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Sec: 5A

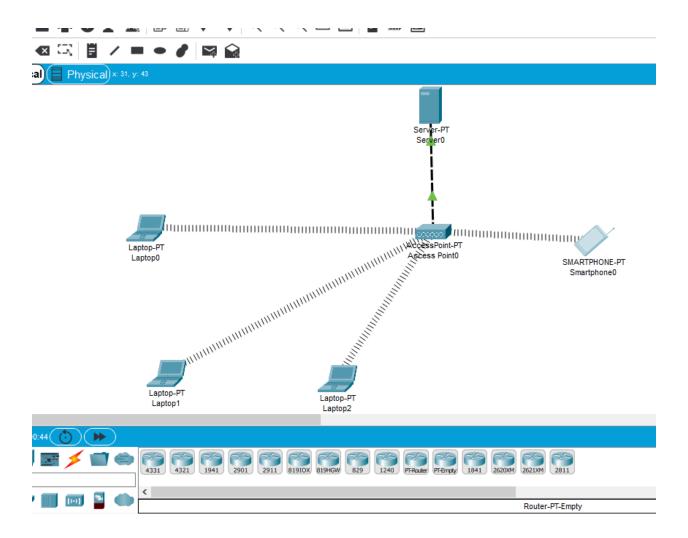
Roll no 20P-0646

Course: Computer Network LAB

LAB 7 TASKS

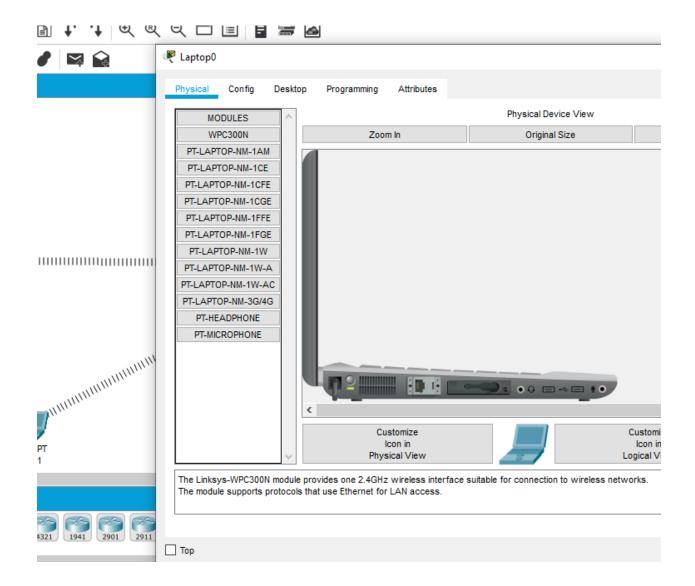
Submitted to Miss Hurmat Hidayat

TASK

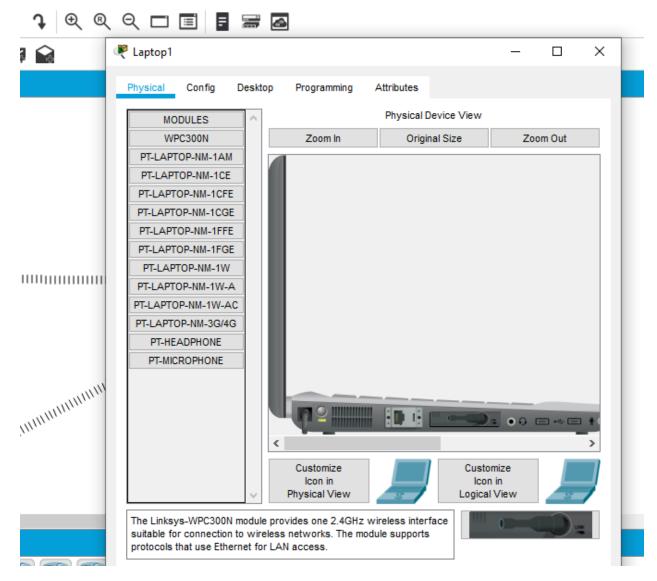


Description:

