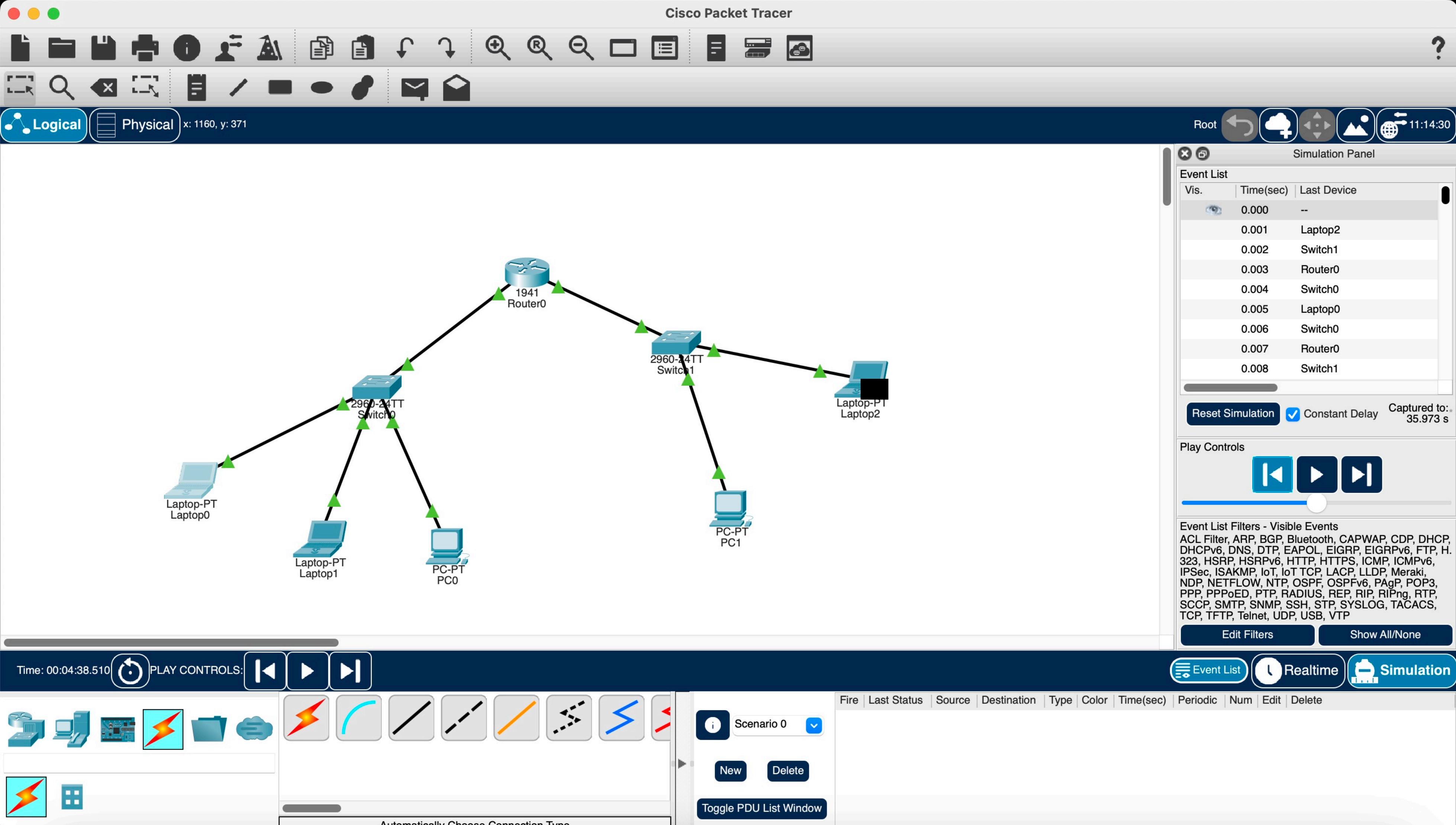
