Atma Ram Sanatan Dharma College
Delhi University

Computer Networks

Project: Cisco Packet Tracer

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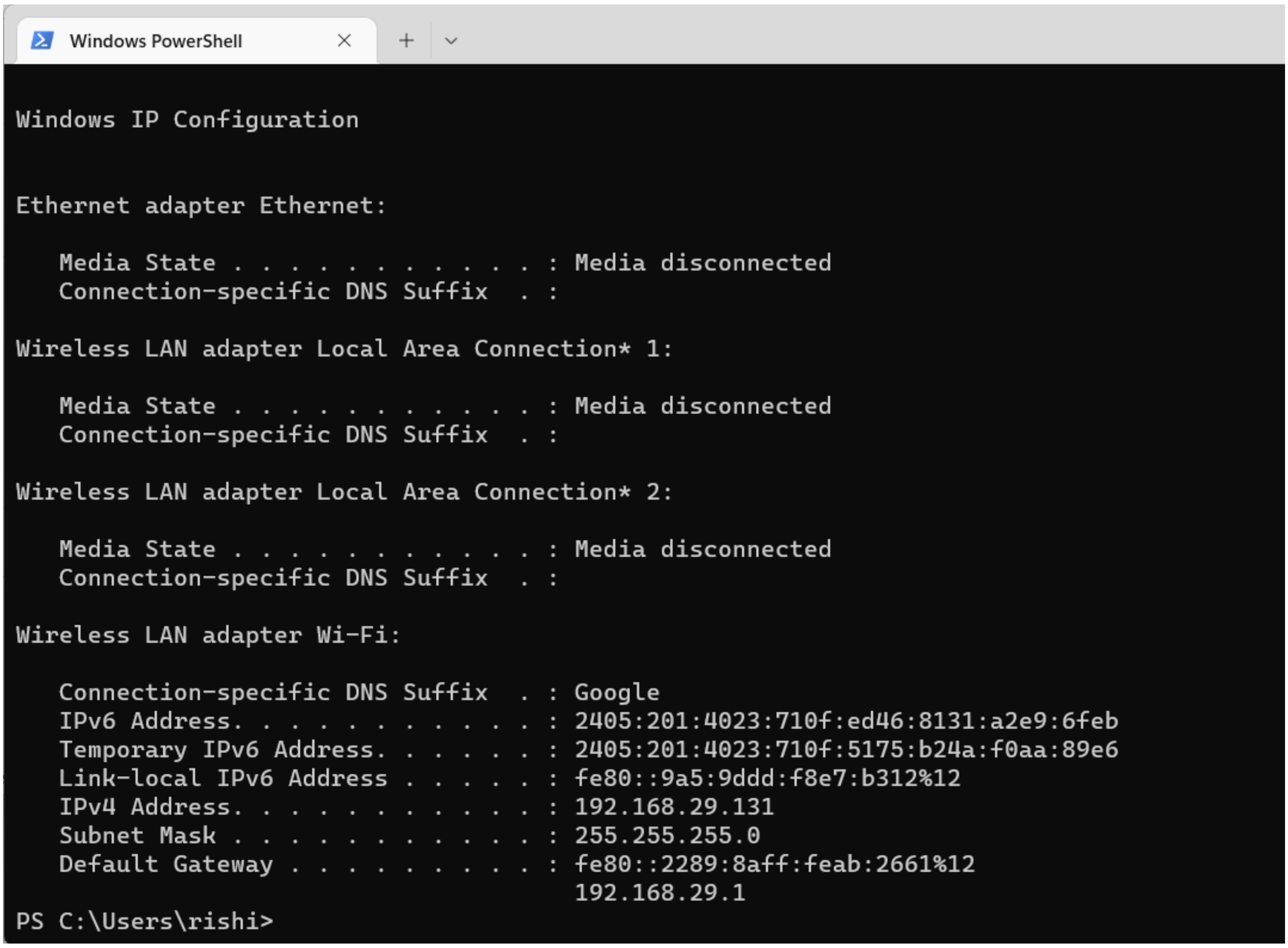
Submitted to: Dr. Uma Ojha

1. Ipconfig:

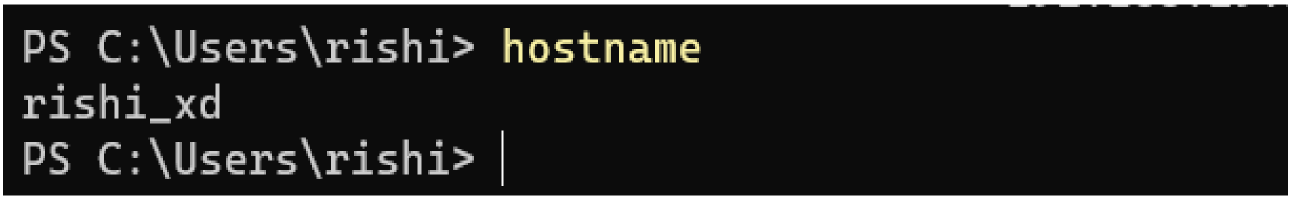
Displays all current TCP/IP network configuration values and refreshes Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) settings.



```
Windows IP Configuration


Ethernet adapter Ethernet:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 1:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Local Area Connection* 2:

   Media State . . . . . . . . . . . : Media disconnected
   Connection-specific DNS Suffix  . :

Wireless LAN adapter Wi-Fi:

   Connection-specific DNS Suffix  . : Google
   IPv6 Address. . . . . . . . . . . : 2405:201:4023:710f:ed46:8131:a2e9:6feb
   Temporary IPv6 Address. . . . . . : 2405:201:4023:710f:5175:b24a:f0aa:89e6
   Link-local IPv6 Address . . . . . : fe80::9a5:9ddd:f8e7:b312%12
   IPv4 Address. . . . . . . . . . . : 192.168.29.131
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::2289:8aff:feab:2661%12
                                       192.168.29.1
PS C:\Users\rishi>
```

2. Hostname:

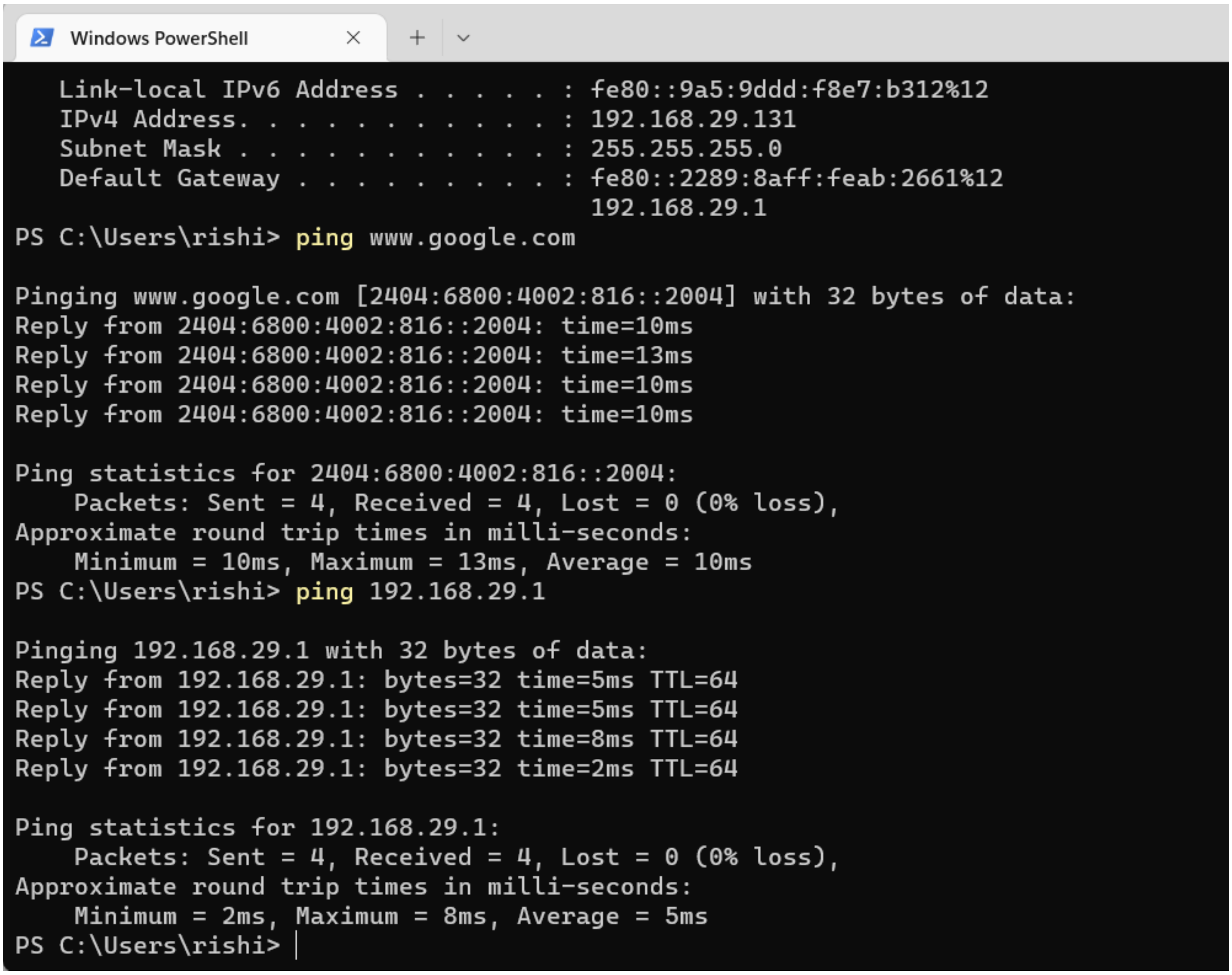
Provides the hostname of the host.



```
PS C:\Users\rishi> hostname
rishi_xd
PS C:\Users\rishi>
```

