Network Lab

Lech 2: LAN Network

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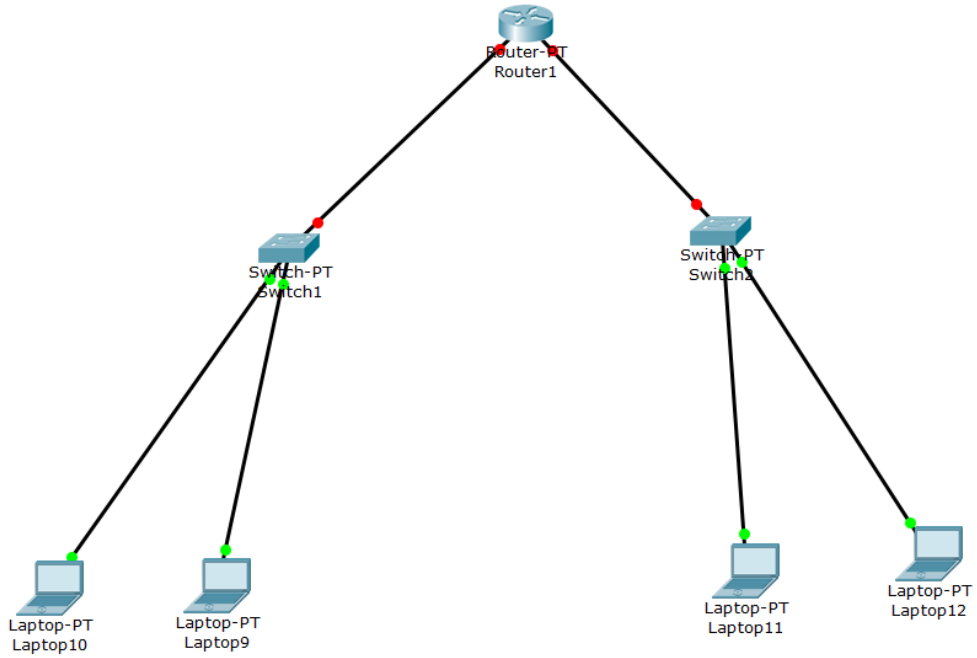
Router Configuration

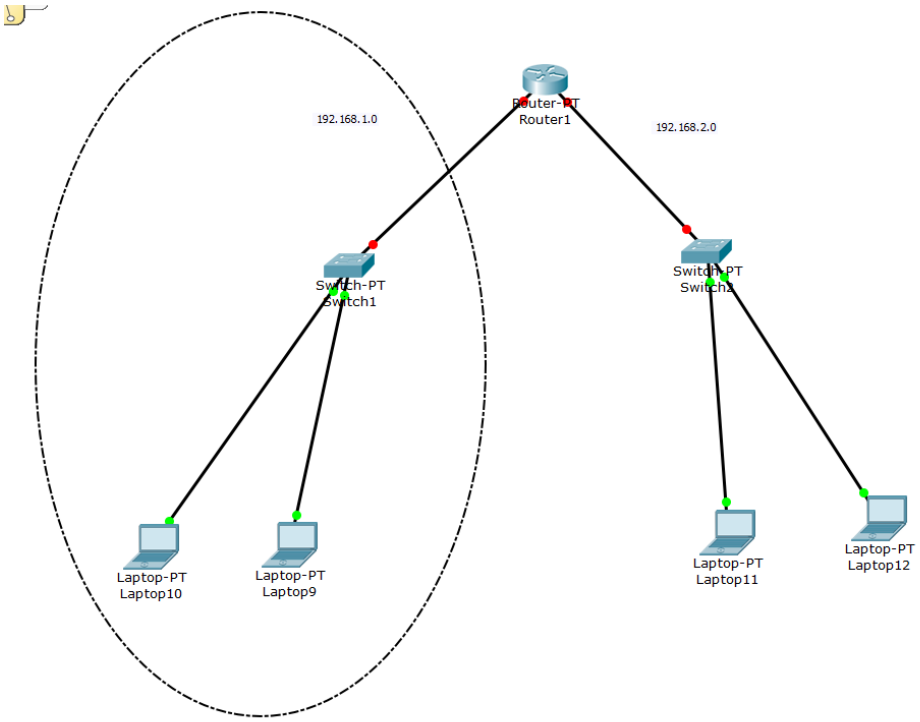
Step-1(Designed Network topology)

1. Connect FastEthernet0 port of Switch1 with FastEthernet0/0 port of Router1 using a copper straight-through cable. And connect each PC with switch
2. Connect FastEthernet0 port of Switch2 with FastEthernet0/1 port of Router1 using a copper straight-through cable.