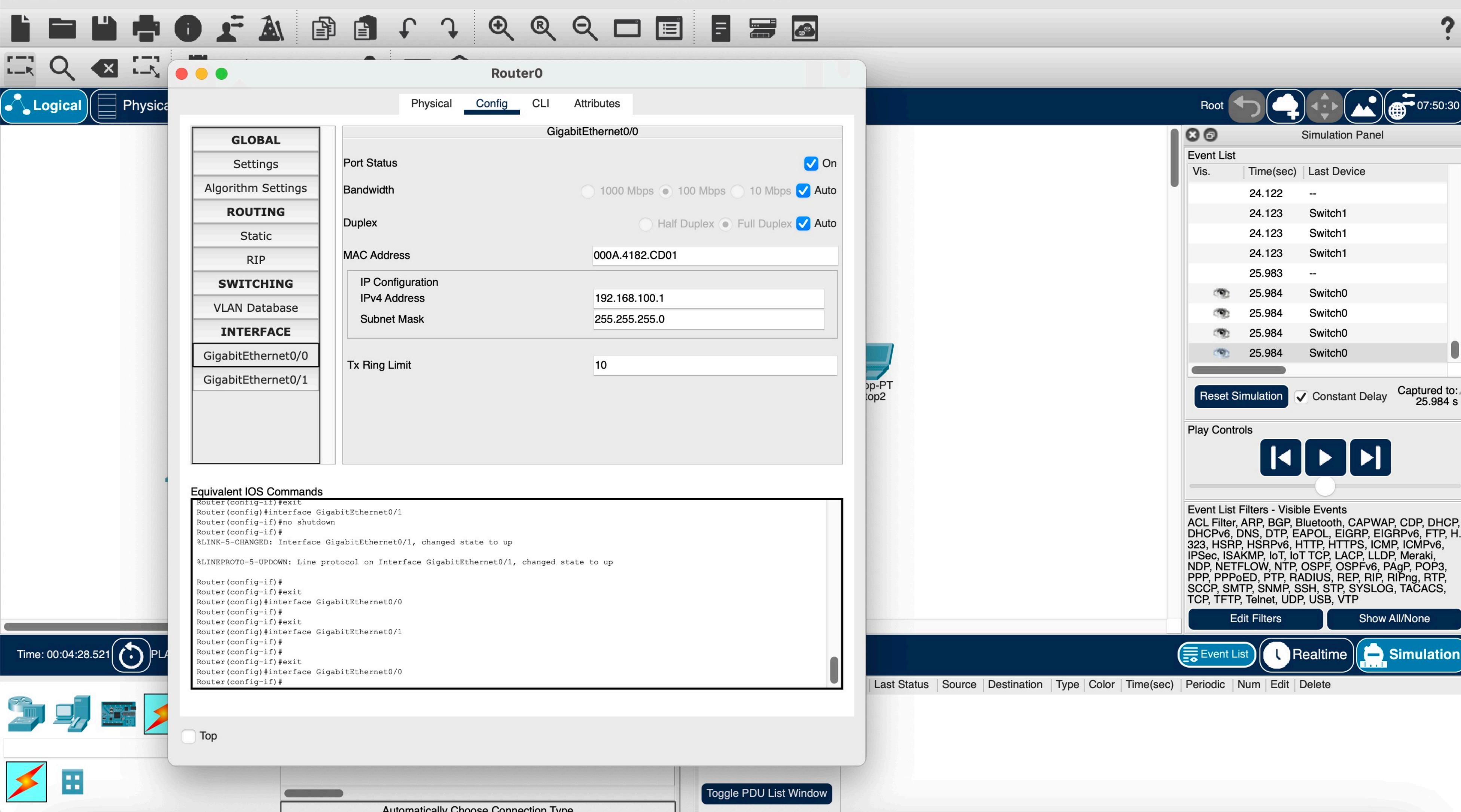


