

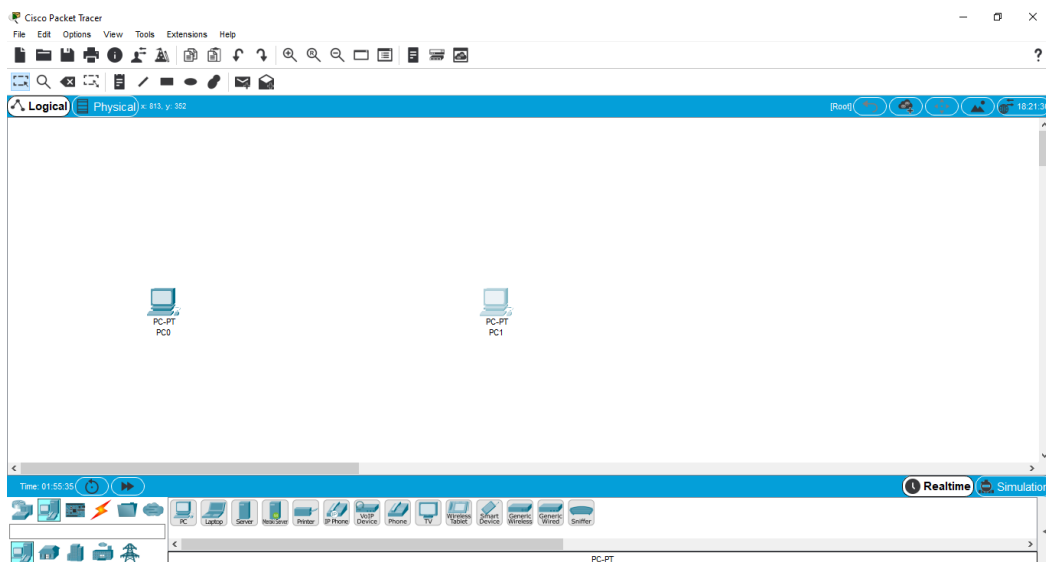
CN-ANS 2:

A computer network is a group of computers that use a set of common communication protocols over digital interconnections for the purpose of sharing resources located on or provided by the network nodes.

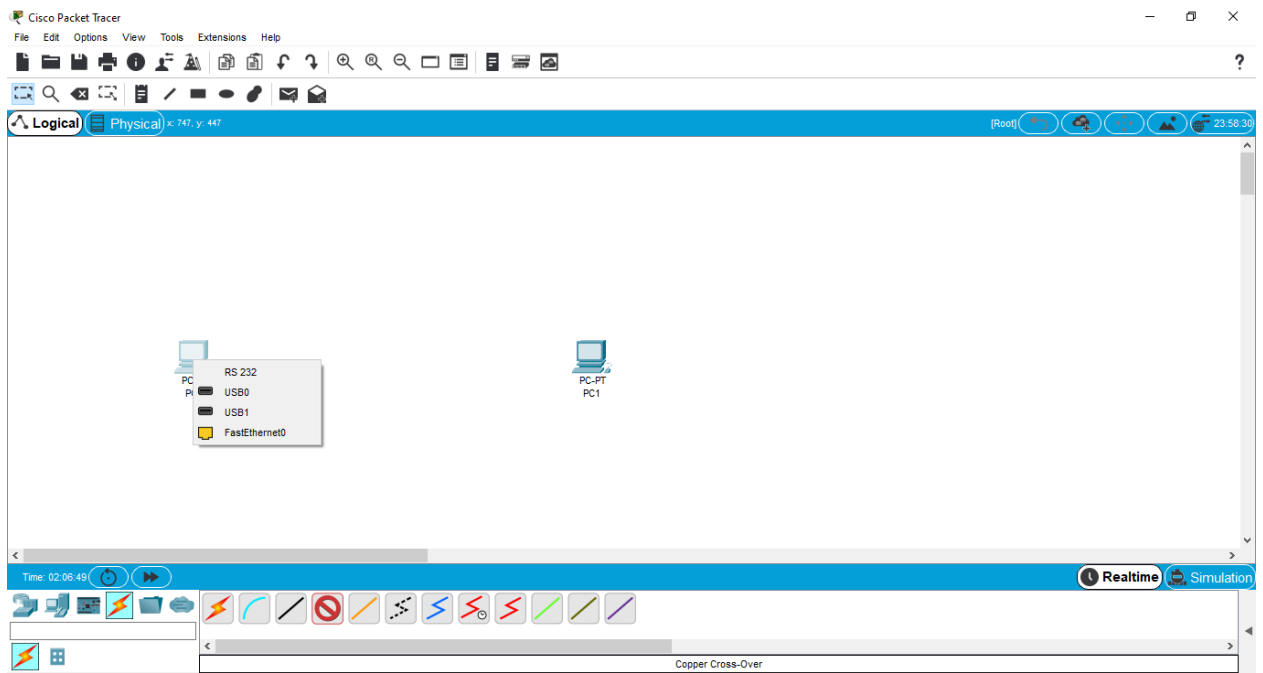
IP Address- It's a number which uniquely define a device on the network.