3. Ping:

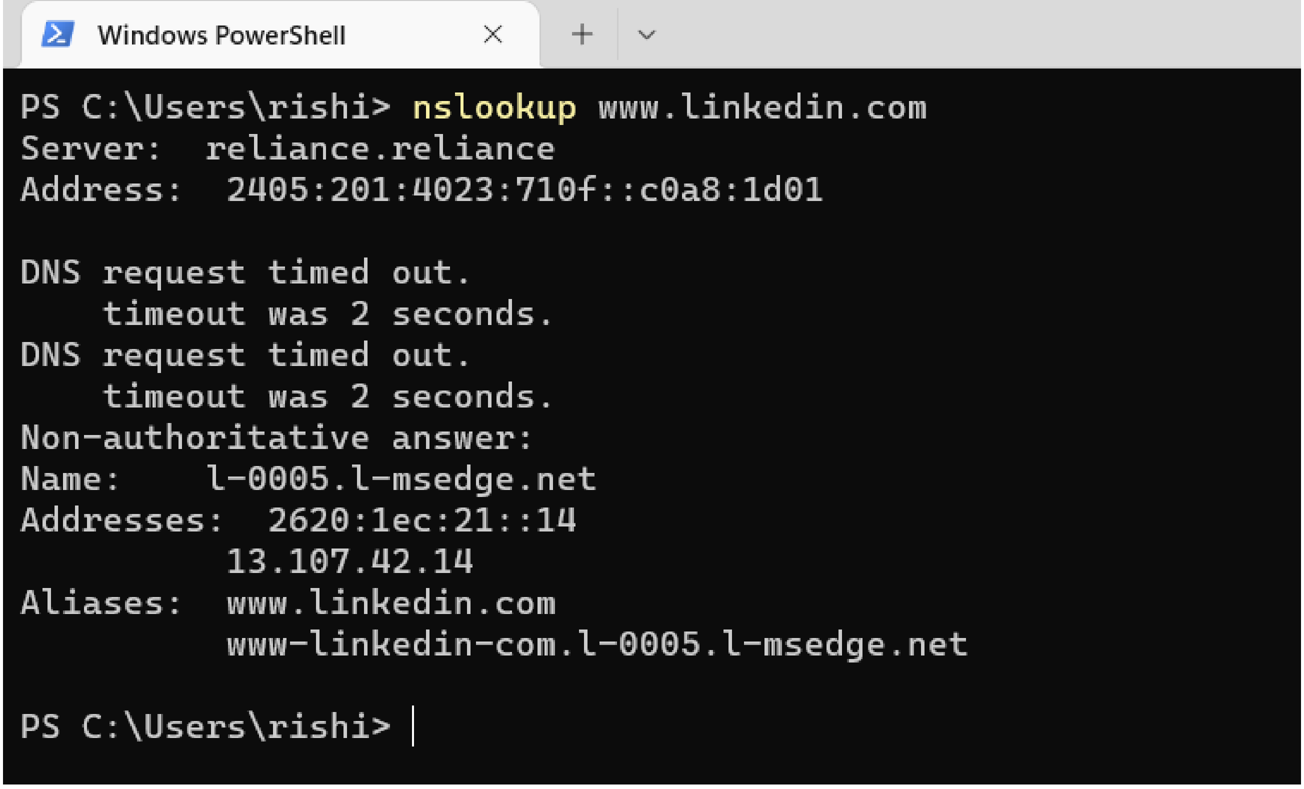
The ping command is a Command Prompt command used to test the ability of the source computer to reach a specified destination computer. It's a simple way to verify that a computer can communicate with another computer or network device.



```
   Link-local IPv6 Address . . . . . : fe80::9a5:9ddd:f8e7:b312%12
   IPv4 Address. . . . . . . . . . . : 192.168.29.131
   Subnet Mask . . . . . . . . . . . : 255.255.255.0
   Default Gateway . . . . . . . . . : fe80::2289:8aff:feab:2661%12
                                       192.168.29.1
PS C:\Users\rishi> ping www.google.com

Pinging www.google.com [2404:6800:4002:816::2004] with 32 bytes of data:
Reply from 2404:6800:4002:816::2004: time=10ms
Reply from 2404:6800:4002:816::2004: time=13ms
Reply from 2404:6800:4002:816::2004: time=10ms
Reply from 2404:6800:4002:816::2004: time=10ms

Ping statistics for 2404:6800:4002:816::2004:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 10ms, Maximum = 13ms, Average = 10ms
PS C:\Users\rishi> ping 192.168.29.1

Pinging 192.168.29.1 with 32 bytes of data:
Reply from 192.168.29.1: bytes=32 time=5ms TTL=64
Reply from 192.168.29.1: bytes=32 time=5ms TTL=64
Reply from 192.168.29.1: bytes=32 time=8ms TTL=64
Reply from 192.168.29.1: bytes=32 time=2ms TTL=64

Ping statistics for 192.168.29.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 2ms, Maximum = 8ms, Average = 5ms
PS C:\Users\rishi>
```

4. Nslookup:

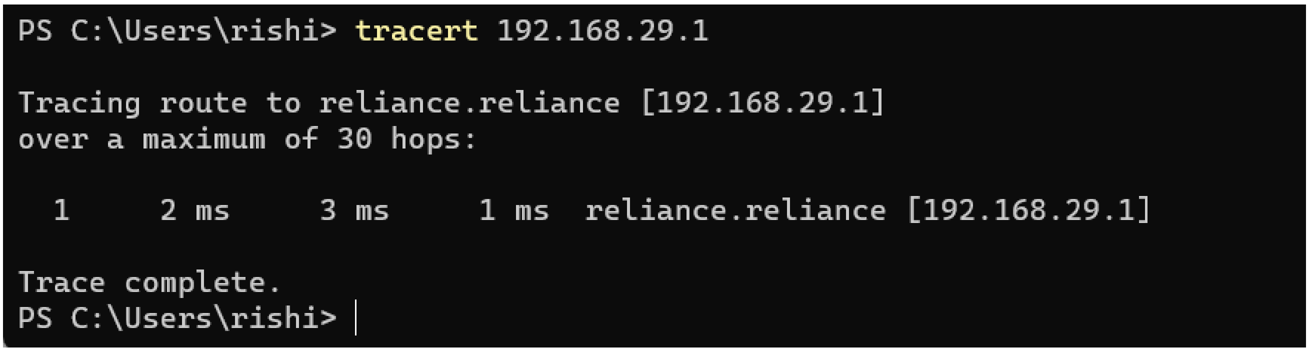
Nslookup (stands for “Name Server Lookup”) is a useful command for getting information from the DNS server. It is a network administration tool for querying the Domain Name System (DNS) to obtain domain name or IP address mapping or any other specific DNS record. It is also used to troubleshoot DNS-related problems.



```
PS C:\Users\rishi> nslookup www.linkedin.com
Server:  reliance.reliance
Address:  2405:201:4023:710f::c0a8:1d01

DNS request timed out.
    timeout was 2 seconds.
DNS request timed out.
    timeout was 2 seconds.
Non-authoritative answer:
Name:    l-0005.l-msedge.net
Addresses:  2620:1ec:21::14
          13.107.42.14
Aliases:  www.linkedin.com
          www-linkedin-com.l-0005.l-msedge.net

PS C:\Users\rishi>
```

5. Tracert:

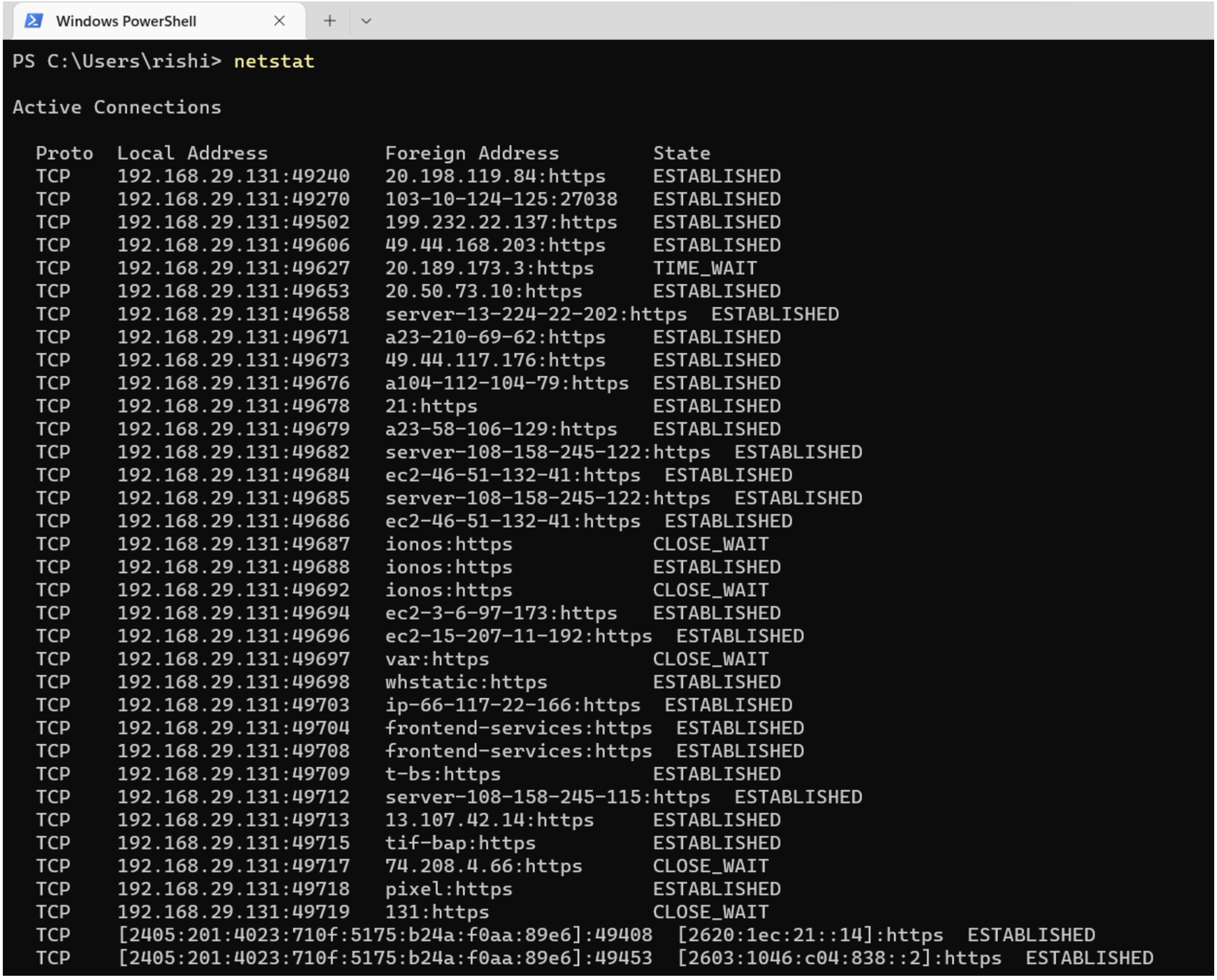
Tracert command prints the route that a packet takes to reach the host. This command is useful when you want to know about the route and about all the hops that a packet takes. It also prints detail about all the hops that it visits in between.