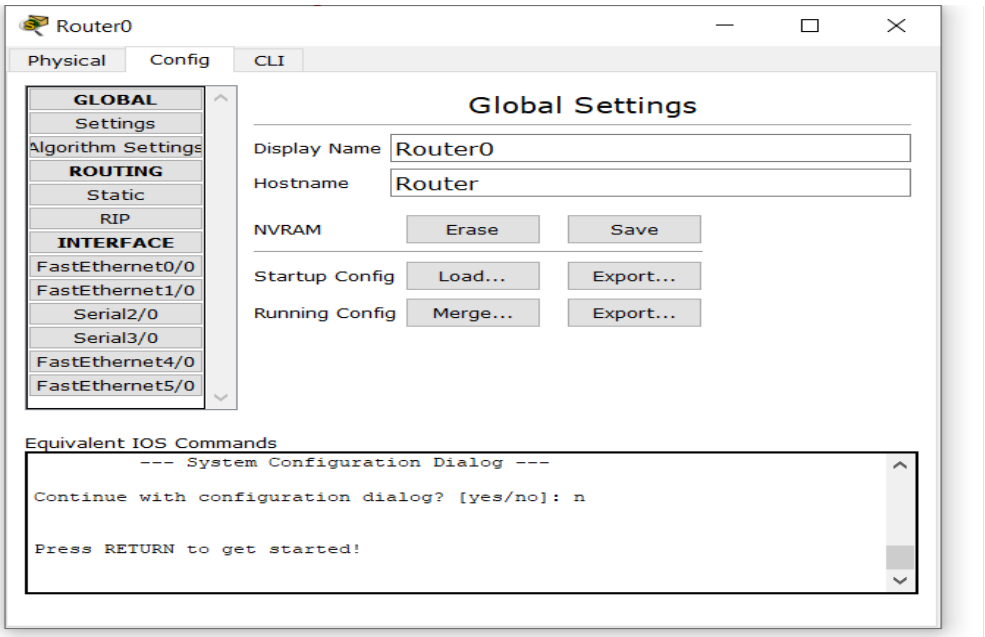


Step-2(Configuring Router):

