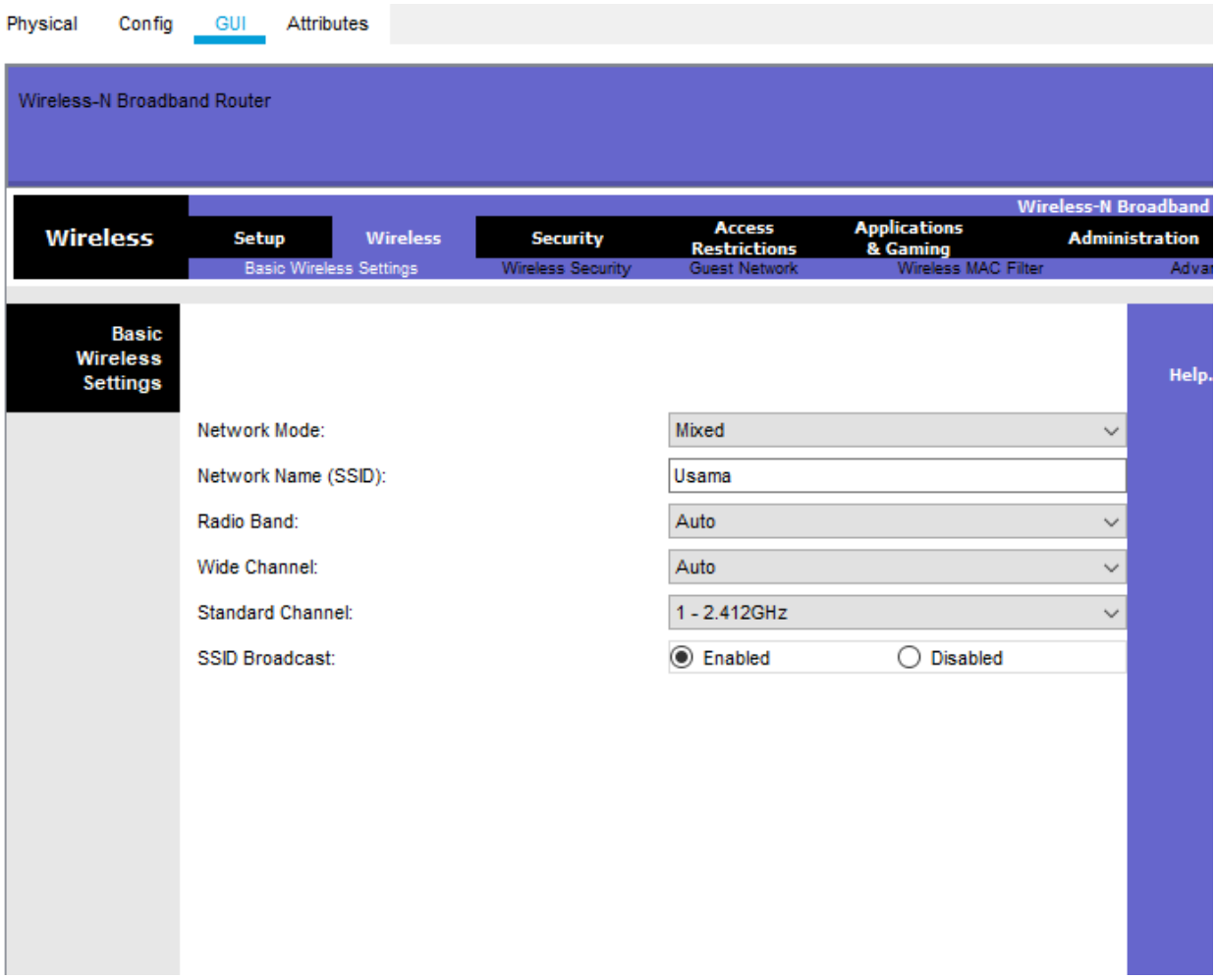
We have configure all devices first then we access web browser through PC0.