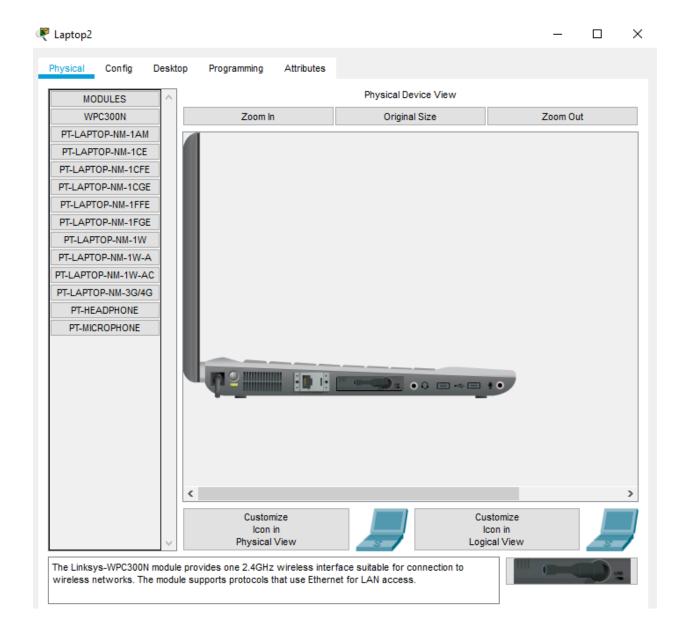
We have made a topology to that consist of one wireless access point by using one server, three Laptops and one smartphone.



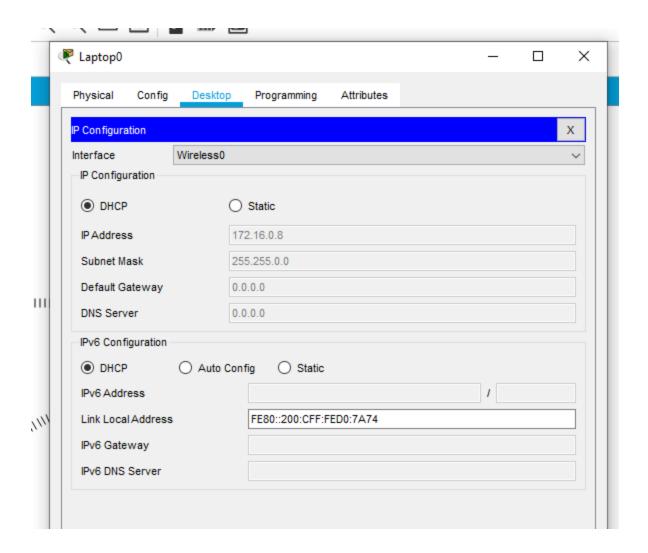
After that we have remove a card from laptop device and put the wireless internet card on Laptop.



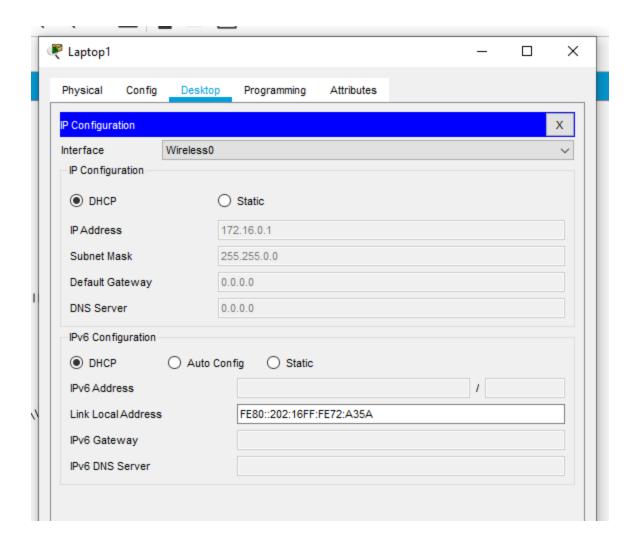
After that we have remove a card from laptop2 device and put the wireless internet card on Laptop.