Steps for network design, IP configuration and connectivity are:-

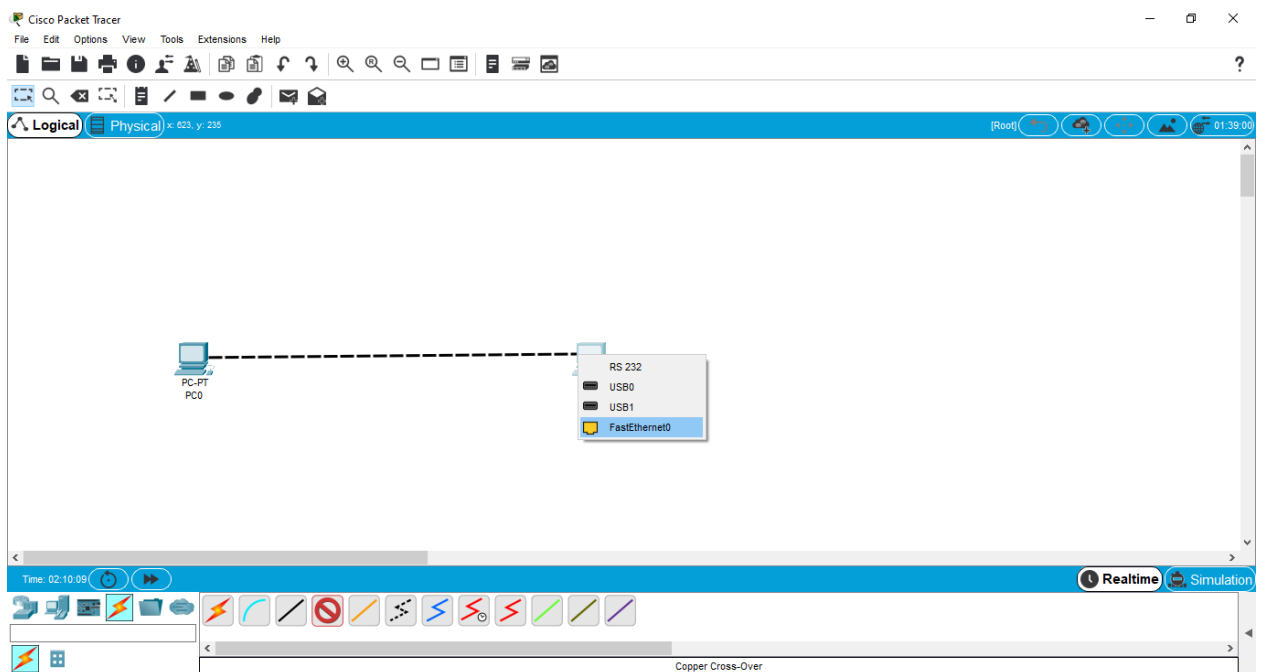
Step 1: Drag and Drop 2 PCs from 'End Devices'.



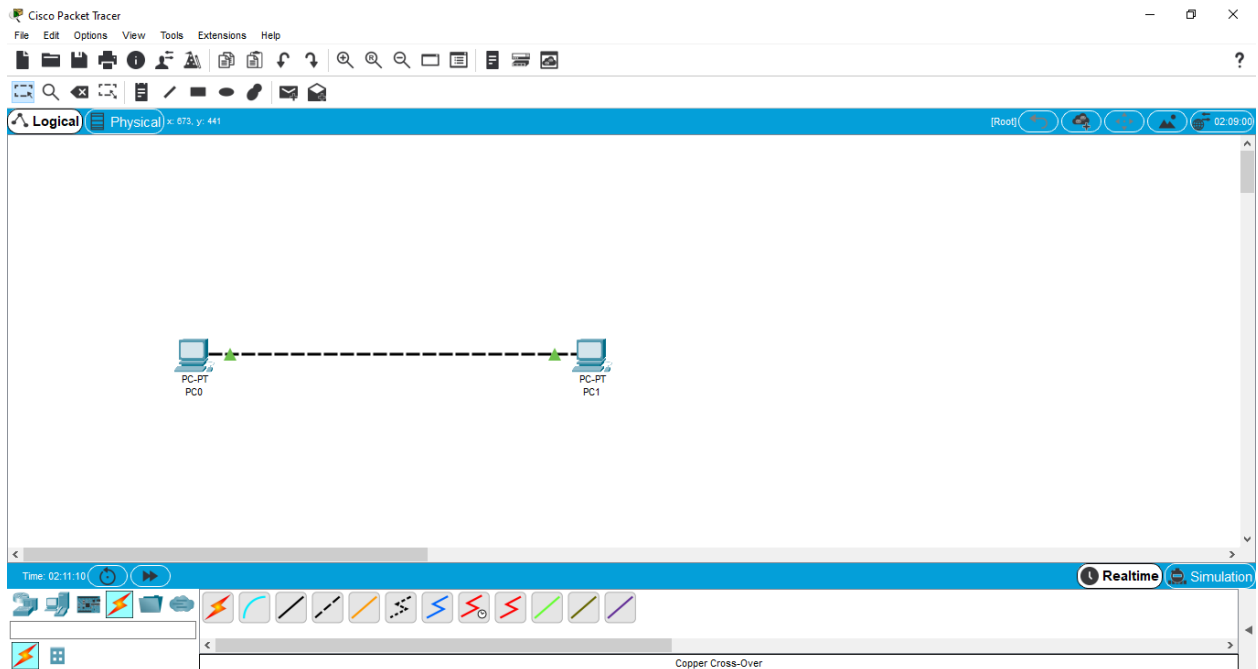
Step 2: Now you have to drag 'Cross-Cable' from connection and drop on 1st PC where you will select 'FastEthernet0' from list.



