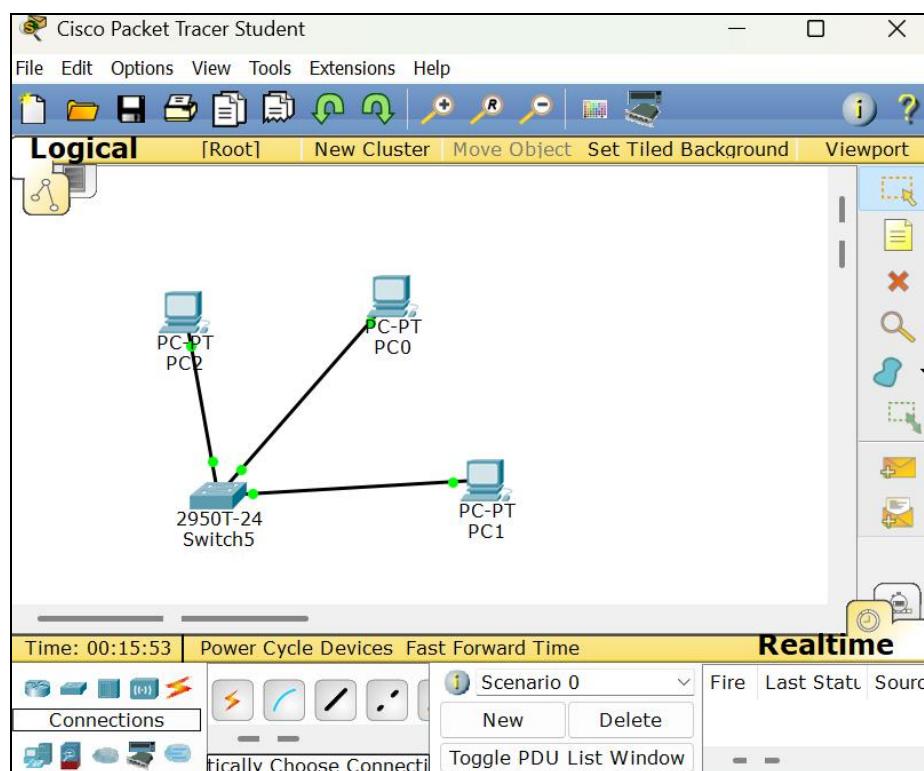
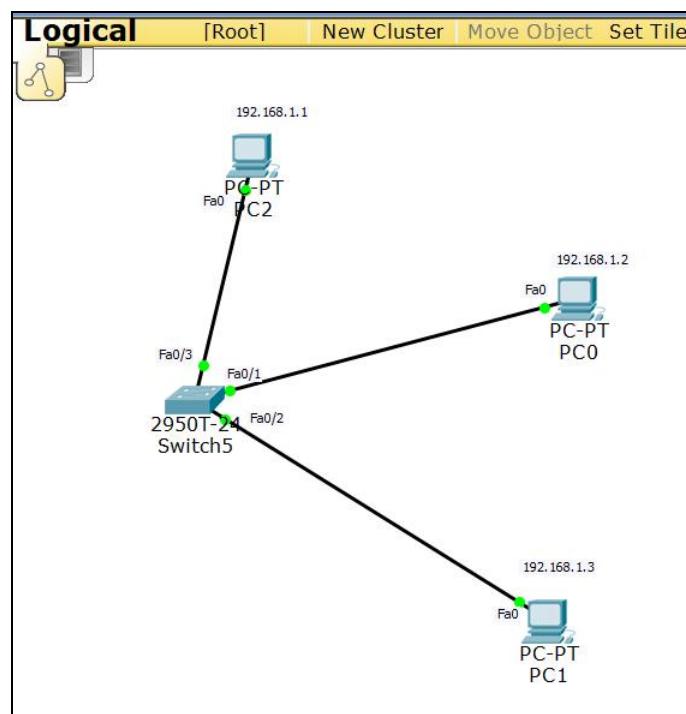