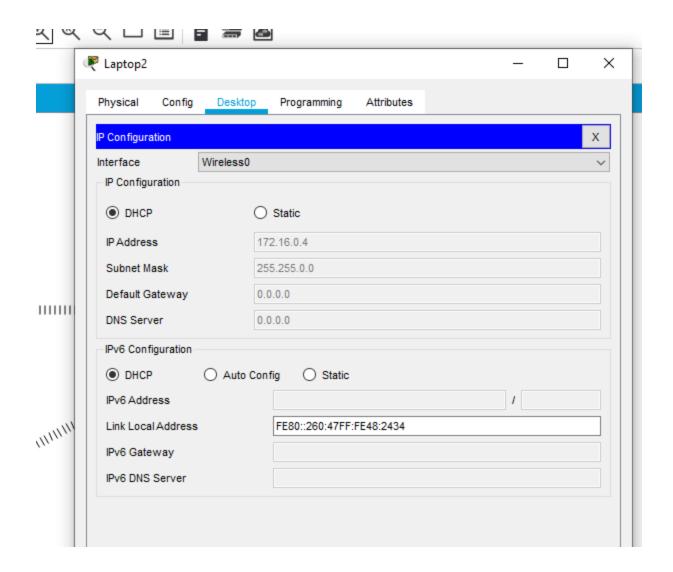
After that we have remove a card from laptop3 device and put the wireless internet card on Laptop.



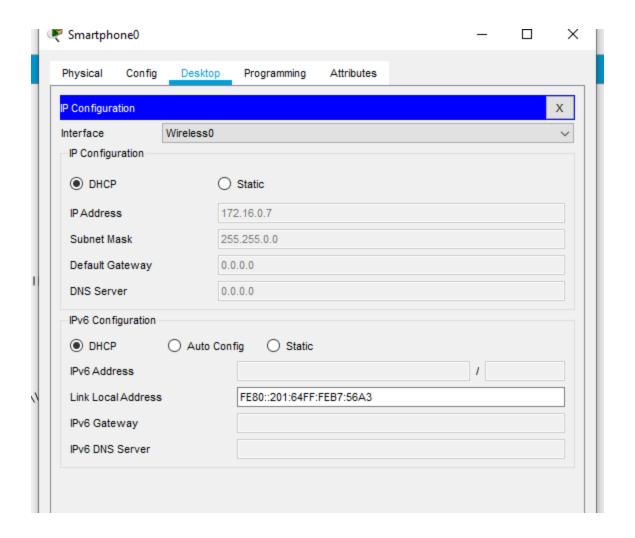
Afterthat, we have configure Laptops device by DHCP.



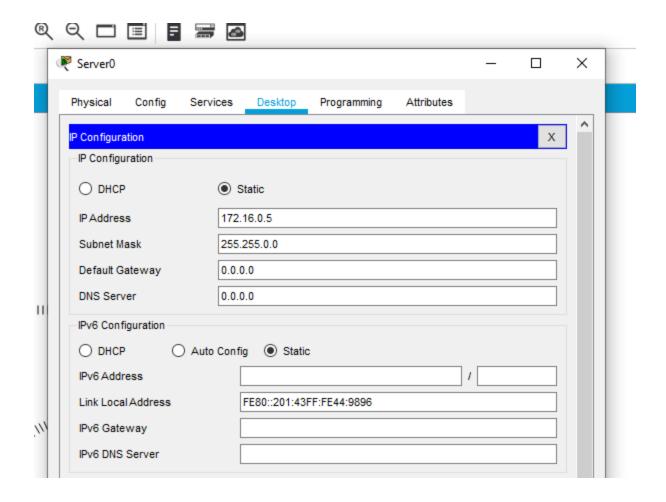
Afterthat, we have configure Laptop2 device by DHCP.



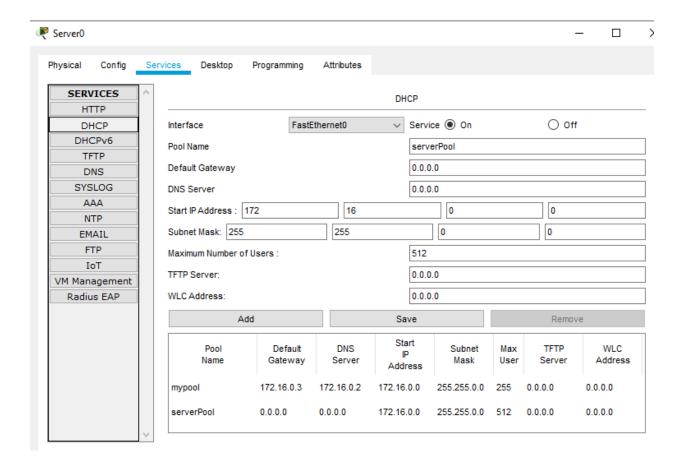
Afterthat, we have configure Laptops device by DHCP.