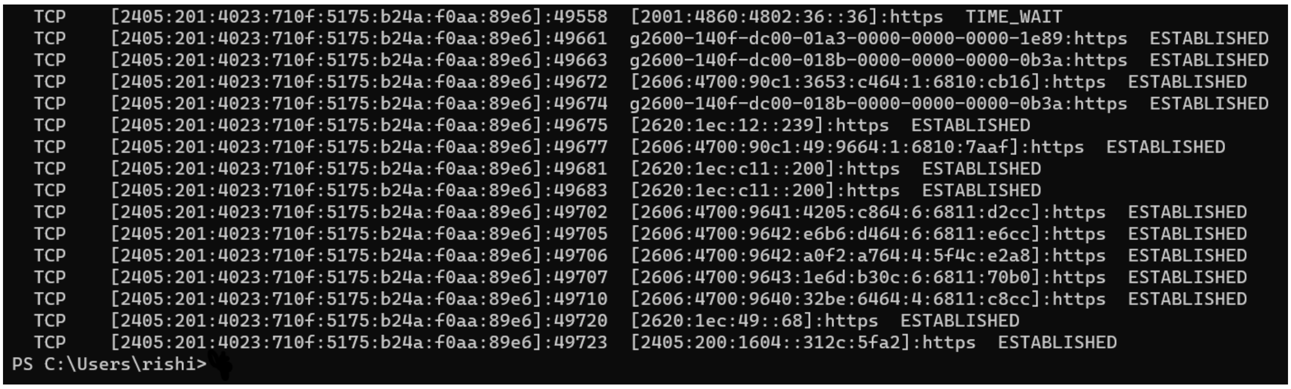
```
PS C:\Users\rishi> tracert 192.168.29.1

Tracing route to reliance.reliance [192.168.29.1]
over a maximum of 30 hops:

  1     2 ms     3 ms     1 ms  reliance.reliance [192.168.29.1]

Trace complete.
PS C:\Users\rishi>
```

6. Netstat:

Netstat command displays various network related information such as network connections, routing tables, interface statistics, masquerade connections, multicast memberships etc.



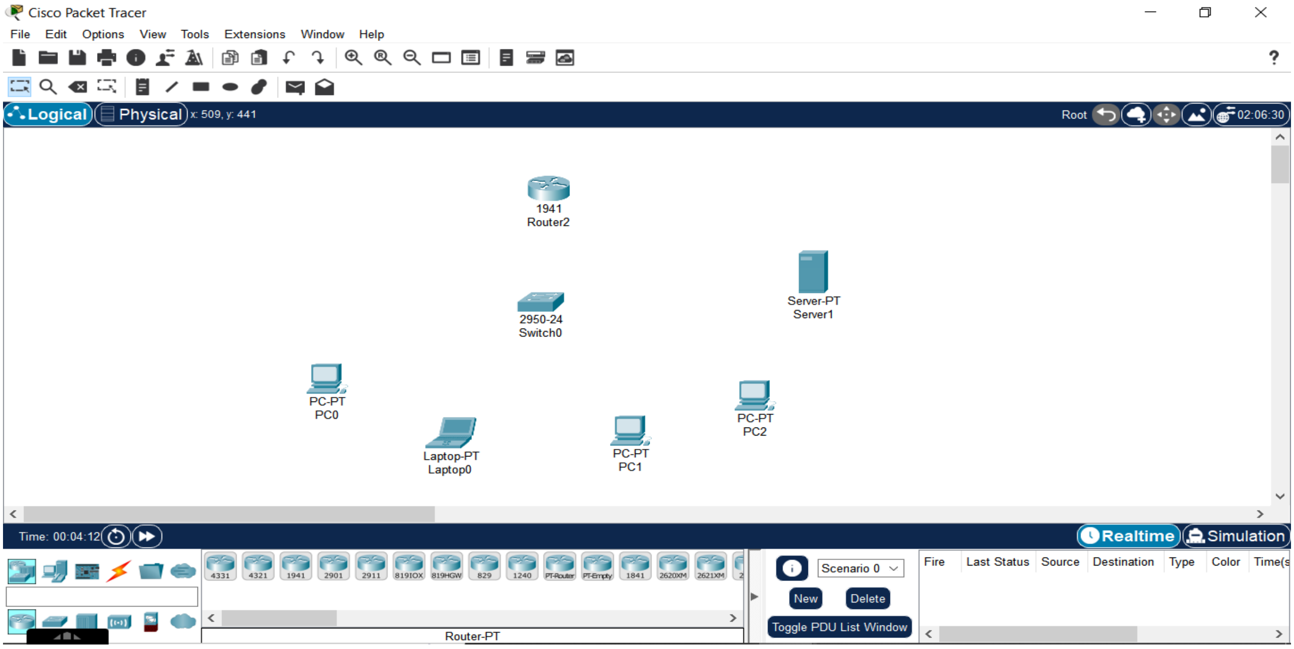
```
PS C:\Users\rishi> netstat

Active Connections

  Proto  Local Address          Foreign Address        State
  TCP    192.168.29.131:49240   20.198.119.84:https    ESTABLISHED
  TCP    192.168.29.131:49270   103-10-124-125:27038   ESTABLISHED
  TCP    192.168.29.131:49502   199.232.22.137:https   ESTABLISHED
  TCP    192.168.29.131:49606   49.44.168.203:https    ESTABLISHED
  TCP    192.168.29.131:49627   20.189.173.3:https     TIME_WAIT
  TCP    192.168.29.131:49653   20.50.73.10:https      ESTABLISHED
  TCP    192.168.29.131:49658   server-13-224-22-202:https  ESTABLISHED
  TCP    192.168.29.131:49671   a23-210-69-62:https    ESTABLISHED
  TCP    192.168.29.131:49673   49.44.117.176:https    ESTABLISHED
  TCP    192.168.29.131:49676   a104-112-104-79:https  ESTABLISHED
  TCP    192.168.29.131:49678   21:https               ESTABLISHED
  TCP    192.168.29.131:49679   a23-58-106-129:https   ESTABLISHED
  TCP    192.168.29.131:49682   server-108-158-245-122:https  ESTABLISHED
  TCP    192.168.29.131:49684   ec2-46-51-132-41:https  ESTABLISHED
  TCP    192.168.29.131:49685   server-108-158-245-122:https  ESTABLISHED
  TCP    192.168.29.131:49686   ec2-46-51-132-41:https  ESTABLISHED
  TCP    192.168.29.131:49687   ionos:https            CLOSE_WAIT
  TCP    192.168.29.131:49688   ionos:https            ESTABLISHED
  TCP    192.168.29.131:49692   ionos:https            CLOSE_WAIT
  TCP    192.168.29.131:49694   ec2-3-6-97-173:https   ESTABLISHED
  TCP    192.168.29.131:49696   ec2-15-207-11-192:https  ESTABLISHED
  TCP    192.168.29.131:49697   var:https              CLOSE_WAIT
  TCP    192.168.29.131:49698   whstatic:https         ESTABLISHED
  TCP    192.168.29.131:49703   ip-66-117-22-166:https  ESTABLISHED
  TCP    192.168.29.131:49704   frontend-services:https  ESTABLISHED
  TCP    192.168.29.131:49708   frontend-services:https  ESTABLISHED
  TCP    192.168.29.131:49709   t-bs:https             ESTABLISHED
  TCP    192.168.29.131:49712   server-108-158-245-115:https  ESTABLISHED
  TCP    192.168.29.131:49713   13.107.42.14:https     ESTABLISHED
  TCP    192.168.29.131:49715   tif-bap:https          ESTABLISHED
  TCP    192.168.29.131:49717   74.208.4.66:https      CLOSE_WAIT
  TCP    192.168.29.131:49718   pixel:https            ESTABLISHED
  TCP    192.168.29.131:49719   131:https              CLOSE_WAIT
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49408  [2620:1ec:21::14]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49453  [2603:1046:c04:838::2]:https  ESTABLISHED
```



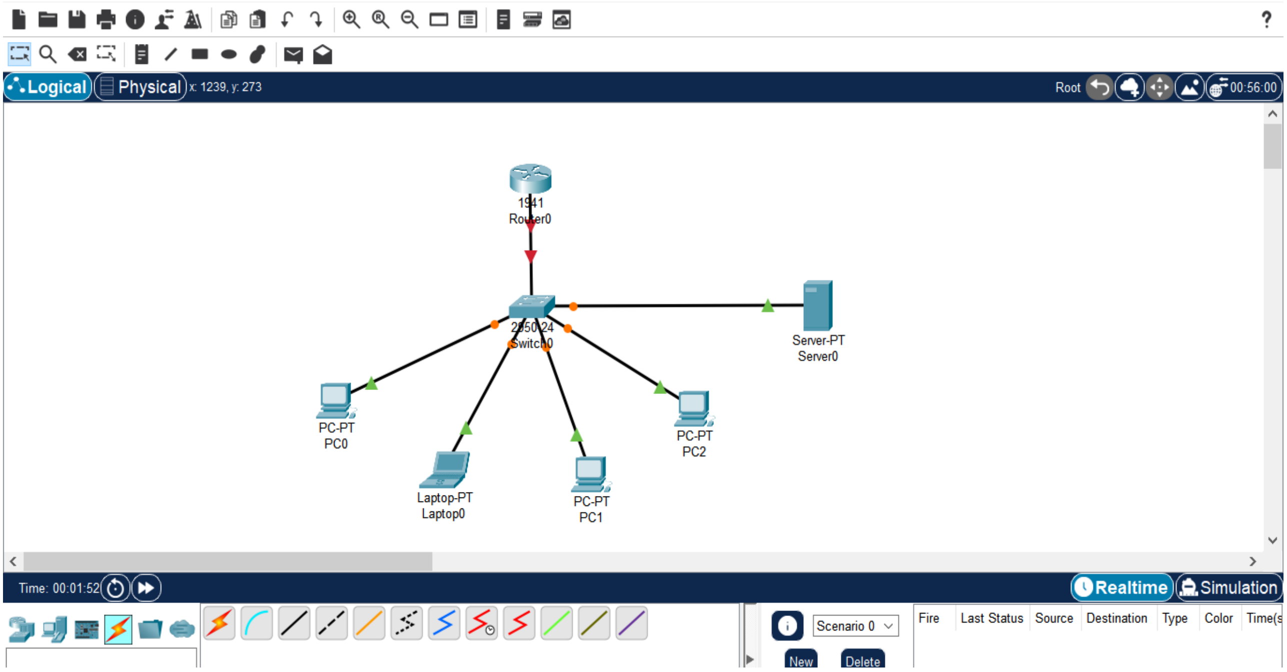
```
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49558  [2001:4860:4802:36::36]:https  TIME_WAIT
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49661  g2600-140f-dc00-01a3-0000-0000-0000-1e89:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49663  g2600-140f-dc00-018b-0000-0000-0000-0b3a:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49672  [2606:4700:90c1:3653:c464:1:6810:cb16]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49674  g2600-140f-dc00-018b-0000-0000-0000-0b3a:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49675  [2620:1ec:12::239]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49677  [2606:4700:90c1:49:9664:1:6810:7aaf]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49681  [2620:1ec:c11::200]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49683  [2620:1ec:c11::200]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49702  [2606:4700:9641:4205:c864:6:6811:d2cc]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49705  [2606:4700:9642:e6b6:d464:6:6811:e6cc]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49706  [2606:4700:9642:a0f2:a764:4:5f4c:e2a8]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49707  [2606:4700:9643:1e6d:b30c:6:6811:70b0]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49710  [2606:4700:9640:32be:6464:4:6811:c8cc]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49720  [2620:1ec:49::68]:https  ESTABLISHED
  TCP    [2405:201:4023:710f:5175:b24a:f0aa:89e6]:49723  [2405:200:1604::312c:5fa2]:https  ESTABLISHED
PS C:\Users\rishi>
```

