

1/11/22

1<sup>st</sup> CN lab

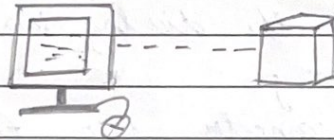
- open the Cisco packet tracer app student.
- In the left bottom corner, from the end devices, select a generic node and a generic server.
- click on them, a dialog box appears.
- Under the config tab (fast ethernet tab) set the IP address as 10.0.x, IP address should be unique for each device in a network. It is a 32 bit IP address. First 8 sets for network and the next 24 bits are for host.
- Then click on the subnet, it will be automatically set to some value, 255.0.0.0, in this case.
- Rename the device needed.
- Then just close the dialog box, it will automatically save the changes.
- Then select the connector from the bottom left corner. It should be copper or copper crossover, the latter in this case.
- click on both devices and click fast ethernet, a connection is formed.
- Red, green or amber color can be seen. If it is green, the connection is established.
- Then click on the packet symbol from right panel and click on the device to send packets.
- In the bottom right corner, you can set the mode to simulator or real time.
- In simulator mode, you can add simple router and click on auto capture. You can also click on back or forward to see each step.



## My first PT Lab.

- Launch Packet Tracer.
- Creating first network with the help of a generic PC and a generic server.
- Under connection select copper straight cable and connect PC and server.
- configure IP addresses.
- select simple PDU and click on both devices.
- Finally click on auto capture policy & hence animation can be viewed of the packet tracer in simulation mode.
- In real time mode, open command prompt and send ping using commands and destination IP addresses.

### Topology



PC1

Server 1

Result: PC > Ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:

Reply from 10.0.0.1: bytes = 32 time = 2ms TTL = 128

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