Afterthat, we have configure Smart Phone Device through DHCP.

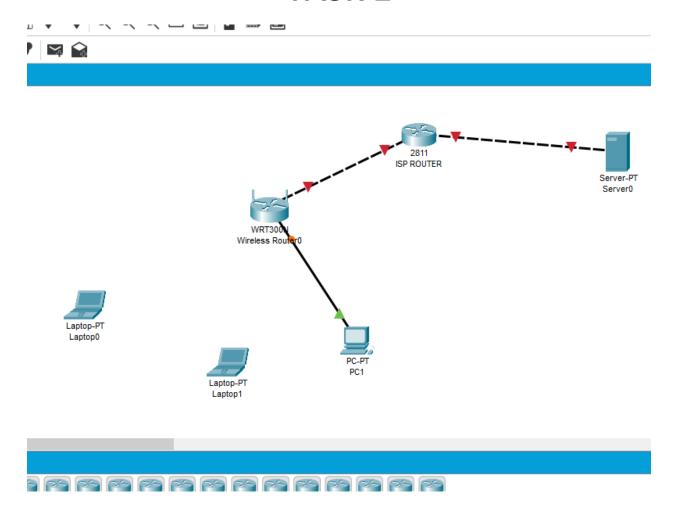


We have configure Server device by providing static IP's.



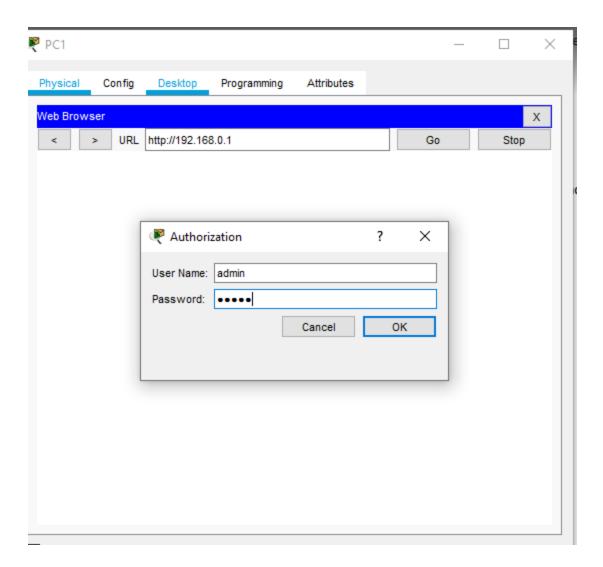
We have make a pool here for assigning the IP's in Devices.

TASK 2



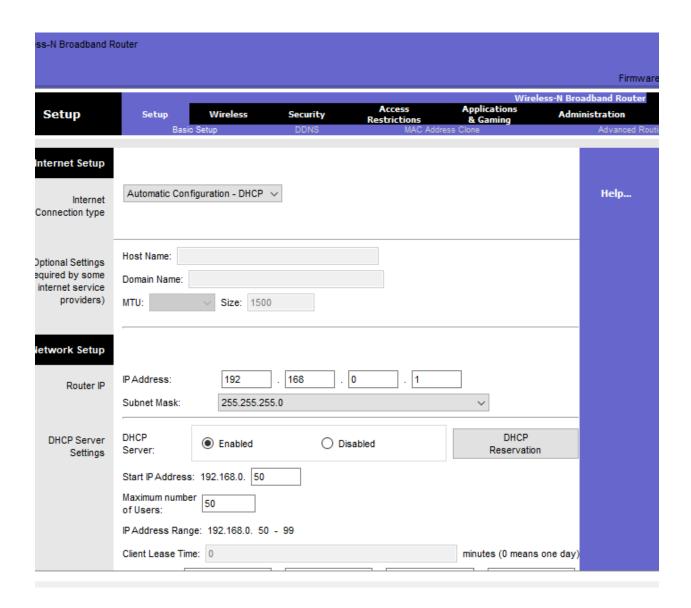
Description:

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.