Esercizio W2D1 Consegna

- 1-creazione del sistema
- 2-Inserimento degli indirizzi Ip nel Router0
- 3-Inserimento indirizzo Ip Laptop0
- 4-inserimento indirizzo Ip pc0
- 5-Prova del collegamento funzionante tra Laptop0 e Pc0
- 6-Inserimento indirizzo Ip Laptop2
- 7-Funzionamento dell'invio del ping da Laptop0 a Laptop2



Cisco Packet Tracer



Cisco Packet Tracer

Router0

Physical Config CLI Attributes

GIGABITETHERNET0/1

Port Status: On (checked)

Bandwidth: 100 Mbps (selected)

Duplex: Full Duplex (selected)

MAC Address: 000A.4182.CD02

IP Configuration:

- IPv4 Address: 192.168.200.1
- Subnet Mask: 255.255.255.0

Tx Ring Limit: 10

Equivalent IOS Commands

```

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up

Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/1
Router(config-if)#

```

Time: 00:04:28.521

PLAY

Top

Automatically Choose Connection Type

Toggle PDU List Window

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
24.122	--	
24.123	Switch1	
24.123	Switch1	
24.123	Switch1	
25.983	--	
25.984	Switch0	

Reset Simulation Constant Delay Captured to: 25.984 s

Play Controls: ▶️

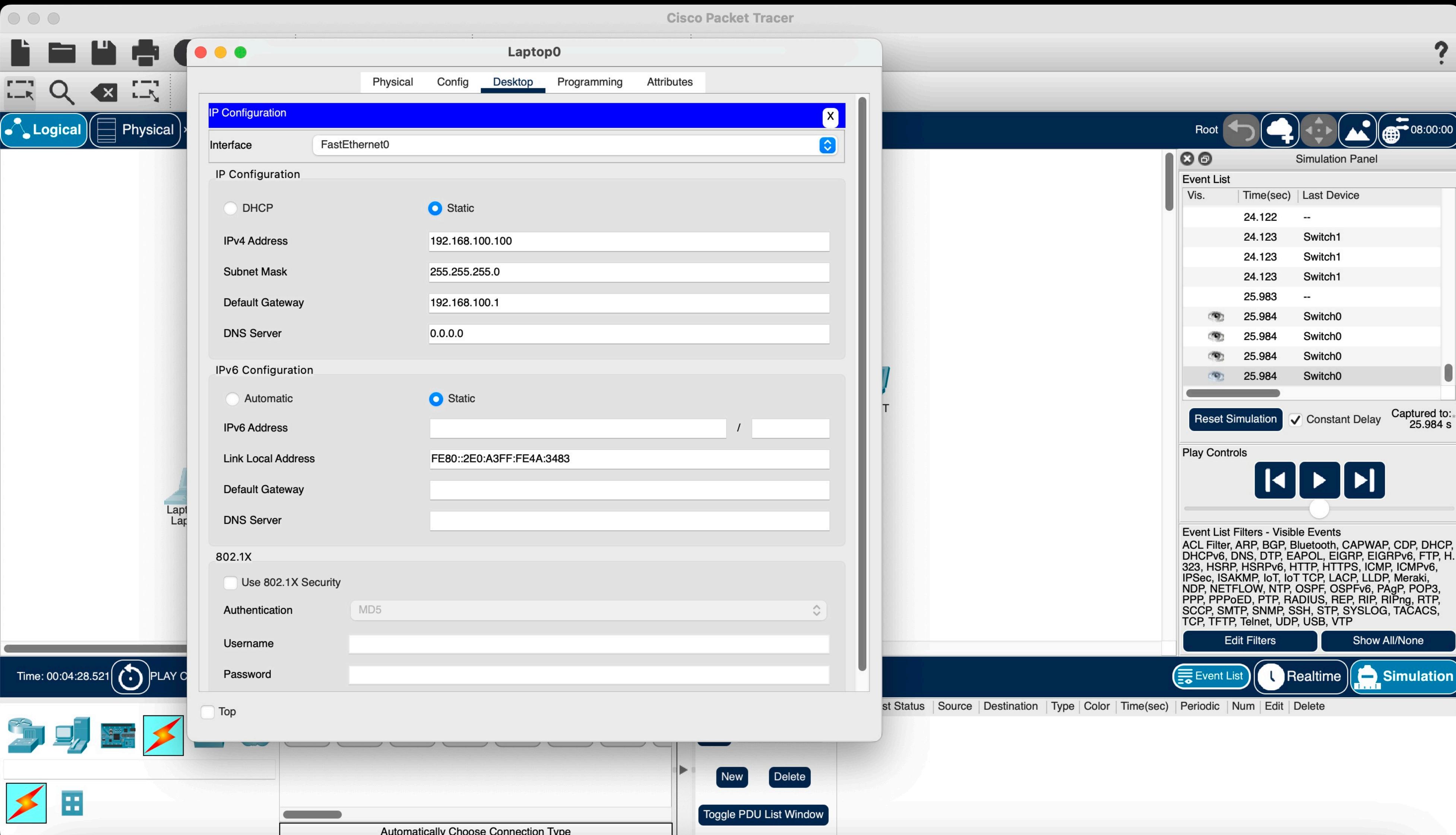
Event List Filters - Visible Events

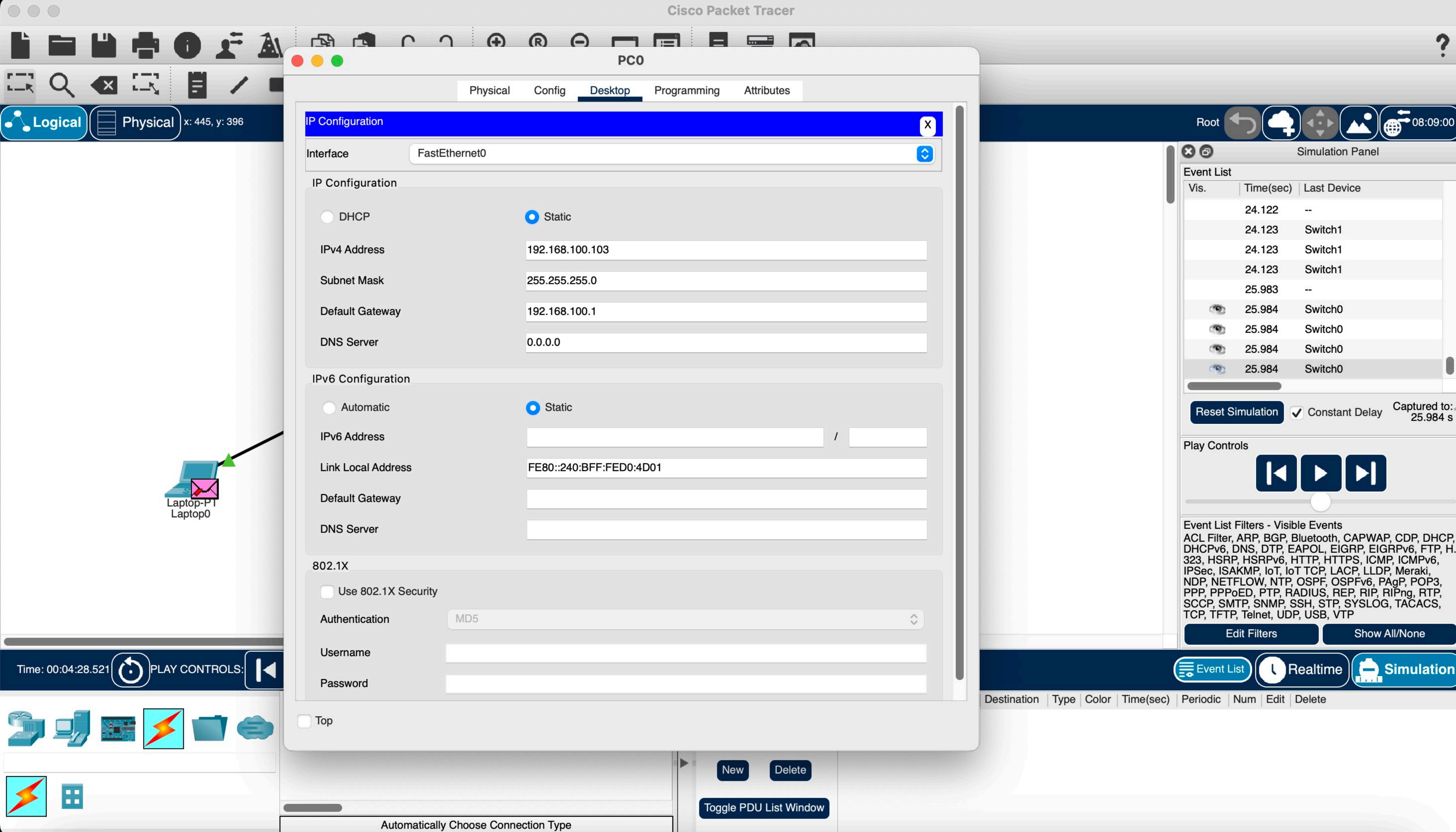
ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAPOL, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, Meraki, NDP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, POP3, PPP, PPPoED, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP,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