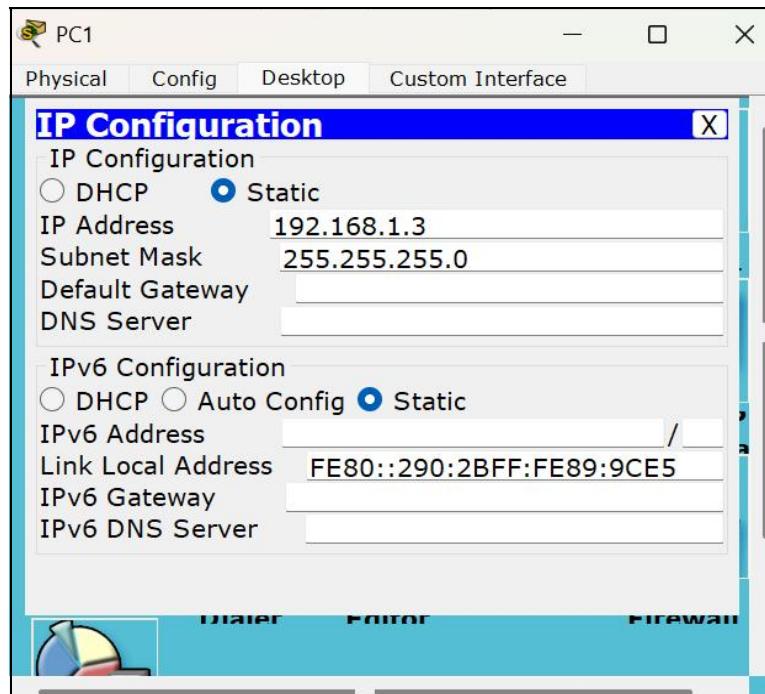
CONNECTING 3PCs TOGETHER WITH A SWITCH

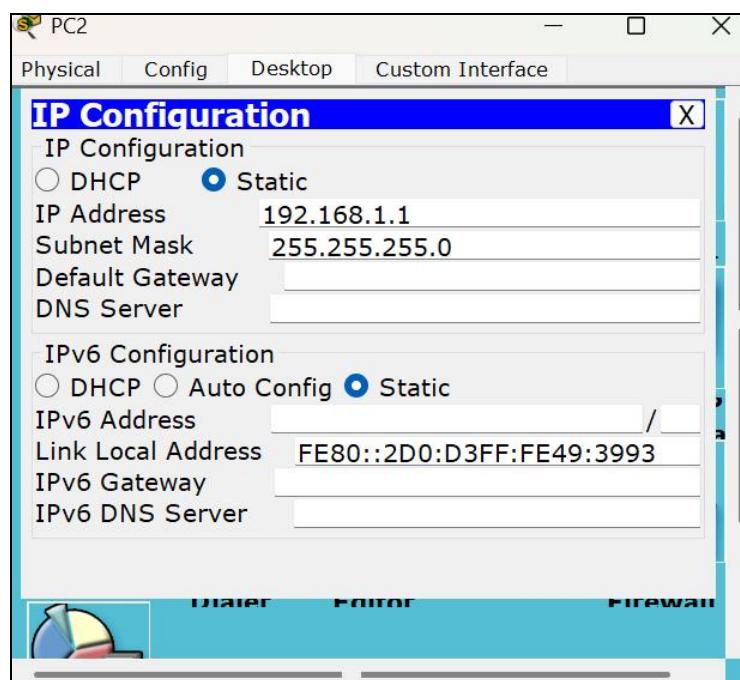
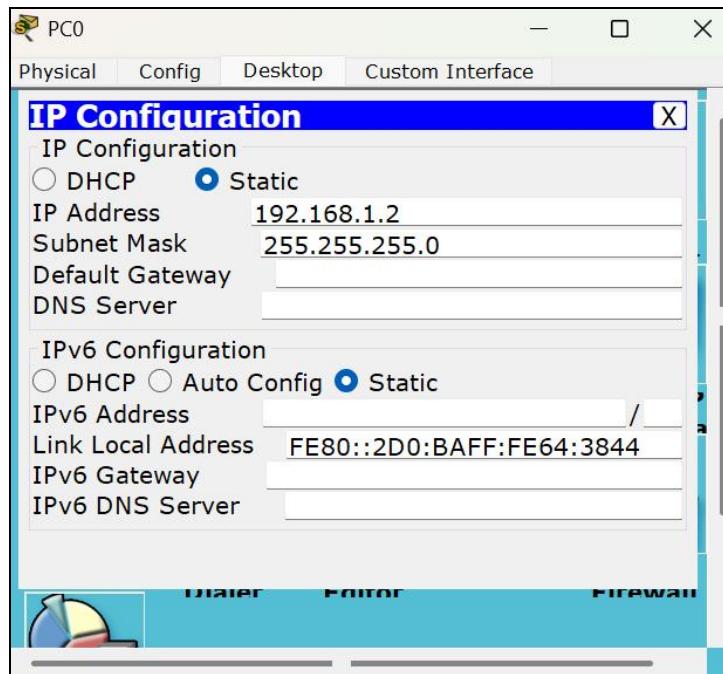
- Take three PCs and assign the following IPs:
PC0: 192.168.1.2 with subnet mask 255.255.255.0
PC1: 192.168.1.0 with subnet 255.255.255.0
PC2: 192.168.1.1 with subnet 255.255.255.0
- Use the ping command to check the connectivity between the three systems.
- Did PC1 reply to PC2?
- Did PC1 reply to PC3?