Simple LAN Network Using DHCP Protocol

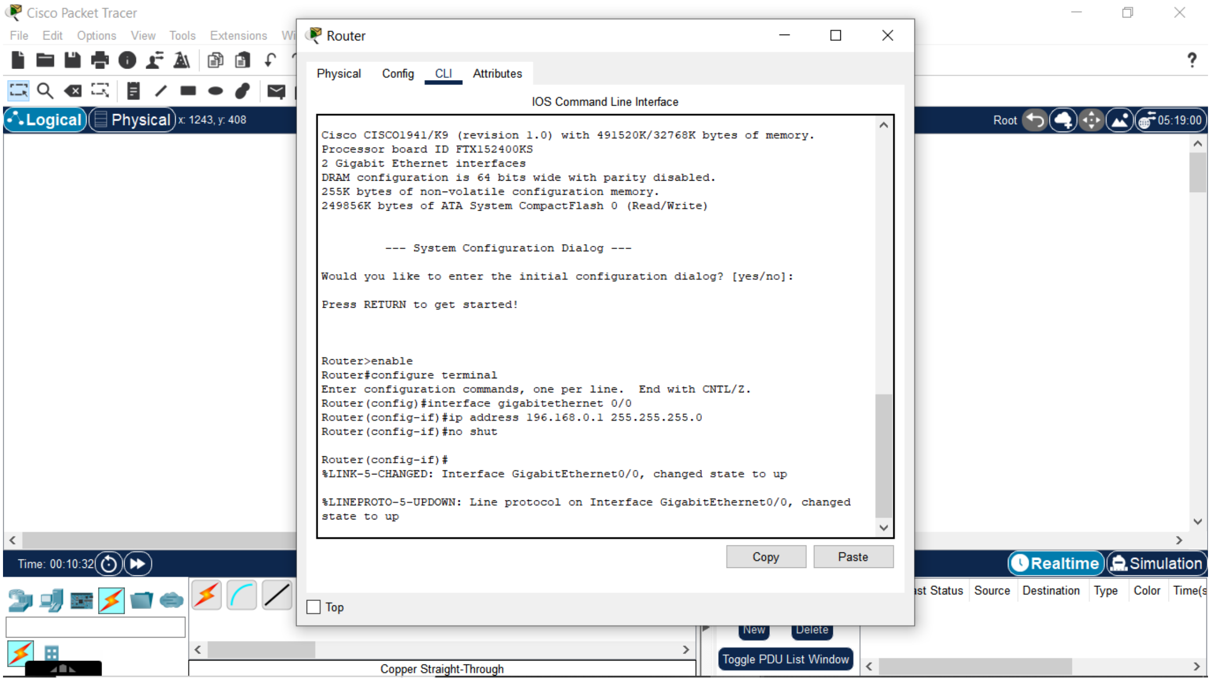
- This is the interface of Cisco Packet Tracer. We have inserted a router 1941, switch 2950-24, three PCs- PC0, PC1 and PC2, a laptop and a server into our network environment.



- Then we connect the router to switch and all other devices on the network to the switch.



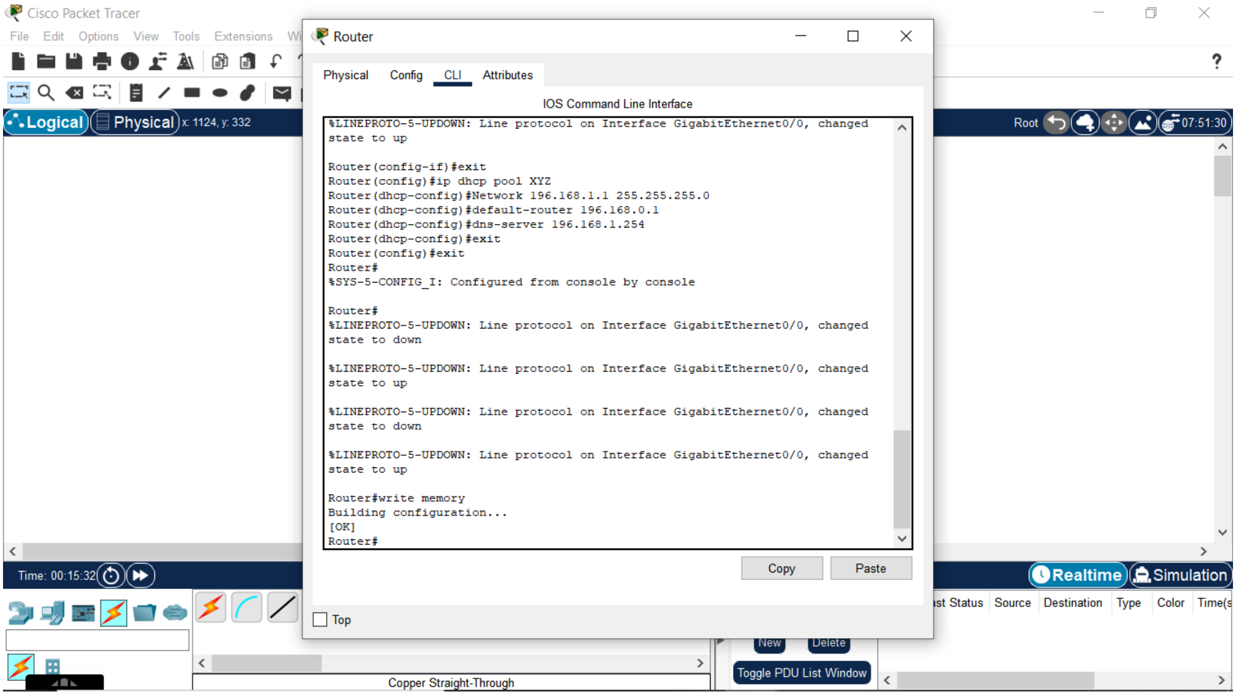
- To establish a connection between router and switch, we need to configure the router settings and assign IP address using following commands.
  1. Enable
  2. Configure terminal
  3. Interface gigabitethernet 0/0
  4. IP address 196.168.0.1 255.255.255.0
  5. No shut



```
Cisco CISCO1941/K9 (revision 1.0) with 491520K/32768K bytes of memory.
Processor board ID FTX152400KS
2 Gigabit Ethernet interfaces
DRAM configuration is 64 bits wide with parity disabled.
255K bytes of non-volatile configuration memory.
249856K bytes of ATA System CompactFlash 0 (Read/Write)


         --- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]:

Press RETURN to get started!



Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface gigabitethernet 0/0
Router(config-if)#ip address 196.168.0.1 255.255.255.0
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to up
```

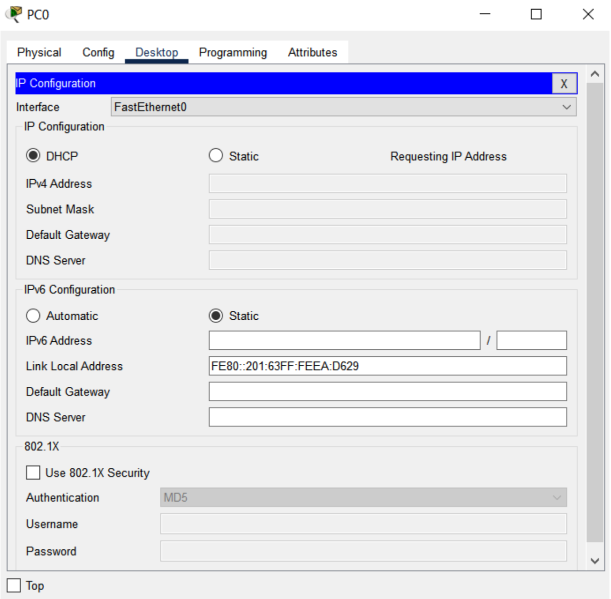
- We also need to configure the DHCP protocol in the router using following commands.
  1. IP DHCP pool XYZ
  2. Network 196.168.1.1 255.255.255.0
  3. Default-router 196.168.0.1
  4. DNS-Server 196.168.1.254
  5. Exit

Then, we run command write memory to write the changes in the memory, so that they can come into effect.



```
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to up

Router(config-if)#exit
Router(config)#ip dhcp pool XYZ
Router(dhcp-config)#Network 196.168.1.1 255.255.255.0
Router(dhcp-config)#default-router 196.168.0.1
Router(dhcp-config)#dns-server 196.168.1.254
Router(dhcp-config)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed
state to up

Router#write memory
Building configuration...
[OK]
Router#
```

- Now, we will assign IP addresses to the end devices using DHCP Protocol. In this method, IP address and MAC address are automatically derived from the DHCP protocol defined in the router.



