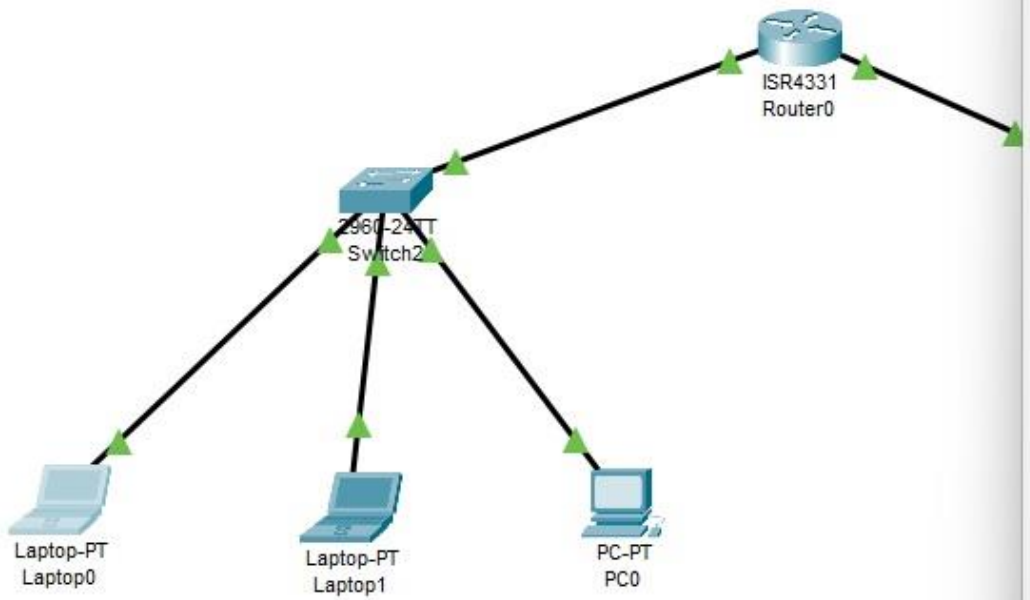
Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 377, y: 416



Time: 00:56:40

Start

Laptop0

Physical Config Desktop Programming Attributes

Command Prompt X

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.200.100

Pinging 192.168.200.100 with 32 bytes of data:

Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127
Reply from 192.168.200.100: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.200.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
C:\>ping 192.168.100.103

Pinging 192.168.100.103 with 32 bytes of data:

Reply from 192.168.100.103: bytes=32 time<1ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128
Reply from 192.168.100.103: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.100.103:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
C:\>
```

Top

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 265, y: 412

Root 11:48:30

PDU Information at Device: Laptop0

OSI Model | Outbound PDU Details

At Device: Laptop0
Source: Laptop0
Destination: PC0

In Layers	Out Layers
Layer7	Layer7
Layer6	Layer6
Layer5	Layer5
Layer4	Layer4
Layer3	Layer 3: IP Header Src. IP: 192.168.100.100, Dest. IP: 192.168.100.103 ICMP Message Type: 8
Layer2	Layer 2: Ethernet II Header 00E0.B0D9.DD5E >> 00E0.B041.2ACC
Layer1	Layer 1: Port(s): FastEthernet0

1. The Ping process starts the next ping request.
2. The Ping process creates an ICMP Echo Request message and sends it to the lower process.
3. The source IP address is not specified. The device sets it to the port's IP address.
4. The device sets TTL in the packet header.
5. The destination IP address is in the same subnet. The device sets the next-hop to destination.

Challenge Me | << Previous Layer | Next Layer >>

2960-24TT Switch2

Laptop-PT Laptop1

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--
	0.000	--
	0.000	--

Reset Simulation | Constant Delay | Captured to: 0.000 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters | Show All/None

Time: 01:07:14.287 PLAY CONTROLS:

Event List | Realtime | Simulation

Scenario 0

New | Delete

Toggle PDU List Window

Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit
In Progress	Laptop0	PC0	ICMP		0.000	N	0	(edit)
In Progress	Laptop0	Laptop2	ICMP		0.000	N	1	(edit)
In Progress	Laptop0	Laptop2	ICMP		0.000	N	2	(edit)

Copper Straight-Through

Cisco Packet Tracer

File Edit Options View Tools Extensions Window Help

Logical Physical x: 384, y: 222

Root 12:16:00

2960-24TT Switch2

Laptop-PT Laptop1

PDU Information at Device: Laptop0

OSI Model | Outbound PDU Details

At Device: Laptop0
Source: Laptop0
Destination: Laptop2

In Layers	Out Layers
Layer7	Layer7
Layer6	Layer6
Layer5	Layer5
Layer4	Layer4
Layer3	Layer 3: IP Header Src. IP: 192.168.100.100, Dest. IP: 192.168.200.100 ICMP Message Type: 8
Layer2	Layer 2: Ethernet II Header 00E0.B0D9.DD5E >> 0060.47B5.8B01
Layer1	Layer 1: Port(s):

1. The Ping process starts the next ping request.
2. The Ping process creates an ICMP Echo Request message and sends it to the lower process.
3. The source IP address is not specified. The device sets it to the port's IP address.
4. The device sets TTL in the packet header.
5. The destination IP address 192.168.200.100 is not in the same subnet and is not the broadcast address.
6. The default gateway is set. The device sets the next-hop to default gateway.

Challenge Me | << Previous Layer | Next Layer >>

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.000	--
	0.000	--
	0.000	--

Reset Simulation | Constant Delay | Captured to: 0.000 s

Play Controls

Event List Filters - Visible Events

ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters | Show All/None

Time: 01:07:14.287 PLAY CONTROLS:

Event List | Realtime | Simulation

Scenario 0

New | Delete

Toggle PDU List Window

Fire	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit
In Progress	Laptop0	PC0	ICMP		0.000	N	0	(edit)
In Progress	Laptop0	Laptop2	ICMP		0.000	N	1	(edit)
In Progress	Laptop0	Laptop2	ICMP		0.000	N	2	(edit)

Serial DTE