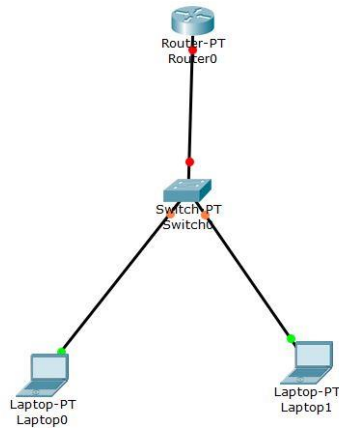# Network Lab

Lec 1: Introduction to Network
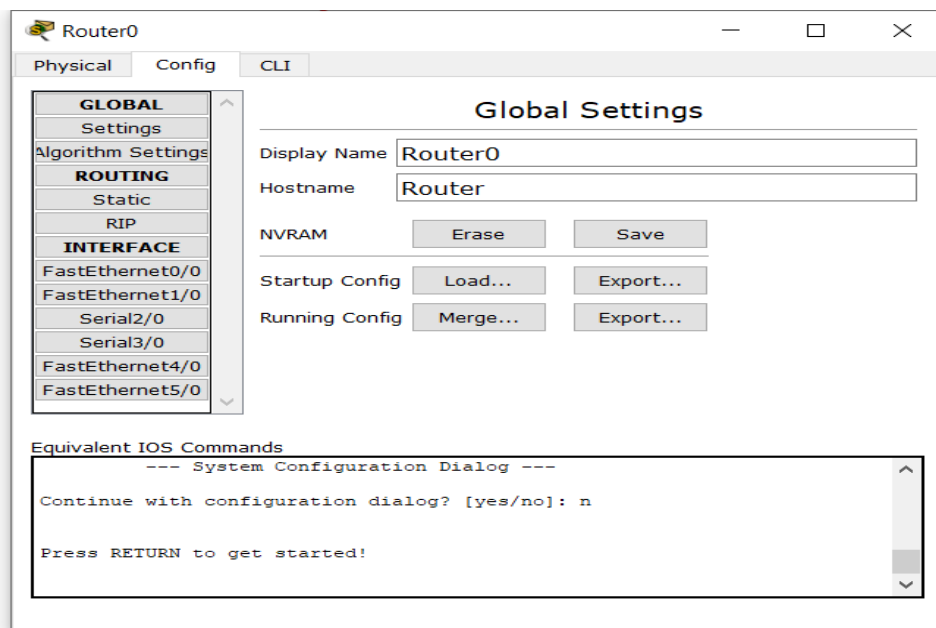
By: MSc Rajaa Mahmood

Router Configuration

Step-1(Designed Network topology)