PC0

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

● DHCP ○ Static Requesting IP Address

IPv4 Address

Subnet Mask

Default Gateway

DNS Server

IPv6 Configuration

○ Automatic ● Static

IPv6 Address /

Link Local Address FE80::201:63FF:FEEA:D629

Default Gateway

DNS Server

802.1X

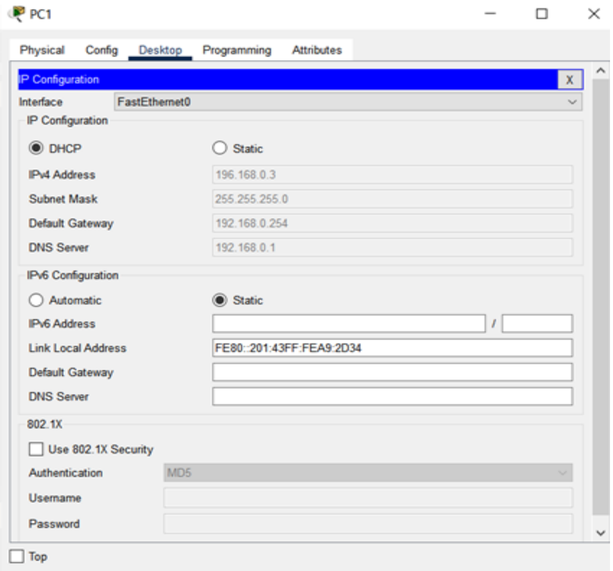
□ Use 802.1X Security

Authentication MD5

Username

Password

□ Top



PC1

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

● DHCP ○ Static

IPv4 Address 196.168.0.3

Subnet Mask 255.255.255.0

Default Gateway 192.168.0.254

DNS Server 192.168.0.1

IPv6 Configuration

○ Automatic ● Static

IPv6 Address /

Link Local Address FE80::201:43FF:FEA9:2D34

Default Gateway

DNS Server

802.1X

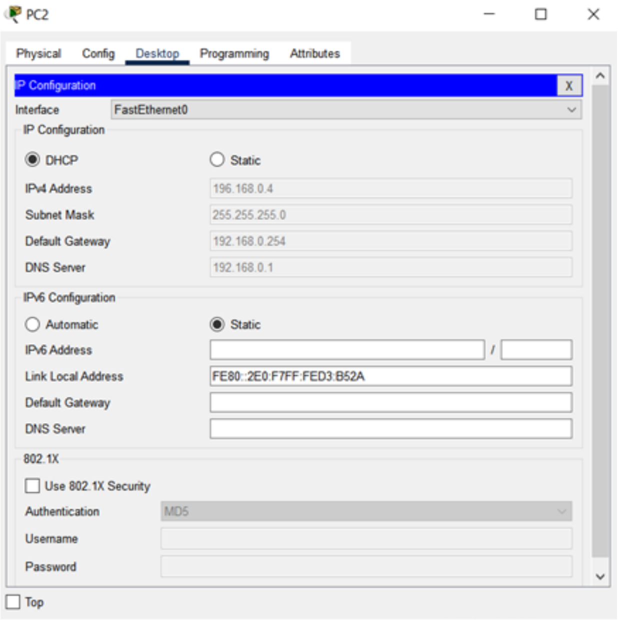
□ Use 802.1X Security

Authentication MD5

Username

Password

□ Top



PC2

Physical Config Desktop Programming Attributes

IP Configuration

Interface FastEthernet0

IP Configuration

● DHCP ○ Static

IPv4 Address 196.168.0.4

Subnet Mask 255.255.255.0

Default Gateway 192.168.0.254

DNS Server 192.168.0.1

IPv6 Configuration

○ Automatic ● Static

IPv6 Address /

Link Local Address FE80::2E0:F7FF:FED3:B52A

Default Gateway

DNS Server

802.1X

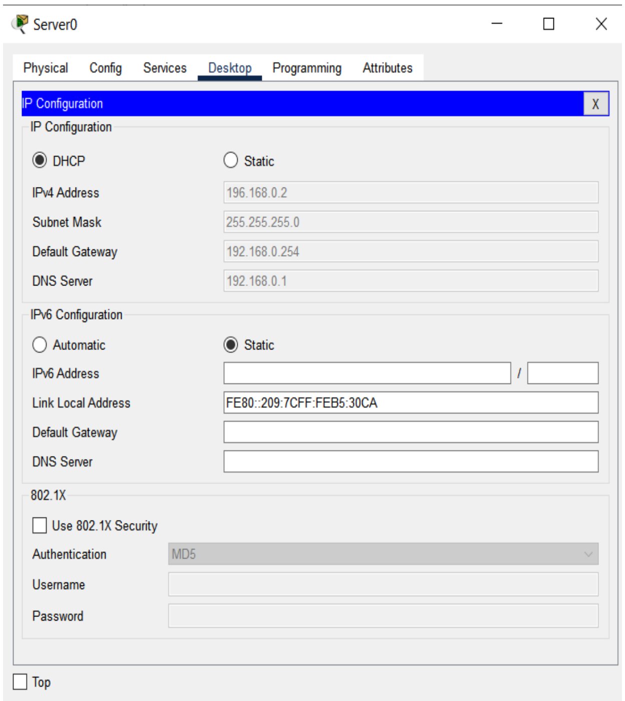
□ Use 802.1X Security

Authentication MD5

Username

Password

□ Top



IP Configuration

IP Configuration

● DHCP ○ Static

IPv4 Address 196.168.0.2

Subnet Mask 255.255.255.0

Default Gateway 192.168.0.254

DNS Server 192.168.0.1

IPv6 Configuration

○ Automatic ● Static

IPv6 Address /

Link Local Address FE80::209:7CFF:FEB5:30CA

Default Gateway

DNS Server

802.1X

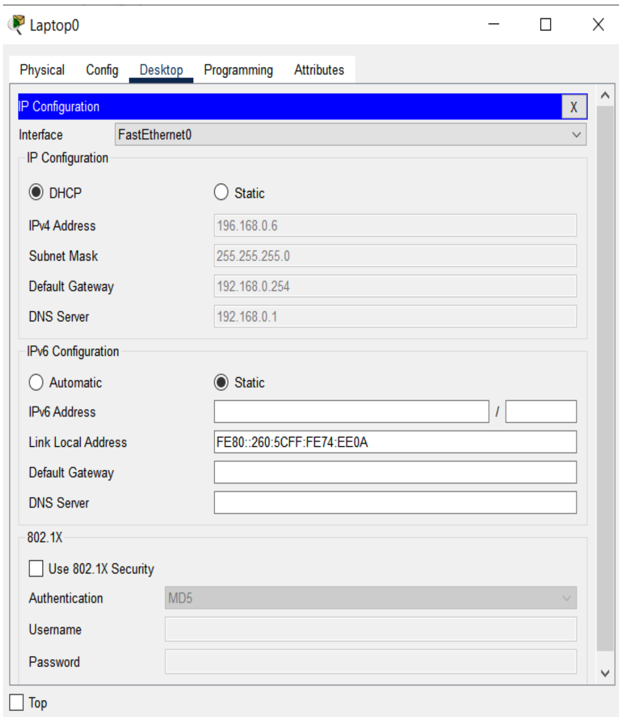
□ Use 802.1X Security

Authentication MD5

Username

Password

□ Top



IP Configuration

Interface FastEthernet0

IP Configuration

● DHCP ○ Static

IPv4 Address 196.168.0.6

Subnet Mask 255.255.255.0

Default Gateway 192.168.0.254

DNS Server 192.168.0.1

IPv6 Configuration

○ Automatic ● Static

IPv6 Address /

Link Local Address FE80::260:5CFF:FE74:EE0A

Default Gateway

DNS Server

802.1X

□ Use 802.1X Security

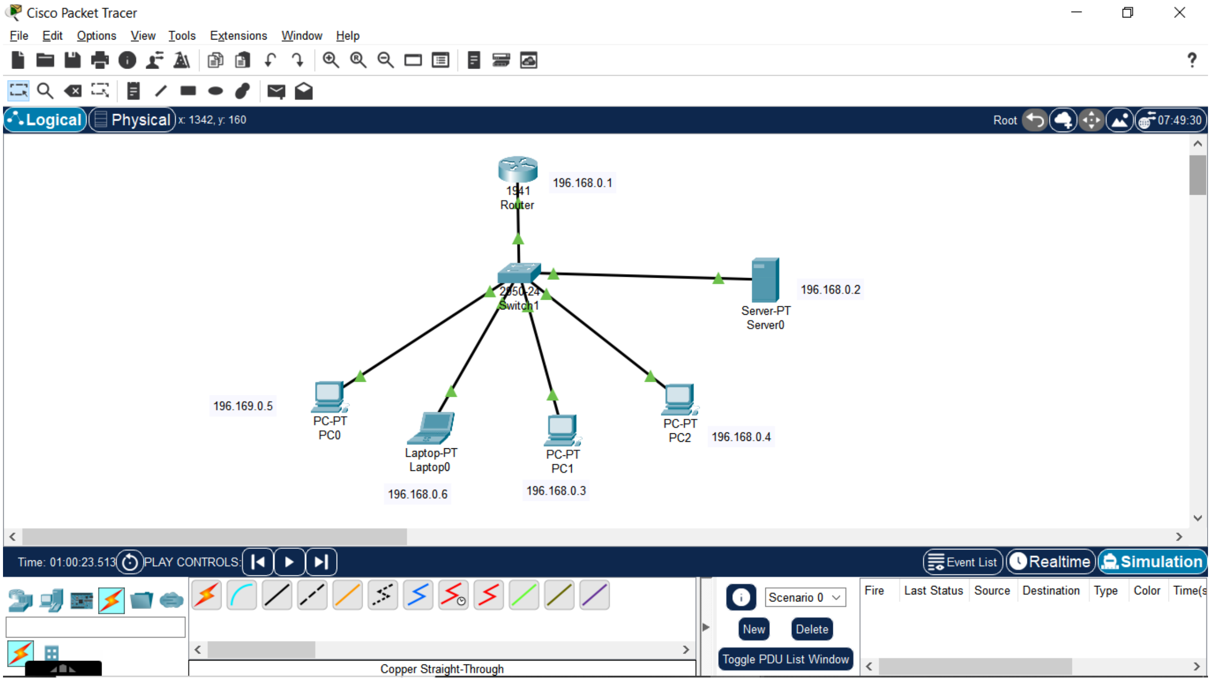
Authentication MD5

Username

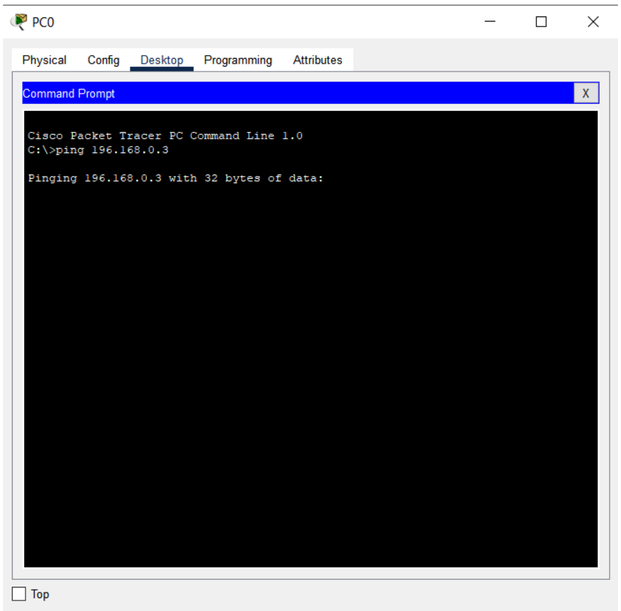
Password

□ Top

- A network has been established with all the devices having their IP addresses.