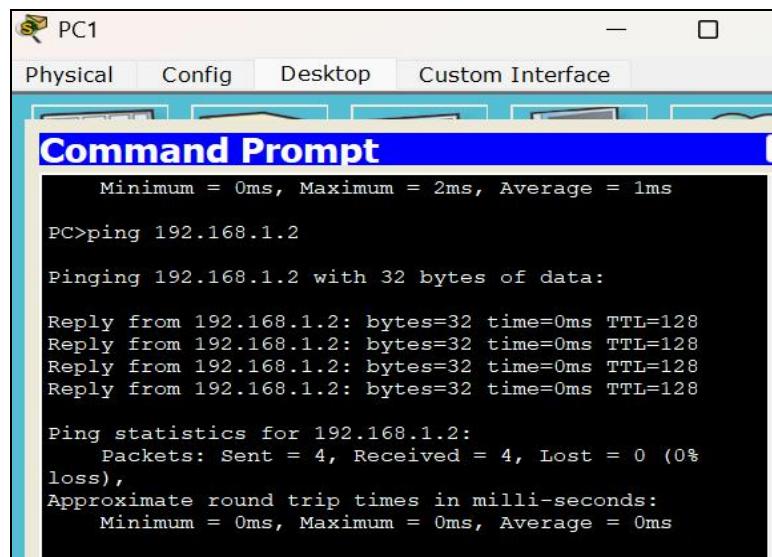


Configuring PC0, PC1, PC2 -ip addresses





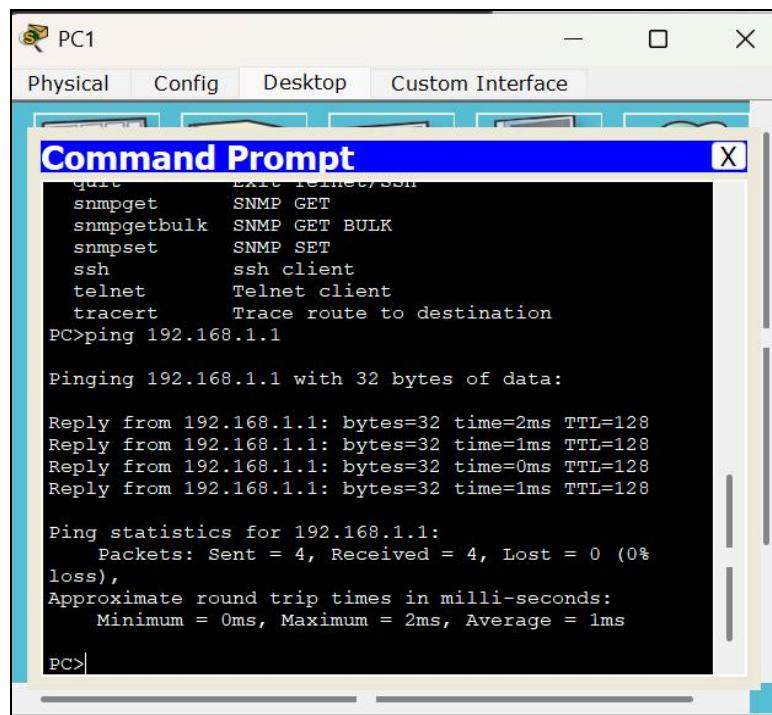
Configuring PC1's CLI and ping other two PCs



```
PC1
Physical Config Desktop Custom Interface

Command Prompt
Minimum = 0ms, Maximum = 2ms, Average = 1ms
PC>ping 192.168.1.2
Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```



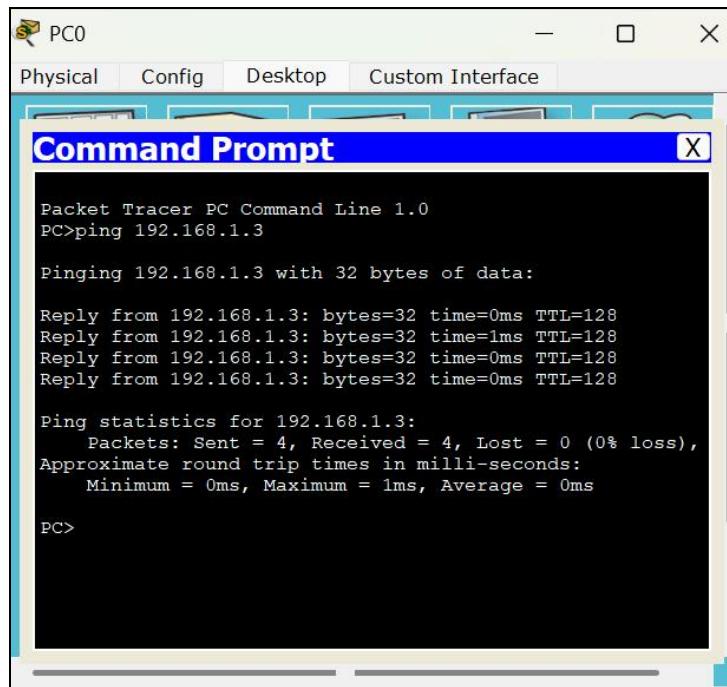
```
PC1
Physical Config Desktop Custom Interface

