Name – Bramha Nimbalkar

Roll no -7

Div – E

ASSIGNMENT 1

Straight through cable

A straight through cable is a type of twisted pair cable that is used in local area networks to connect a computer to a network hub such as a router. This type of cable is also sometimes called a patch cable and is an alternative to wireless connections where one or more computers access a router through a wireless signal.

Crossover cable

A crossover Ethernet cable is a type of Ethernet cable used to connect computing devices together directly. Unlike straight through cable, the RJ45 crossover cable uses two different wiring standards: one end uses the T568A wiring standard, and the other end uses the T568B wiring standard.

Straight Through Cable Color Code

EIT/TIA 568B			EIT/TIA 568B	
	White - Orange	White - Orange		
	Orange	Orange		
	White - Green	White - Green		
	Blue	Blue		
	White - Blue	White - Blue		
	Green	Green		
	White - Brown	White - Brown		
	Brown	Brown		

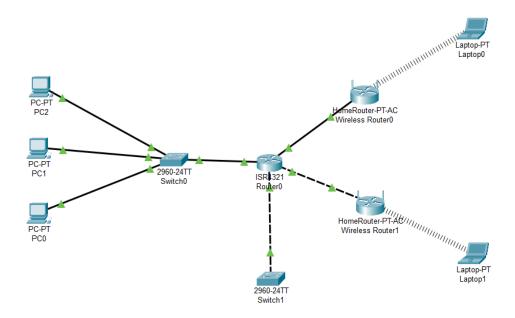
Connects Dissimilar Devices.

Crossover Ethernet Cable Color Code

EIT/TIA 568B			EIA/TIA 568A	
	White - Orange	White - Green		
	Orange	Green		
	White - Green	White - Orange		
	Blue	Blure		
	White - Blue	White - Blue		
	Green	Orange		
	White - Brown	White - Brown		
	Brown	Brown		

Used to connect 2 similar devices. PC – PC, switch - switch, Router – Router.

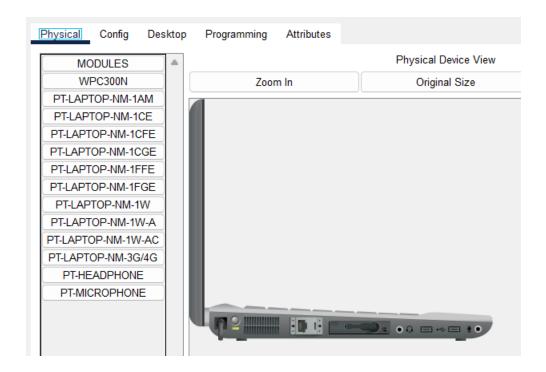
Network:



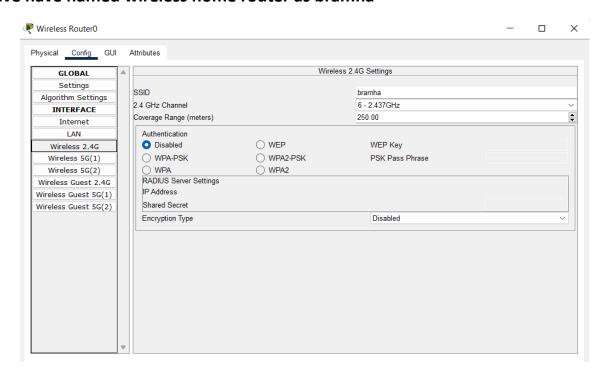
List of Devices:

- Switches -2
- Home router-2
- PC-3
- Laptop-2
- Router-1

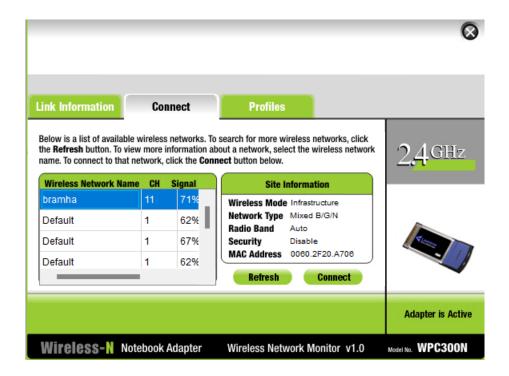
Before connecting to the wireless home router we have added WPC300N to the laptop for wireless connection



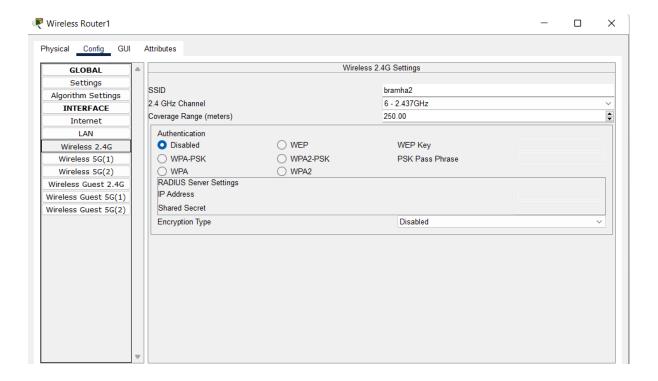
We have named wireless home router as bramha

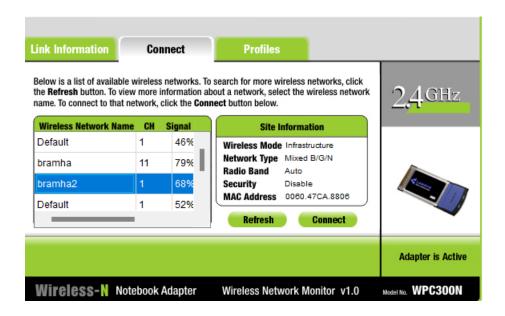


And connected the wireless home router with a laptop

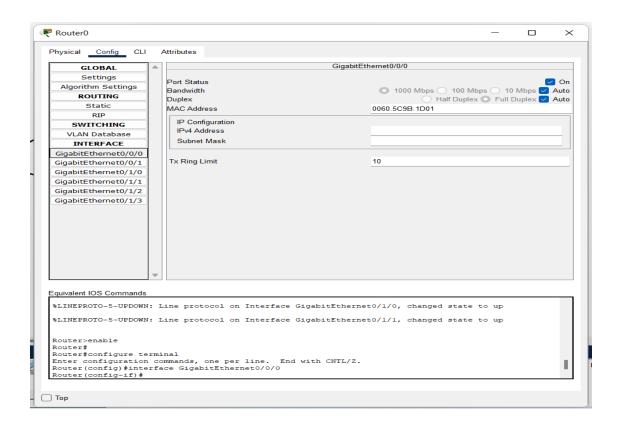


Similarly we have named another wireless home router as bramha2 and connected with the another laptop

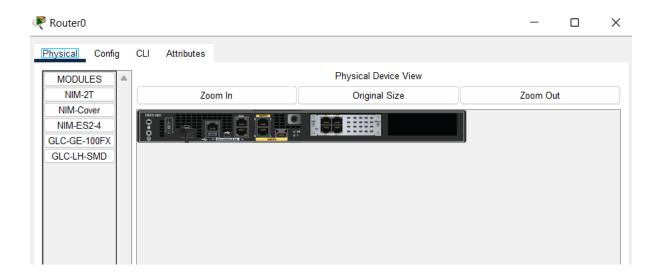




Router - ISR 4321 config



We have added NIM-ES2-4 in the router in order to get 4 more ports for connections .



Before turning ON the port, the connection was not established indicated by red color.