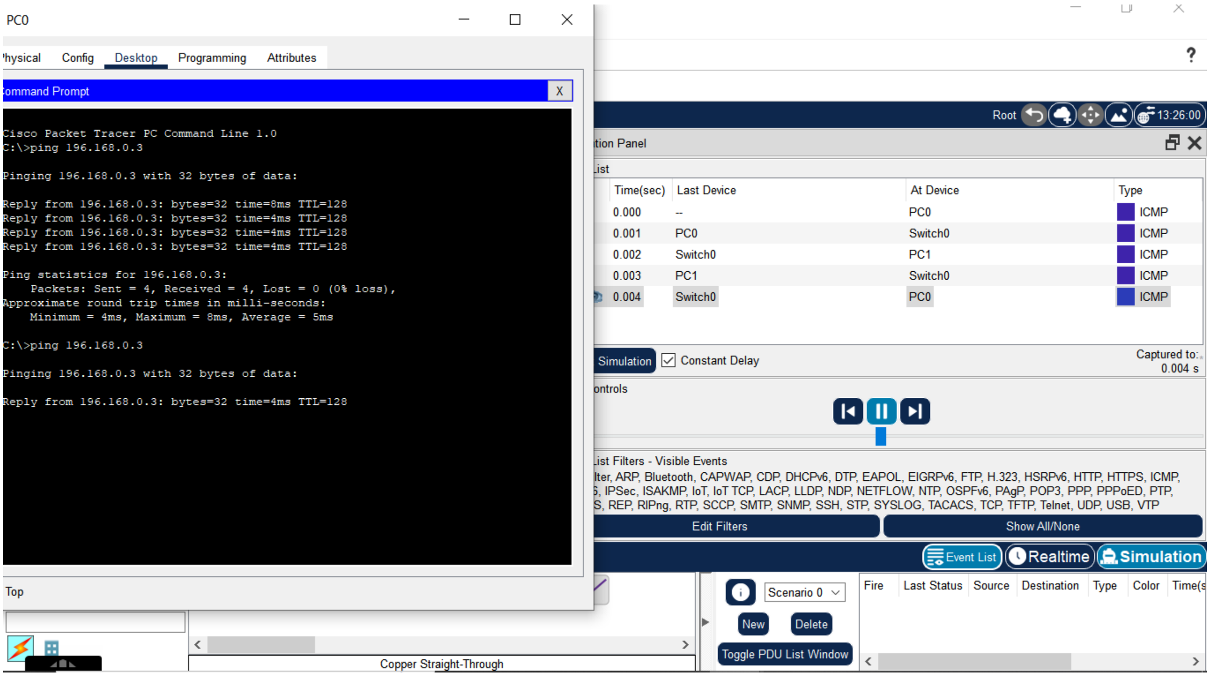


- Now, we simulate the network by sending a ping from one device to another.



```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 196.168.0.3

Pinging 196.168.0.3 with 32 bytes of data:
```

- In the simulation panel, we can see the packet being created at PC0.
- Then it is passed onto switch from where it gets the MAC address of the destination.
- The switch updates the MAC Address of the destination i.e. PC1.
- PC1, on receiving the packet sends the reply.
- The switch gets the reply and send it to the source, PC0.



```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 196.168.0.3

Pinging 196.168.0.3 with 32 bytes of data:

Reply from 196.168.0.3: bytes=32 time=8ms TTL=128
Reply from 196.168.0.3: bytes=32 time=4ms TTL=128
Reply from 196.168.0.3: bytes=32 time=4ms TTL=128
Reply from 196.168.0.3: bytes=32 time=4ms TTL=128

Ping statistics for 196.168.0.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 8ms, Average = 5ms

C:\>ping 196.168.0.3

Pinging 196.168.0.3 with 32 bytes of data:

Reply from 196.168.0.3: bytes=32 time=4ms TTL=128
```

Time(sec)	Last Device	At Device	Type
0.000	--	PC0	ICMP
0.001	PC0	Switch0	ICMP
0.002	Switch0	PC1	ICMP
0.003	PC1	Switch0	ICMP
0.004	Switch0	PC0	ICMP

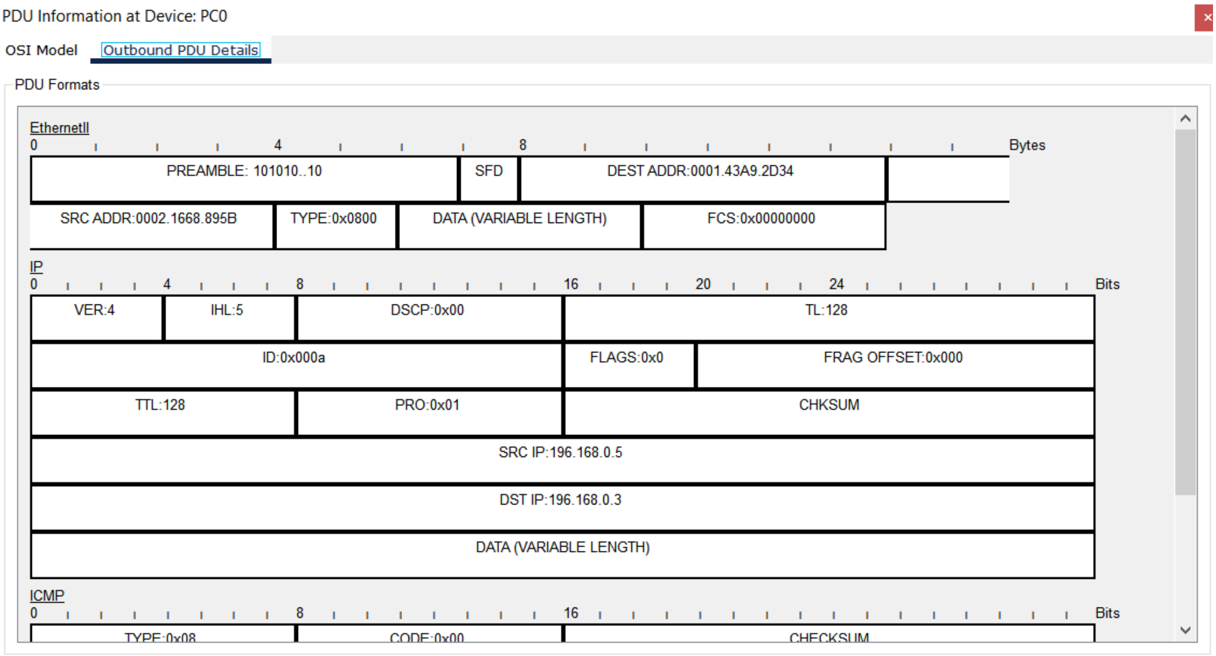
☑ Constant Delay

Captured to:
0.004 s

List Filters - Visible Events
lter, ARP, Bluetooth, CAPWAP, CDP, DHCPv6, DTP, EAPOL, EIGRPv6, FTP, H.323, HSRPv6, HTTP, HTTPS, ICMP, 6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, NDP, NETFLOW, NTP, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, S, REP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Fire	Last Status	Source	Destination	Type	Color	Time(s

- Outgoing packet details from PC0 to switch



PDU Information at Device: PC0

EthernetII

PREAMBLE: 101010..10 | SFD | DEST ADDR:0001.43A9.2D34

SRC ADDR:0002.1668.895B | TYPE:0x0800 | DATA (VARIABLE LENGTH) | FCS:0x00000000

IP

VER:4 | IHL:5 | DSCP:0x00 | TL:128

ID:0x000a | FLAGS:0x0 | FRAG OFFSET:0x000

TTL:128 | PRO:0x01 | CHKSUM

SRC IP:196.168.0.5

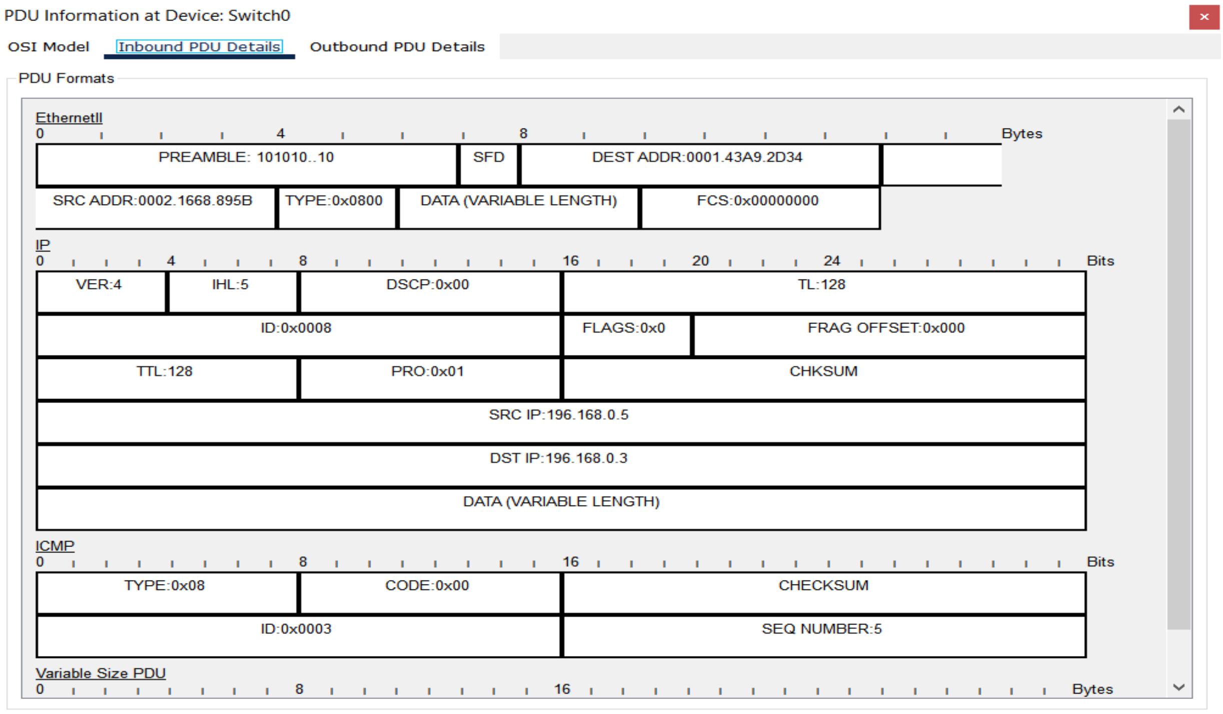
DST IP:196.168.0.3

DATA (VARIABLE LENGTH)

ICMP

TYPE:0x08 | CODE:0x00 | CHECKSUM

- Incoming packet details to switch



PDU Information at Device: Switch0

PDU Formats

EthernetII

PREAMBLE: 101010..10 | SFD | DEST ADDR:0001.43A9.2D34

SRC ADDR:0002.1668.895B | TYPE:0x0800 | DATA (VARIABLE LENGTH) | FCS:0x00000000

IP

VER:4 | IHL:5 | DSCP:0x00 | TL:128

ID:0x0008 | FLAGS:0x0 | FRAG OFFSET:0x000

TTL:128 | PRO:0x01 | CHKSUM

SRC IP:196.168.0.5

DST IP:196.168.0.3

DATA (VARIABLE LENGTH)