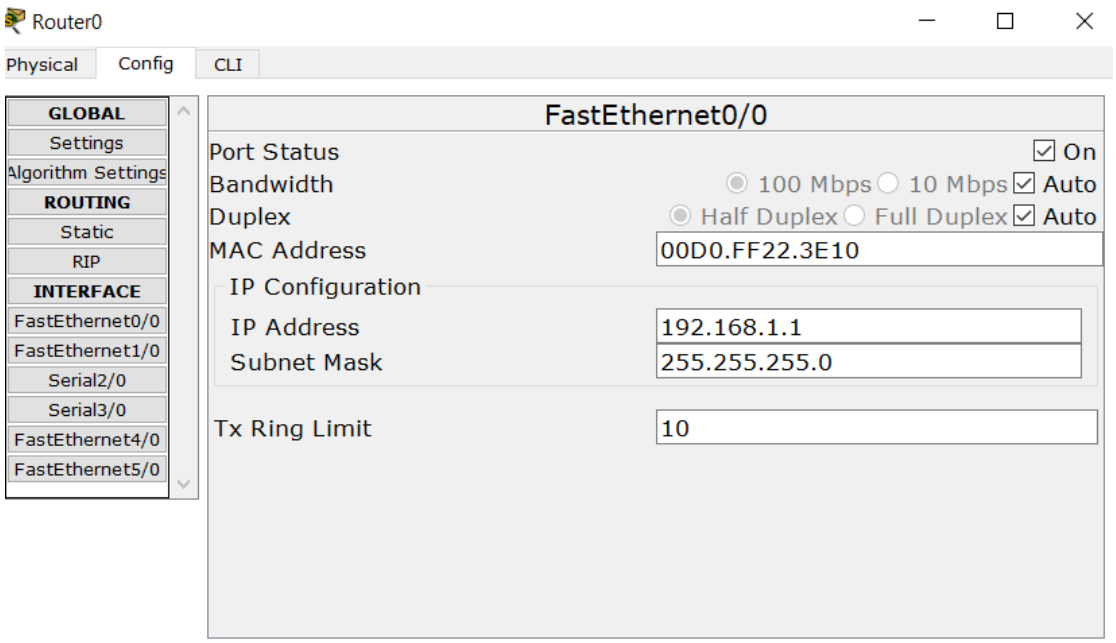
1. Enter to Router1



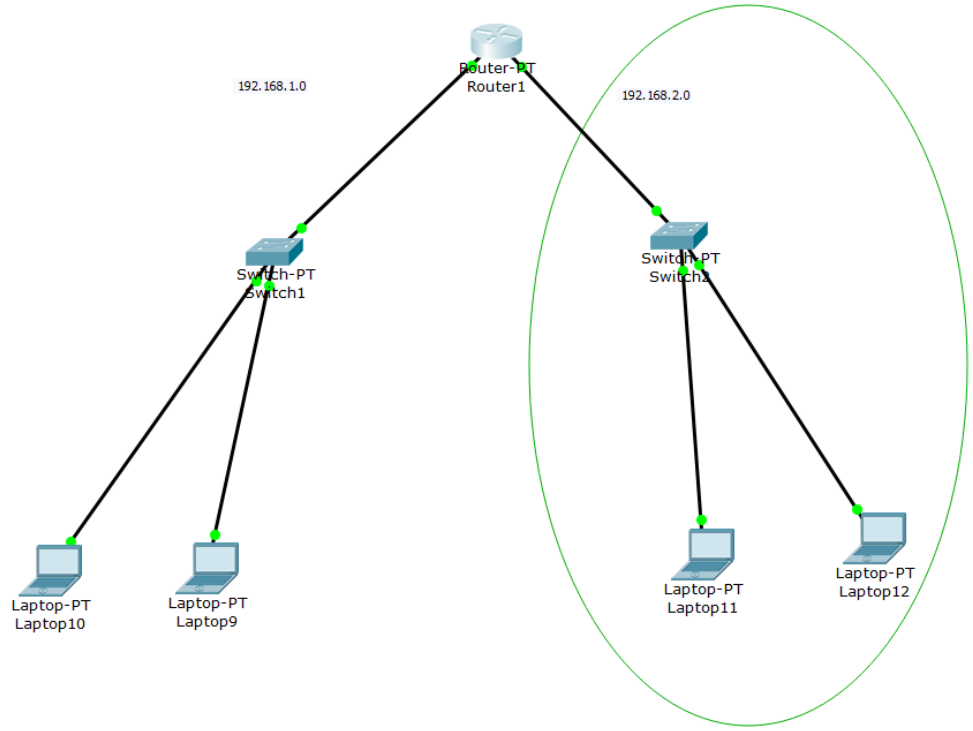
2- and select config



3- Enter to f0/0 and enter IP address (EX 192.168.1.1) and check on.

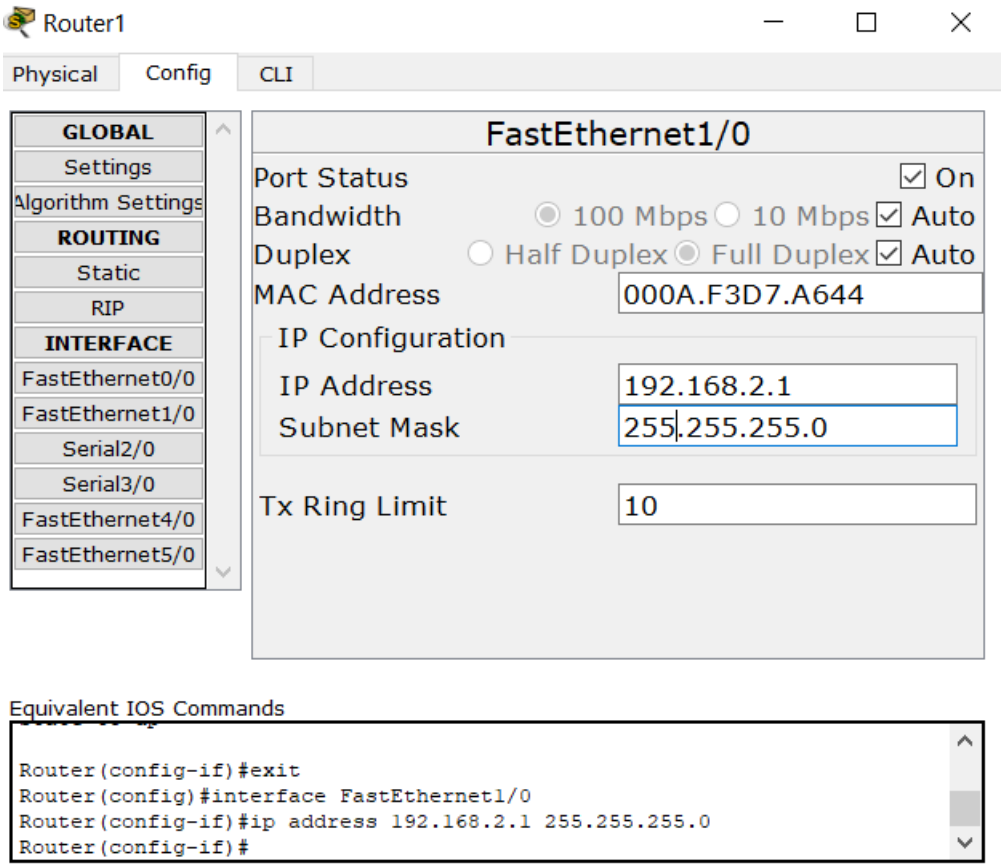


4- Enter to Router1



5- and select config

6- Enter to f1/0 and enter IP address (EX 192.168.2.1) and check on.



Step-3(Configuring PC):

Assign IP Addresses to every PC in the network.

1. Select the PC, Go to the desktop and select IP Configuration and assign an IP address, Default gateway, Subnet Mask
2. Assign the default gateway of PC0 as 192.168.1.1 and IP Address 192.168.1.10.
3. Assign the default gateway of PC1 as 192.168.1.1 and IP Address 192.168.1.20.
4. Assign the default gateway of PC3 as 192.168.2.1 and IP Address 192.168.2.10.

5. Assign the default gateway of PC4 as 192.168.2.1 and IP Address 192.168.2.50.

Step-4(Check Connection):
By send message or ping command.