1. Connect FastEthernet0 port of PC0 with FastEthernet0/0 port of Router1 using a copper straight-through cable.

2. Connect FastEthernet0 port of PC1 with FastEthernet0/1 port of Router1 using a copper straight-through cable.

Router-PT
Router0

Switch-PT
Switch0
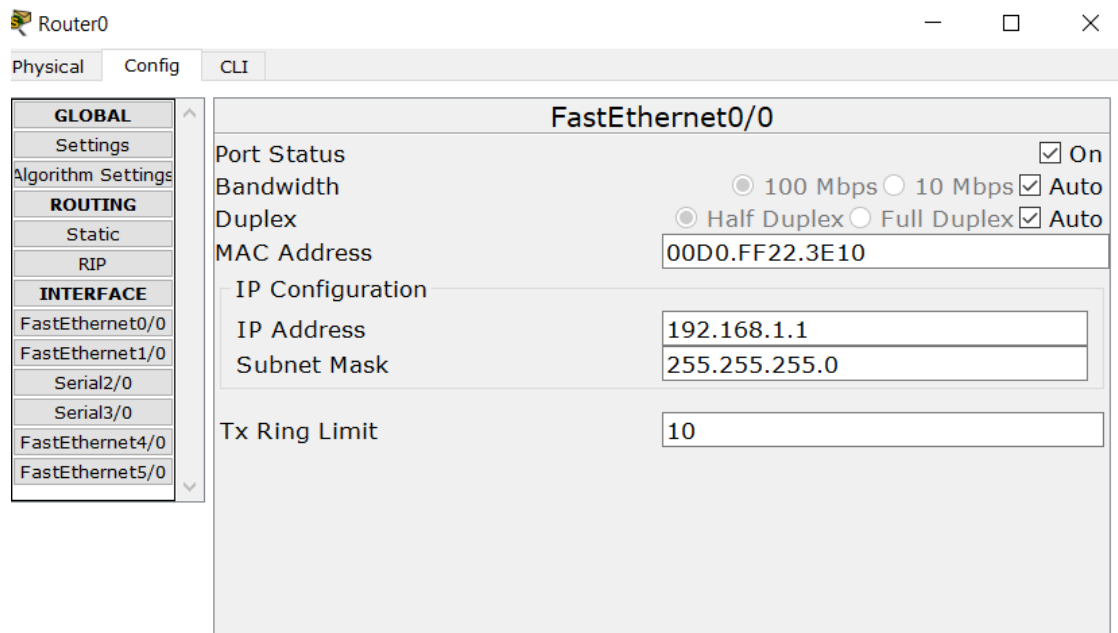
Laptop-PT
Laptop0

Laptop-PT
Laptop1

Step-2(Configuring Router):

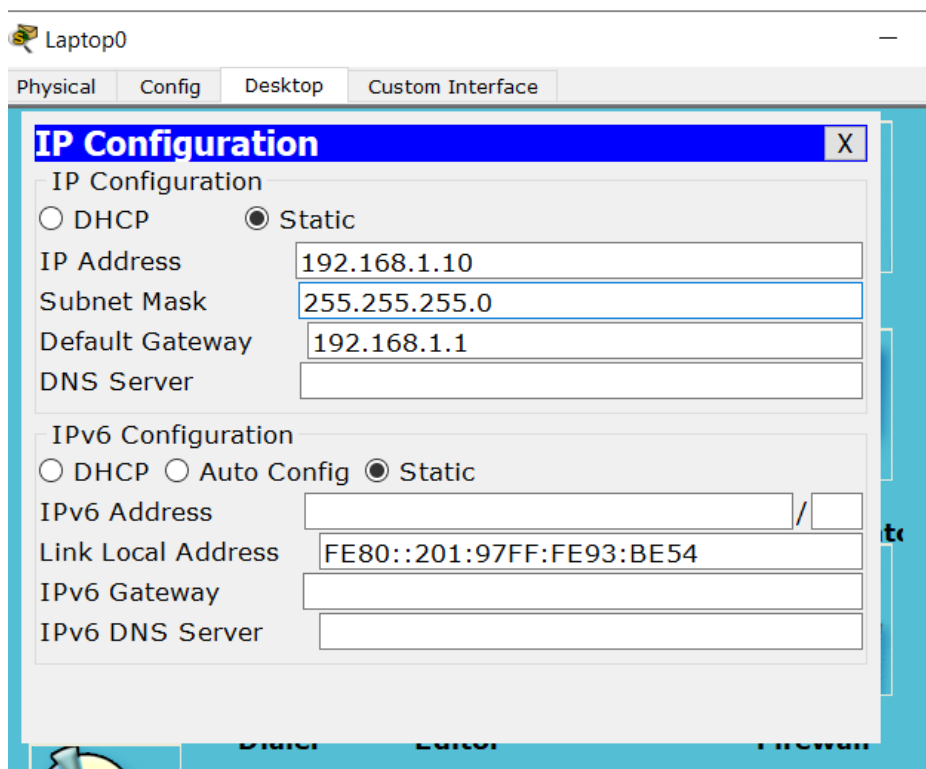1- Enter to Router0 and select config

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

Step-2(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.

Laptop1

Physical | Config | Desktop | Custom Interface

IP Configuration

IP Configuration

○ DHCP   ● Static

IP Address   192.168.1.20

Subnet Mask   255.255.255.0

Default Gateway   192.168.1.1

DNS Server

IPv6 Configuration

○ DHCP   ○ Auto Config   ● Static

IPv6 Address   /

Link Local Address   FE80::20D:BDFF:FE55:7B05

IPv6 Gateway

IPv6 DNS Server

Thank you