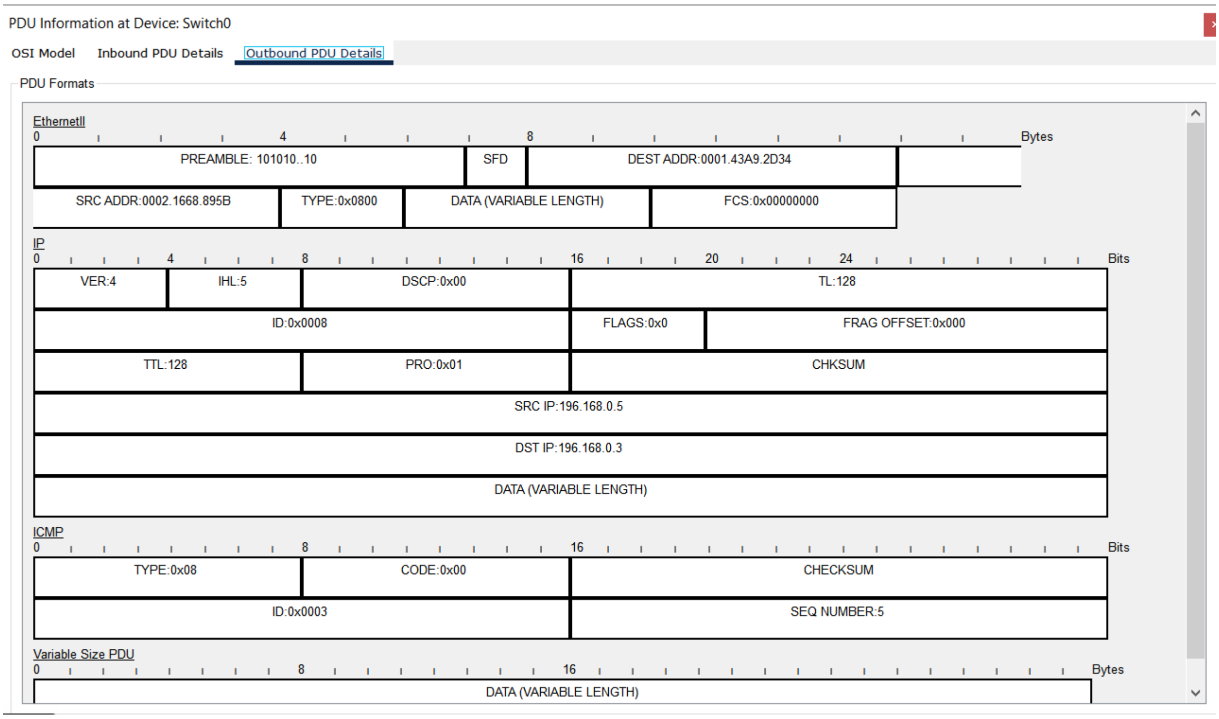
ICMP

TYPE:0x08 | CODE:0x00 | CHECKSUM

ID:0x0003 | SEQ NUMBER:5

Variable Size PDU

- Outgoing packet details from switch to PC1



PDU Information at Device: Switch0

PDU Formats

EthernetII

PREAMBLE: 101010..10 | SFD | DEST ADDR:0001.43A9.2D34

SRC ADDR:0002.1668.895B | TYPE:0x0800 | DATA (VARIABLE LENGTH) | FCS:0x00000000

IP

VER:4 | IHL:5 | DSCP:0x00 | TL:128

ID:0x0008 | FLAGS:0x0 | FRAG OFFSET:0x000

TTL:128 | PRO:0x01 | CHKSUM

SRC IP:196.168.0.5

DST IP:196.168.0.3

DATA (VARIABLE LENGTH)

ICMP

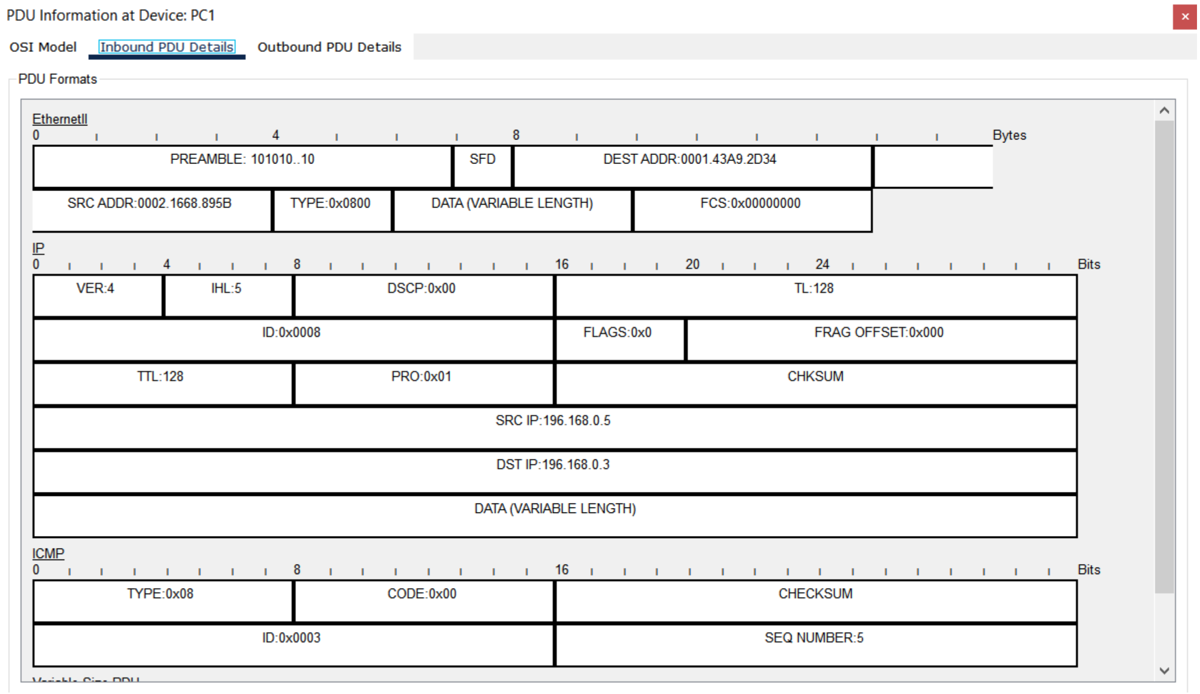
TYPE:0x08 | CODE:0x00 | CHECKSUM

ID:0x0003 | SEQ NUMBER:5

Variable Size PDU

DATA (VARIABLE LENGTH)

- Incoming packet details from switch to PC1



EthernetII

PREAMBLE: 101010..10 | SFD | DEST ADDR:0001.43A9.2D34

SRC ADDR:0002.1668.895B | TYPE:0x0800 | DATA (VARIABLE LENGTH) | FCS:0x00000000

IP

VER:4 | IHL:5 | DSCP:0x00 | TL:128

ID:0x0008 | FLAGS:0x0 | FRAG OFFSET:0x000

TTL:128 | PRO:0x01 | CHKSUM

SRC IP:196.168.0.5

DST IP:196.168.0.3

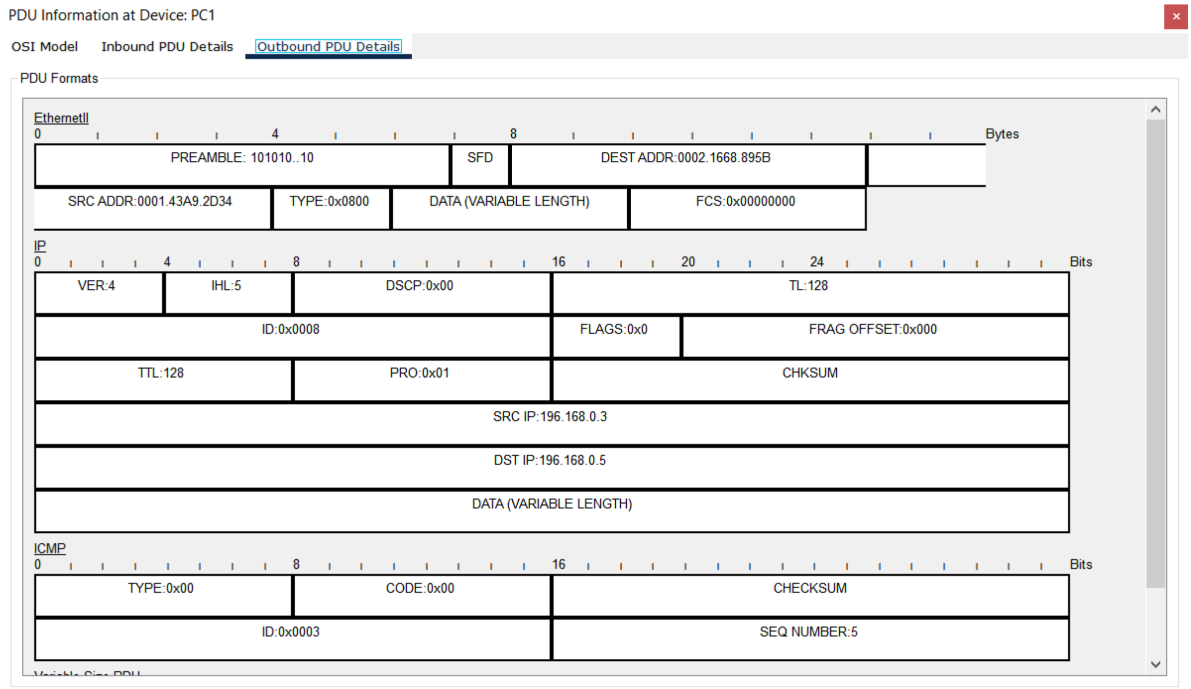
DATA (VARIABLE LENGTH)