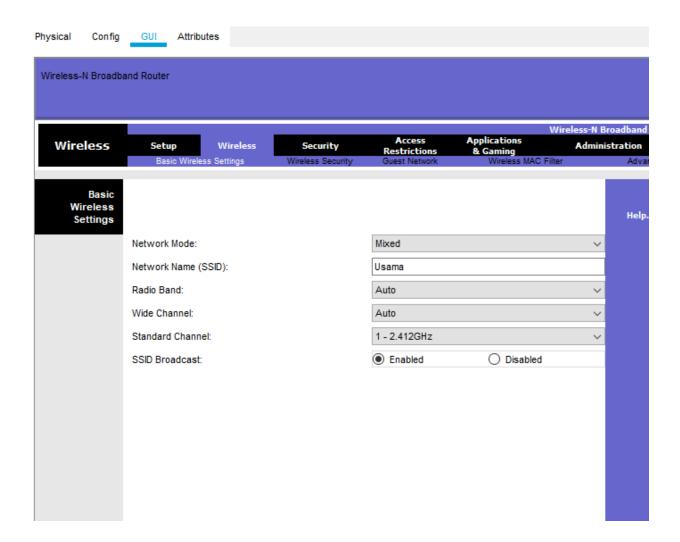


We have configure all devices first then we access web browser through PCO.

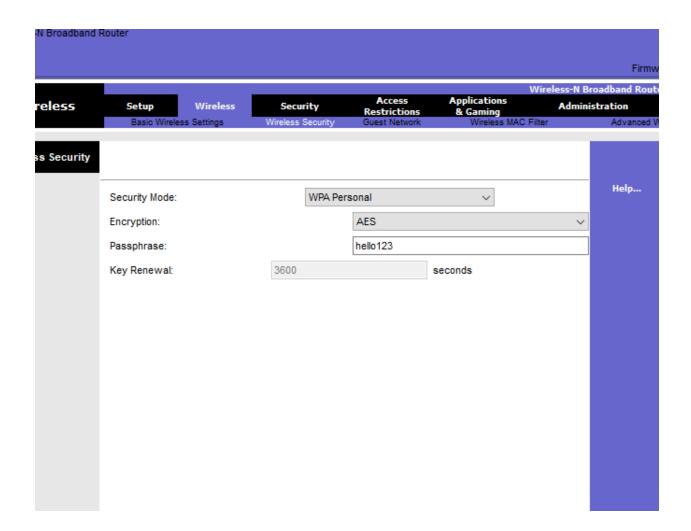
less-N Broadband Router						
						Firm
Administration	Setup Mana	Wireless agement	Security Log	Access Restrictions Diagnostics	W Applications & Gaming Factory Defaults	ireless-N Broadband Router Administration Firmware Upg
Management						
Router Access	Router Password:					Help
Web Access	Web Utility Access:			✓ HTTP	HTTPS	
	Web Utility Access via	Wireless:		Enabled	O Disabled	
Remote Access	Remote Management:			O Enabled	Disabled	
	Web Utility Access:			⊚ нттр	O HTTPS	
	Remote Upgrade:			Enabled	O Disabled	
	Allowed Remote lp Address:					
	O Any Ip Address		. 0	to 0		



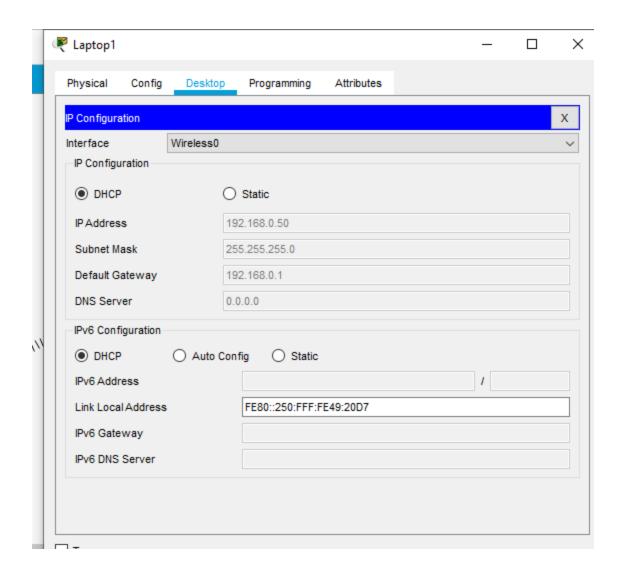
We have configure Wireless Router to assigning the IP's through DHCP, that is called automatic configuration.