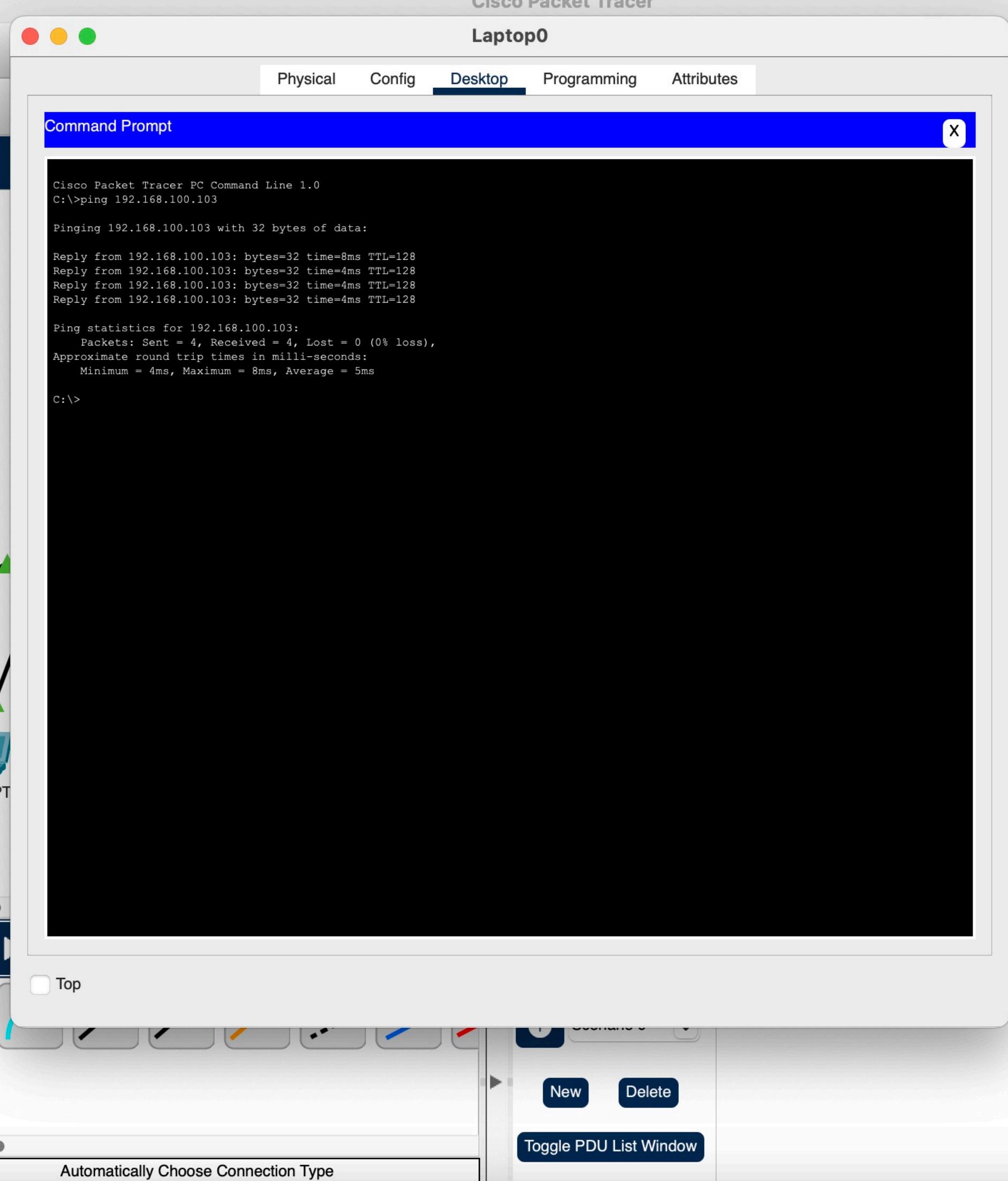
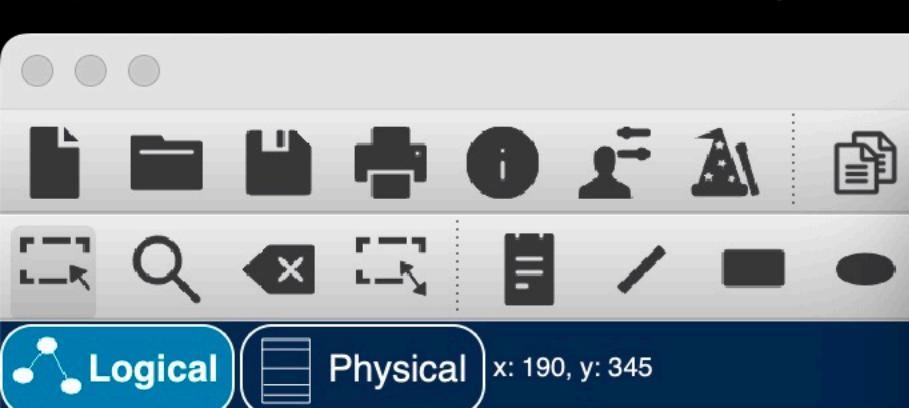
Edit Filters Show All/None