ICMP

TYPE:0x08 | CODE:0x00 | CHECKSUM

ID:0x0003 | SEQ NUMBER:5

- Outgoing packet details from PC1 to switch



EthernetII

PREAMBLE: 101010..10 | SFD | DEST ADDR:0002.1668.895B

SRC ADDR:0001.43A9.2D34 | TYPE:0x0800 | DATA (VARIABLE LENGTH) | FCS:0x00000000

IP

VER:4 | IHL:5 | DSCP:0x00 | TL:128

ID:0x0008 | FLAGS:0x0 | FRAG OFFSET:0x000

TTL:128 | PRO:0x01 | CHKSUM

SRC IP:196.168.0.3

DST IP:196.168.0.5

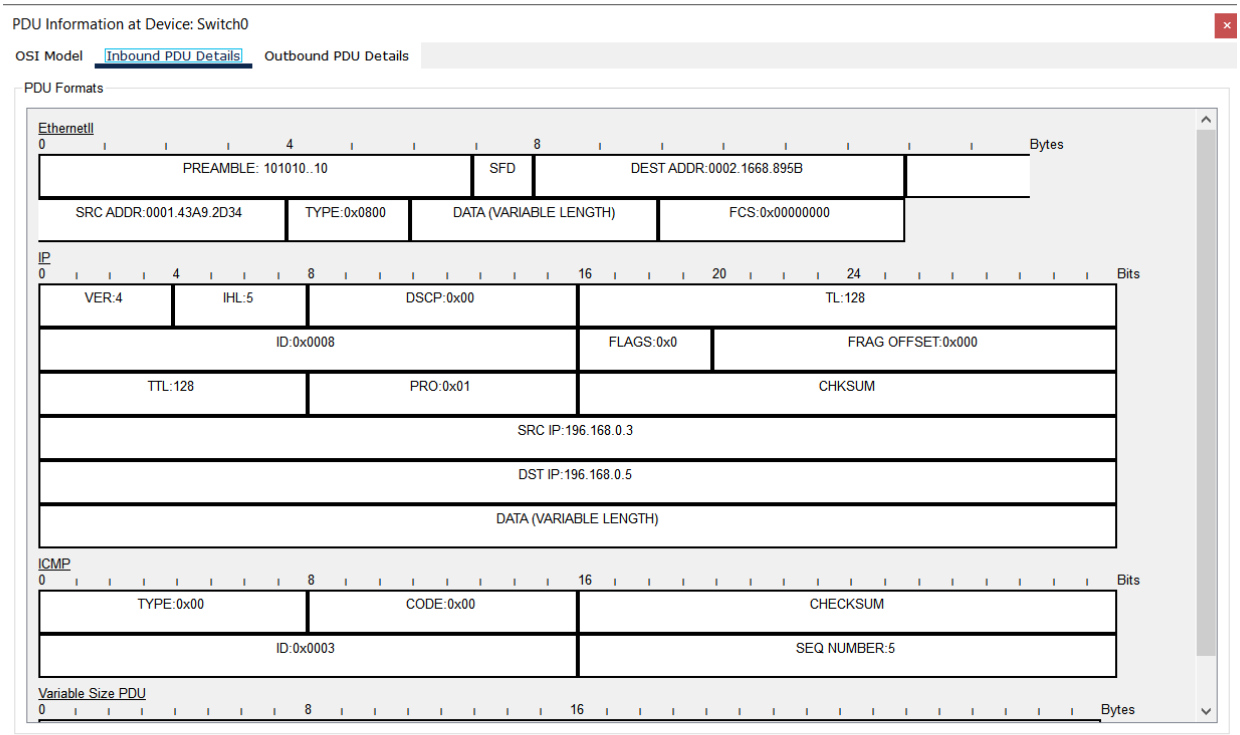
DATA (VARIABLE LENGTH)

ICMP

TYPE:0x00 | CODE:0x00 | CHECKSUM

ID:0x0003 | SEQ NUMBER:5

- Incoming packet details from PC1 to switch



EthernetII

PREAMBLE: 101010..10 | SFD | DEST ADDR:0002.1668.895B

SRC ADDR:0001.43A9.2D34 | TYPE:0x0800 | DATA (VARIABLE LENGTH) | FCS:0x00000000

IP

VER:4 | IHL:5 | DSCP:0x00 | TL:128

ID:0x0008 | FLAGS:0x0 | FRAG OFFSET:0x000

TTL:128 | PRO:0x01 | CHKSUM

SRC IP:196.168.0.3

DST IP:196.168.0.5

DATA (VARIABLE LENGTH)

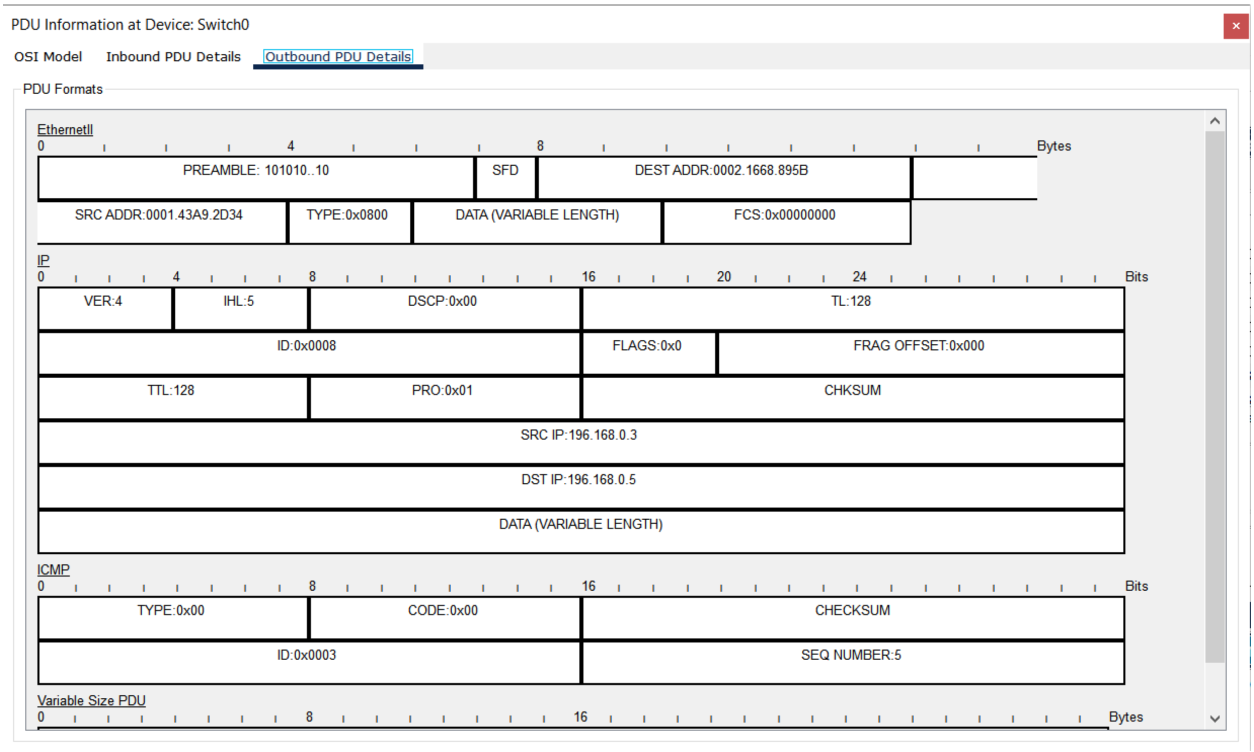
ICMP

TYPE:0x00 | CODE:0x00 | CHECKSUM

ID:0x0003 | SEQ NUMBER:5

Variable Size PDU

- Outgoing packet details from switch to PC0



EthernetII

PREAMBLE: 101010..10 | SFD | DEST ADDR:0002.1668.895B

SRC ADDR:0001.43A9.2D34 | TYPE:0x0800 | DATA (VARIABLE LENGTH) | FCS:0x00000000

IP

VER:4 | IHL:5 | DSCP:0x00 | TL:128

ID:0x0008 | FLAGS:0x0 | FRAG OFFSET:0x000

TTL:128 | PRO:0x01 | CHKSUM

SRC IP:196.168.0.3

DST IP:196.168.0.5

DATA (VARIABLE LENGTH)

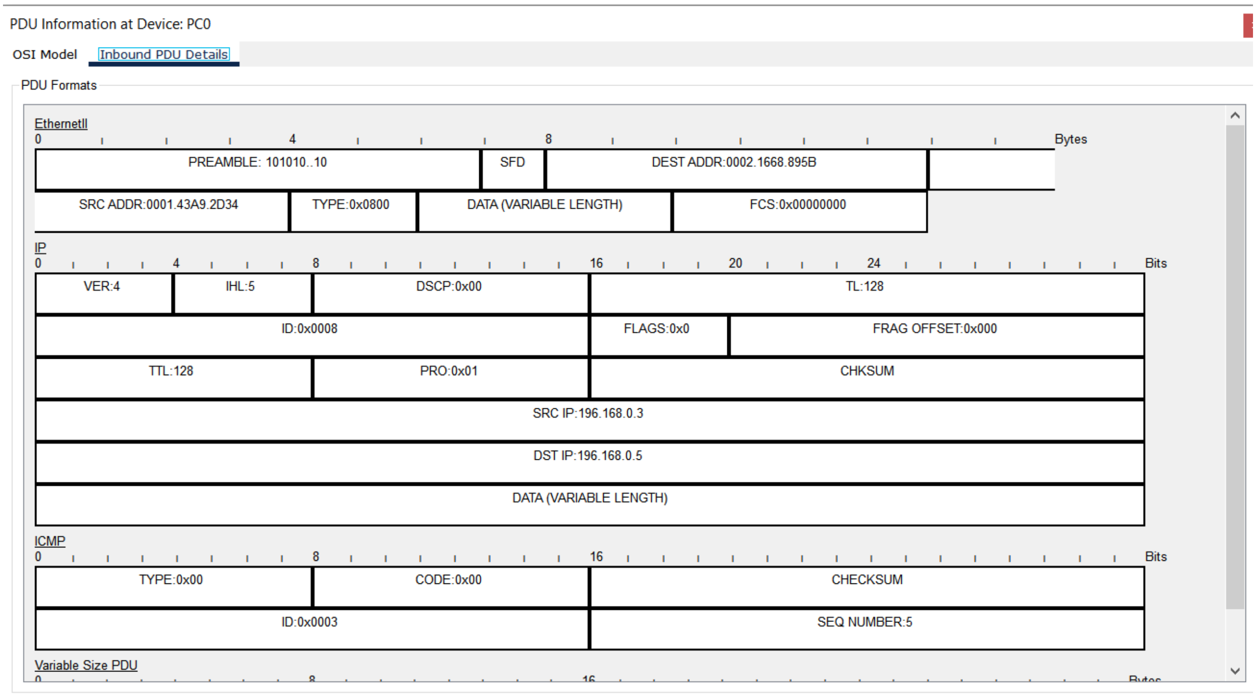
ICMP

TYPE:0x00 | CODE:0x00 | CHECKSUM

ID:0x0003 | SEQ NUMBER:5

Variable Size PDU

- Incoming packet details from switch to PC0



EthernetII

PREAMBLE: 101010..10	SFD	DEST ADDR:0002.1668.895B	
SRC ADDR:0001.43A9.2D34	TYPE:0x0800	DATA (VARIABLE LENGTH)	FCS:0x00000000

IP

VER:4	IHL:5	DSCP:0x00	TL:128
ID:0x0008		FLAGS:0x0	FRAG OFFSET:0x000
TTL:128	PRO:0x01	CHKSUM	
SRC IP:196.168.0.3			
DST IP:196.168.0.5			
DATA (VARIABLE LENGTH)			

ICMP

TYPE:0x00	CODE:0x00	CHECKSUM
ID:0x0003		SEQ NUMBER:5

Variable Size PDU