Command Prompt
quit      EXIT telnet/SSH
snmpget   SNMP GET
snmpgetbulk SNMP GET BULK
snmpset   SNMP SET
ssh       ssh client
telnet    Telnet client
tracert   Trace route to destination
PC>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128
Reply from 192.168.1.1: bytes=32 time=1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=0ms TTL=128
Reply from 192.168.1.1: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 1ms
PC>
```

Configuring PC0's CLI and ping other two PCs



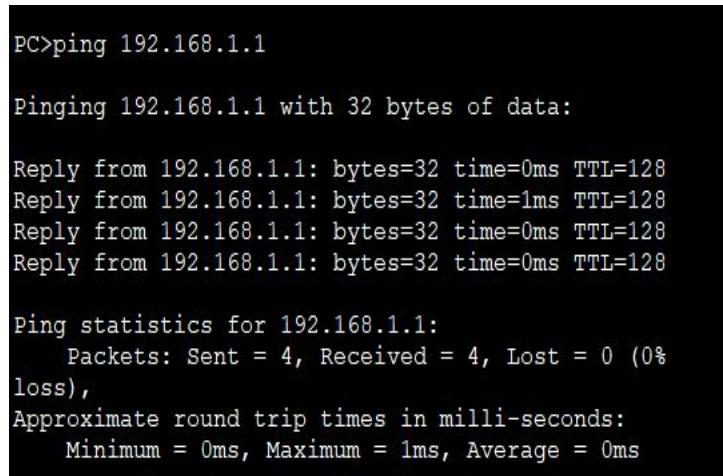
```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time=0ms TTL=128
Reply from 192.168.1.3: bytes=32 time=1ms TTL=128
Reply from 192.168.1.3: bytes=32 time=0ms TTL=128
Reply from 192.168.1.3: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>
```



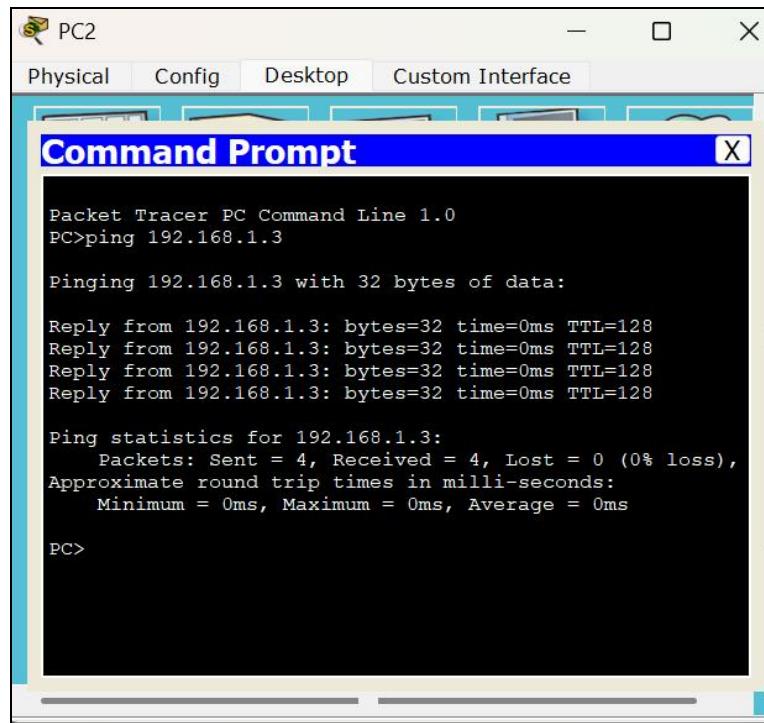
```
PC>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=0ms TTL=128
Reply from 192.168.1.1: bytes=32 time=1ms TTL=128
Reply from 192.168.1.1: bytes=32 time=0ms TTL=128
Reply from 192.168.1.1: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms
```

Configuring PC2's CLI and ping other two PCs



PC2

Physical Config Desktop Custom Interface

Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Reply from 192.168.1.3: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```

```
PC>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=0ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```

After pinging all PCs via CLI and checking it through simulation,

Simulation Panel

Event List

Vis.	Time(sec)	Last De	At Dev	Type	Info
0.756	--	Switc...	STP	STP	
0.757	Switch5	PC0	STP	STP	
0.757	Switch5	PC1	STP	STP	
0.757	Switch5	PC2	STP	STP	
2.762	--	Switc...	STP	STP	

Reset Simulation Constant Delay Capturing... *

Play Controls

Back Auto Capture / Play Capture / Forward

Event List Filters - Visible Events

ACL Filter, ARP, BGP, CDP, DHCP, DHCPv6, DNS, DTP, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, ISAKMP, LACP, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, RADIUS, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, VTP

Edit Filters Show All/None

Event List **Simulation**

Fire	Last Statu	Sourc	Destinat	Type	Colo	Time(s)	Period	Num	Edit	Delete
Successful	PC0		PC1	IC...	■	30.847	N	0	(ed...)	(delete)
Successful	PC0		PC1	IC...	■	0.000	N	1	(ed...)	(delete)

