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1st 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 10.0.0.x, IP address should be unique for each device in a network. It is a 32 bit IP address. First 8 bits 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 cross over, 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 pdu and click on auto capture. You can also click on back or forward to see each step.

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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.

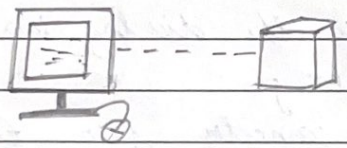
→ Configure IP addresses.

→ Select simple PDU and click on both devices

→ Finally click on auto capture/play & here animation can be viewed of the packet flow 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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