less-N Broadband Router
Firmw
Administration
Setup
Wireless
Security
Access Restrictions
Applications & Gaming
Wireless-N Broadband Router
Administration
Management
Log
Diagnostics
Factory Defaults
Firmware Upgr
Management
Router Access
Router Password:
Re-enter to confirm:
Web Access
Web Utility Access:
HTTP
HTTPS
Web Utility Access via Wireless:
Enabled
Disabled
Remote Access
Remote Management:
Enabled
Disabled
Web Utility Access:
HTTP
HTTPS
Remote Upgrade:
Enabled
Disabled
Allowed Remote Ip Address:
Any Ip Address
0 . 0 . 0 . 0 to 0
Help...



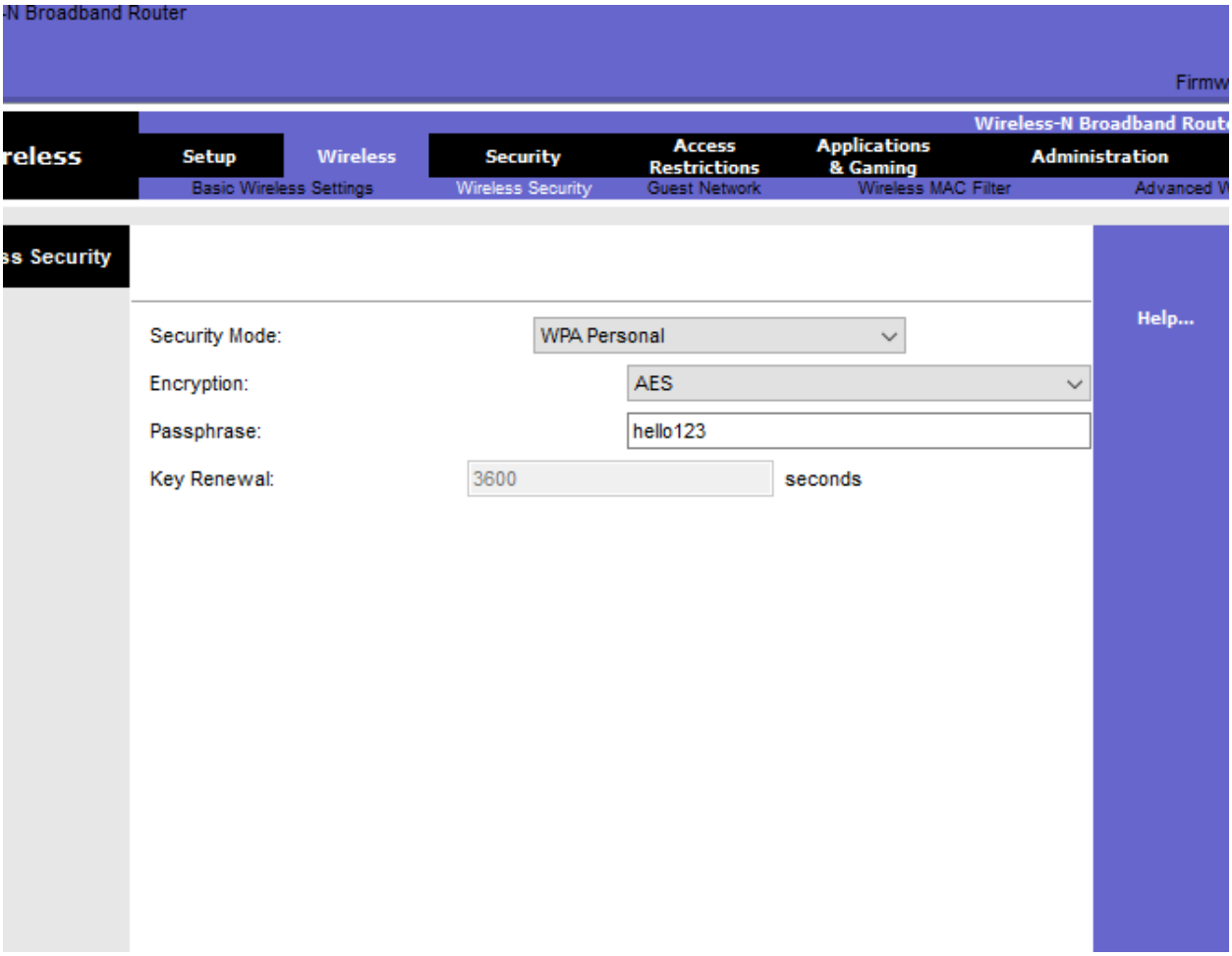
Description:

We have configure Wireless Router to assigning the IP's through DHCP, that is called automatic configuration.



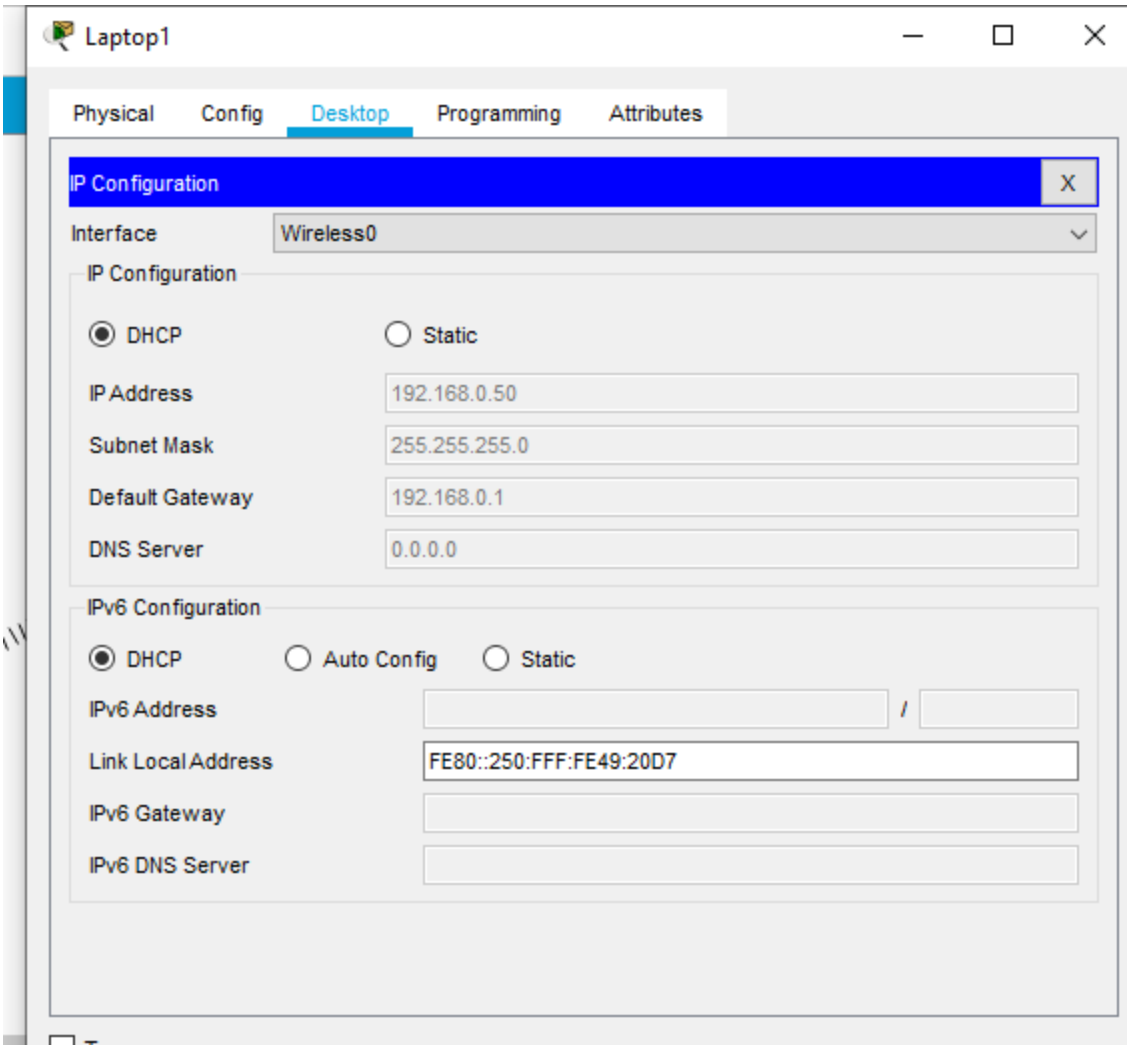
Description:

We have make a network name here which is shown in our device while we are accessing it.



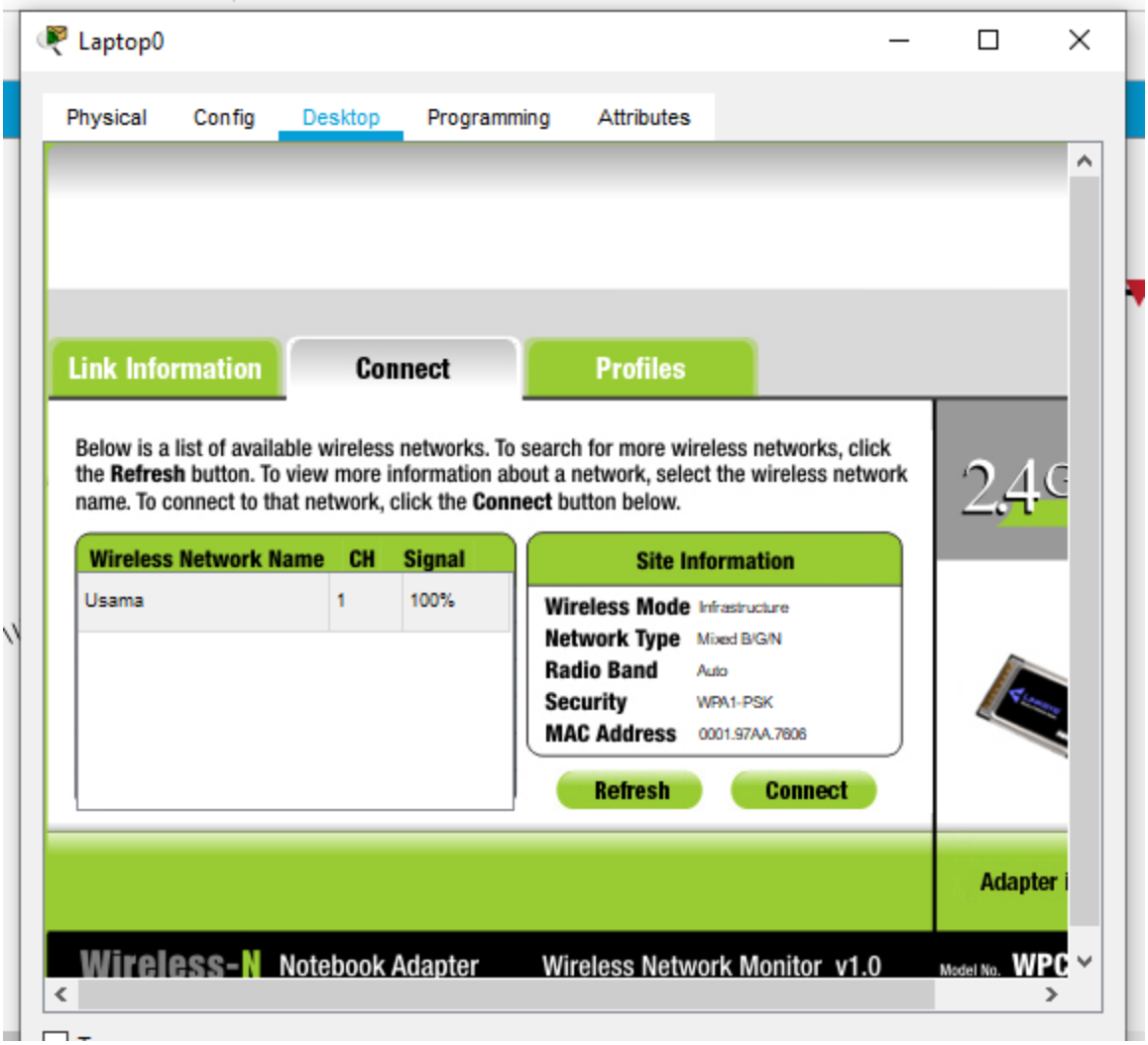
Description:

We have set a network password here by using AES encryption which is require while we want to use this network.



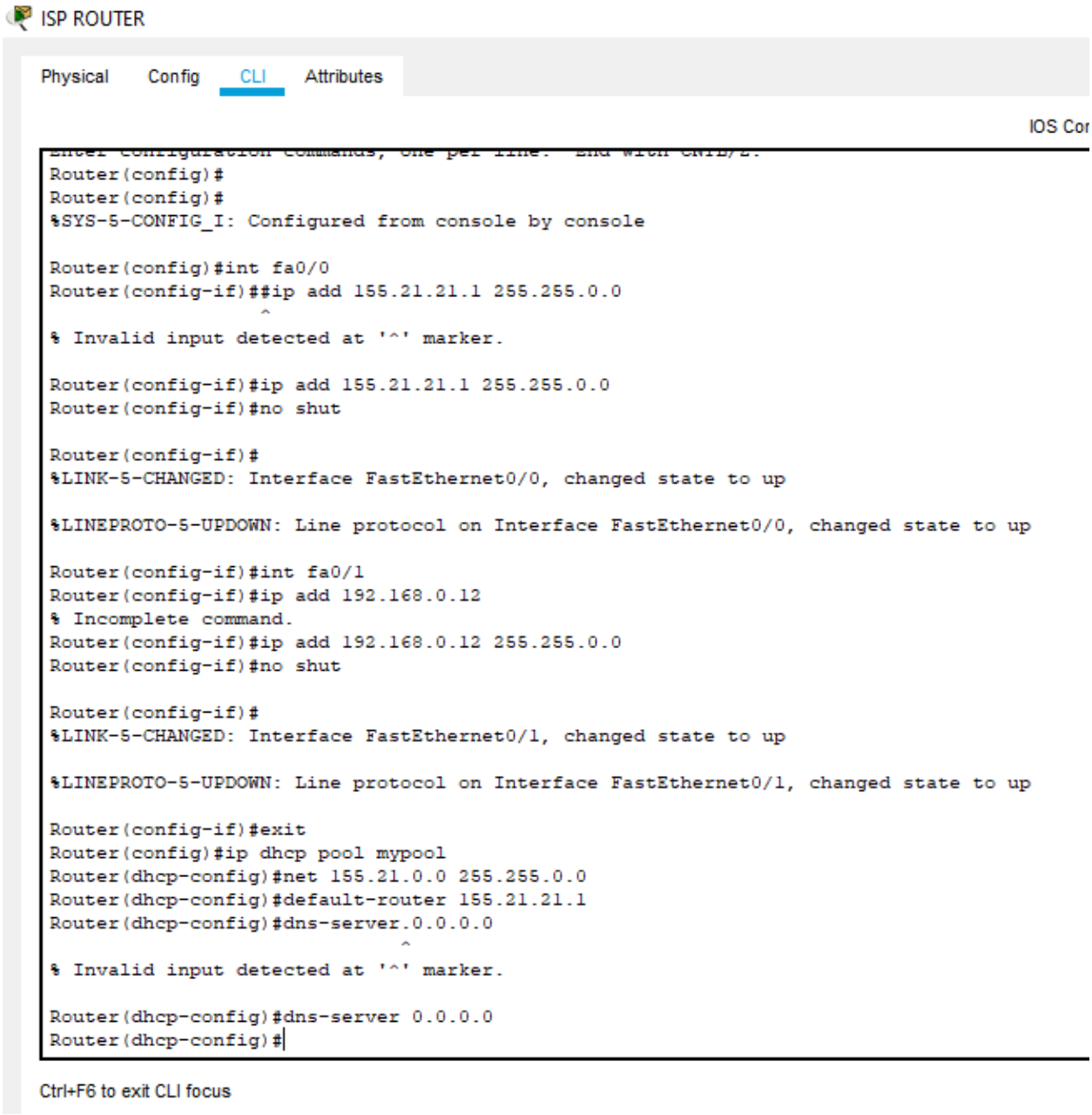
Description:

Assigning IP to Laptop 01 through DHCP.



Description:

Now we are connect our device to wireless network by providing same password.



Description:

This is the configuration of ISP Router.

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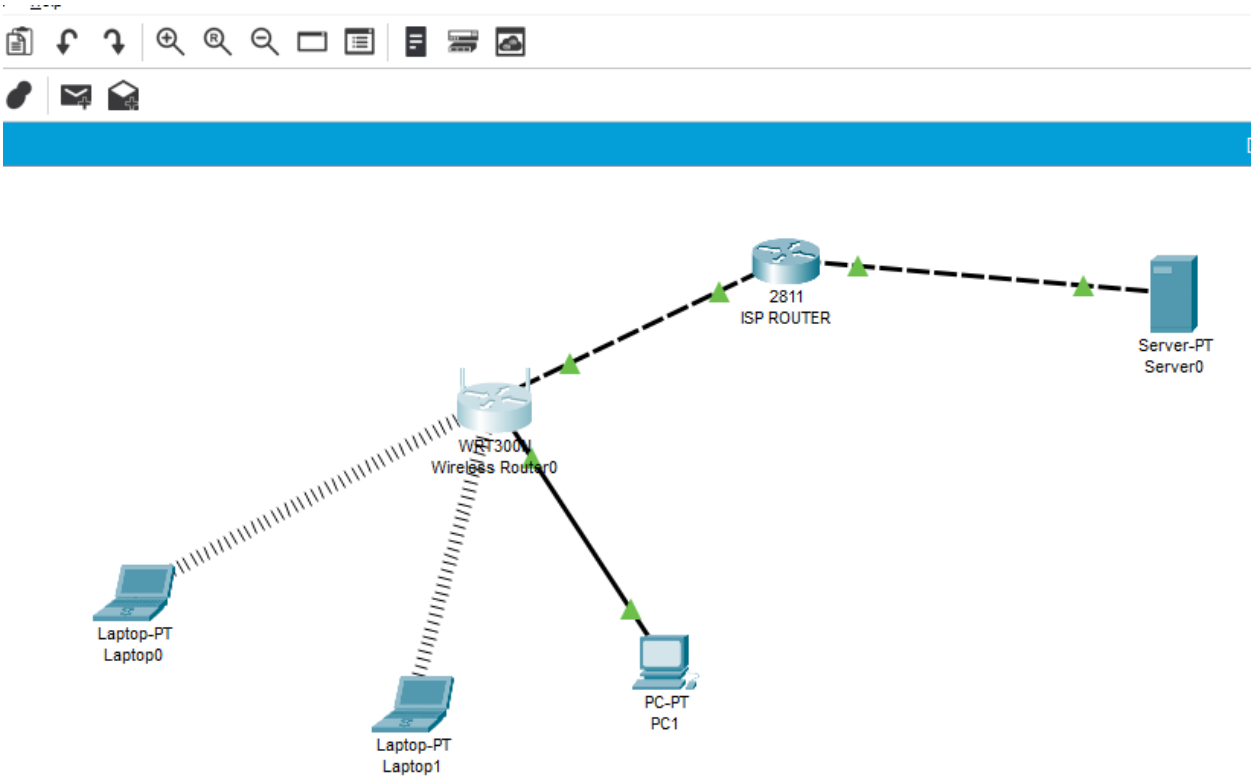

Description:

After configuration our Topology look like this.