

NPS LAB EXPERIMENT-2

Execute the following networking commands like ipconfig, tracert, telnet, netsh, ping, nslookup and netstat in the command prompt with simple topology.

Step 1: Open Cisco packet tracer.

Step 2: Drag and Drop 2 pc's and switch & server and make connection through the automatic cable.

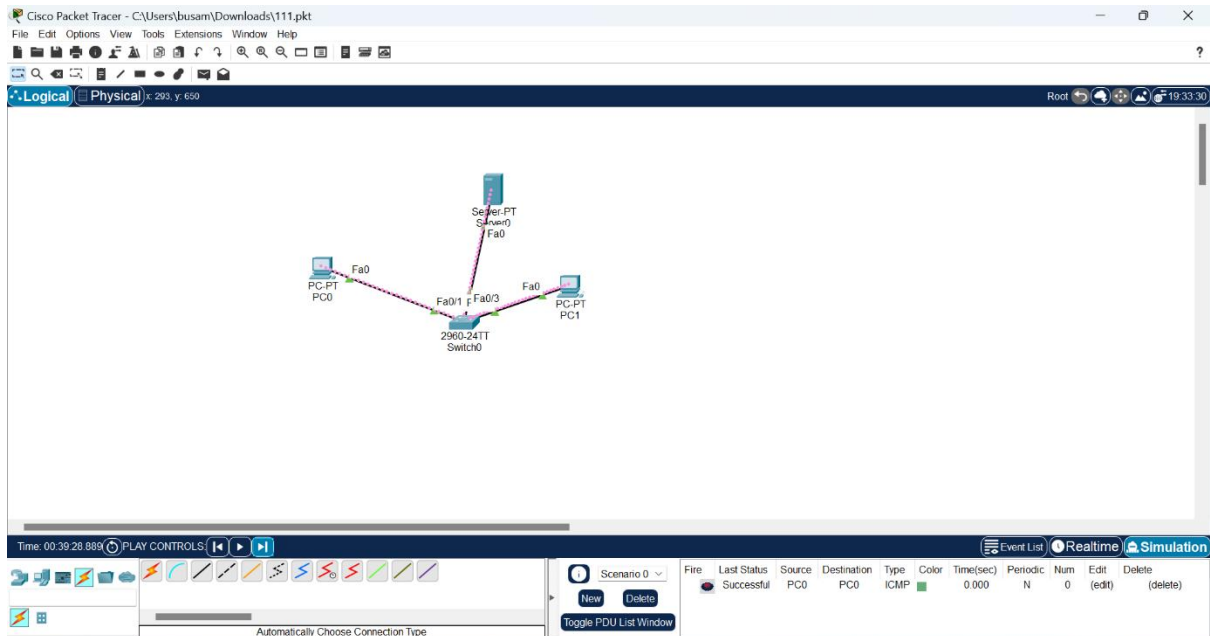
Step 3: Go to desktop and click on ipconfig & give ip address to each of the pc and go to command prompt and type ping command with another pc address so it will reply from other pc device.

Step 4: Like this give subnet mask and default gateway and dns server addresses. In DNS server go to services and give name and ip address of the pc and click on add and go to command prompt type nslookup command with name .

Step 5: Go to command prompt type ipconfig and give ip address of the pc it reply's from to another.

Step 6: Go to application Services in the add complex to pdu in that give destination address and periodic time and it sends messages when you type netstat command in command prompt.

Step 7: go to command prompt type tracert command with another pc address. And it gives the tracing route & type telnet with same ip address and this connects to the server or remote devices & save the file with name.



Cisco Packet Tracer - C:\Users\busam\Downloads\111.pkt

File Edit Options View Tools Extensions Window Help

Logical Physical x 200 y 650

Time: 00:39:28.889 PLAY CONTROLS

PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 156.32.6.8

Pinging 156.32.6.8 with 32 bytes of data:

Reply from 156.32.6.8: bytes=32 time=4ms TTL=128
Reply from 156.32.6.8: bytes=32 time=4ms TTL=128
Reply from 156.32.6.8: bytes=32 time=4ms TTL=128
Reply from 156.32.6.8: bytes=32 time=5ms TTL=128

Ping statistics for 156.32.6.8:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 5ms, Average = 5ms

C:\>netstat

Active Connections

Proto Local Address           Foreign Address         State
TCP    0.0.0.0:2500             35.67.7.2:443          SYN_SENT
TCP    0.0.0.0:2502             35.67.7.2:443          SYN_SENT

C:\>ipconfig/all
Invalid Command.

C:\>ipconfig/all
Invalid Command.

C:\>ipconfig

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...:
Link-local IPv6 Address . . . . .: FE80::2E0:A3FF:FEC7:15AC
IPv6 Address . . . . .: ::
IPv4 Address . . . . .: 156.32.6.8
Subnet Mask . . . . .: 255.255.0.0
Default Gateway . . . . .: ::

Bluetooth Connection:

Connection-specific DNS Suffix...:
Link-local IPv6 Address . . . . .: ::
```

Realtime Simulation

Edit Delete (edit) (delete)