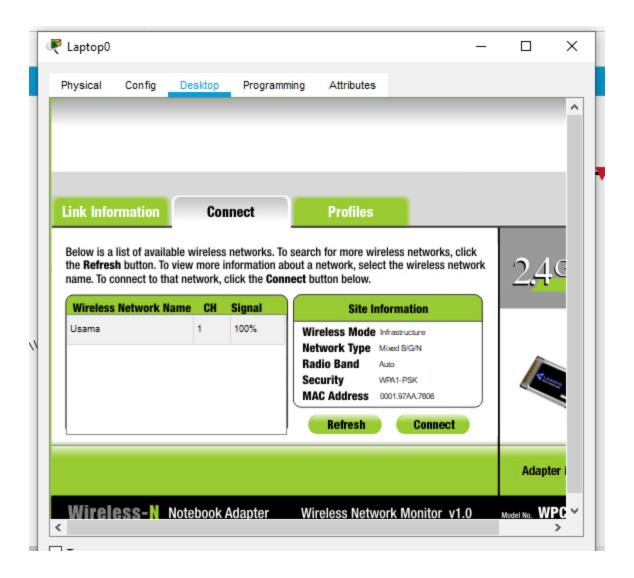
We have make a network name here which is shown in our device while we are accessing it.



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



Assigning IP to Laptop 01 through DHCP.



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



```
Physical
       Config CLI Attributes
                                                                                       IOS Cor
Router(config)#
Router(config)#
%SYS-5-CONFIG_I: Configured from console by console
Router(config) #int fa0/0
Router(config-if)##ip add 155.21.21.1 255.255.0.0
% Invalid input detected at '^' marker.
Router(config-if) #ip add 155.21.21.1 255.255.0.0
Router(config-if) #no shut
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if) #int fa0/1
Router(config-if) #ip add 192.168.0.12
 % Incomplete command.
Router(config-if) #ip add 192.168.0.12 255.255.0.0
Router(config-if) #no shut
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
Router(config-if)#exit
Router(config) #ip dhcp pool mypool
Router(dhcp-config) #net 155.21.0.0 255.255.0.0
Router(dhcp-config) #default-router 155.21.21.1
Router(dhcp-config) #dns-server.0.0.0.0
% Invalid input detected at '^' marker.
Router(dhcp-config) #dns-server 0.0.0.0
Router(dhcp-config)#
```

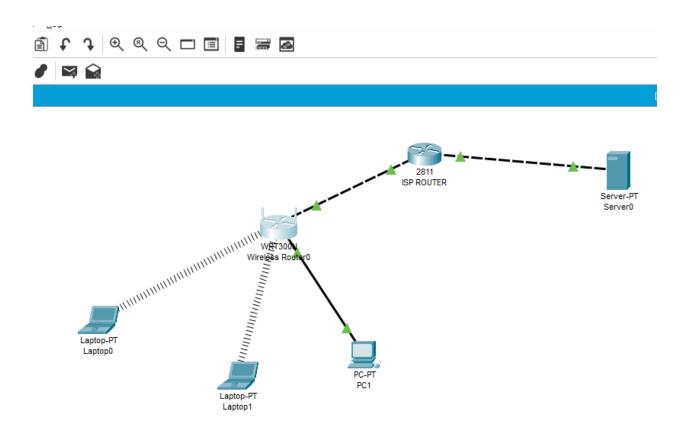
Ctrl+F6 to exit CLI focus

Description:

This is the configuration of ISP Router.

Description:

This is the configuration of ISP Router.



After configuration our Topology look like this.