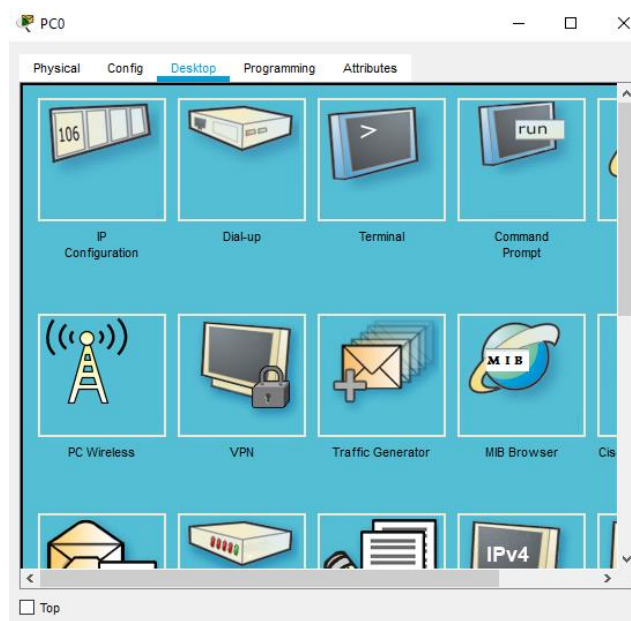
Step 3: Now connect the cable to 2nd PC and select 'FastEthernet0' from list.



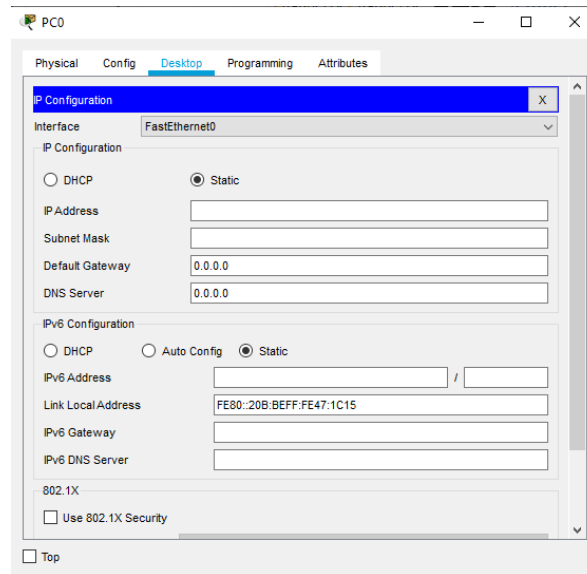
Step 4: This will be the resultant **Network for connecting 2 PCs.**



Step 5: To configure the IP Address. Click on 1st PC. A screen will appear, go to 'Desktop'.



Step 6: Click on 'IP Configuration'. This screen will get appear.



Step 7: Write the IP Address in the 'IP Address' section. Then click on 'Subnet Mask', it will get filled automatically.

Continue Step 5 to Step 7 to get IP Address for 2nd PC.

Here is the **IP Address for both the PCs.**

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.10.1

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::20B:BEFF:FE47:1C15

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

Top

PC1

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IP Address: 192.168.10.2

Subnet Mask: 255.255.255.0

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address: /

Link Local Address: FE80::290:2BFF:FE81:501A

IPv6 Gateway:

IPv6 DNS Server:

802.1X

☐ Use 802.1X Security

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