Event List Realtime Simulation

Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Num | Edit | Delete







Simulation Panel

Event List

Vis.	Time(sec)	Last Device
32.117	Switch1	
32.117	Switch1	
32.117	Switch1	
33.974	--	
33.975	Switch0	
34.003	--	

Reset Simulation Constant Delay Captured to: 34.003 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

Event List **Realtime** **Simulation**

Type | Color | Time(sec) | Periodic | Num | Edit | Delete

Cisco Packet Tracer

Laptop2

Physical Config Desktop Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration (Static):
IPv4 Address: 192.168.200.100
Subnet Mask: 255.255.255.0
Default Gateway: 192.168.200.1
DNS Server: 0.0.0.0

IPv6 Configuration (Static):
IPv6 Address: /
Link Local Address: FE80::2D0:FFFF:FE83:9A14
Default Gateway:
DNS Server:

802.1X:
 Use 802.1X Security
Authentication: MD5
Username:
Password:

Time: 00:04:28.521

New Delete Toggle PDU List Window

Automatically Choose Connection Type

Logical Physical

Root

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
24.122	--	
24.123	Switch1	
24.123	Switch1	
24.123	Switch1	
25.983	--	
25.984	Switch0	

Reset Simulation Constant Delay Captured to: 25.984 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

Event List Realtime Simulation

Last Status | Source | Destination | Type | Color | Time(sec) | Periodic | Num | Edit | Delete

?

Command Prompt



```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.100.100

Pinging 192.168.100.100 with 32 bytes of data:

Request timed out.
Reply from 192.168.100.100: bytes=32 time=8ms TTL=127
Reply from 192.168.100.100: bytes=32 time=8ms TTL=127
Reply from 192.168.100.100: bytes=32 time=8ms TTL=127

Ping statistics for 192.168.100.100:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 8ms, Average = 8ms

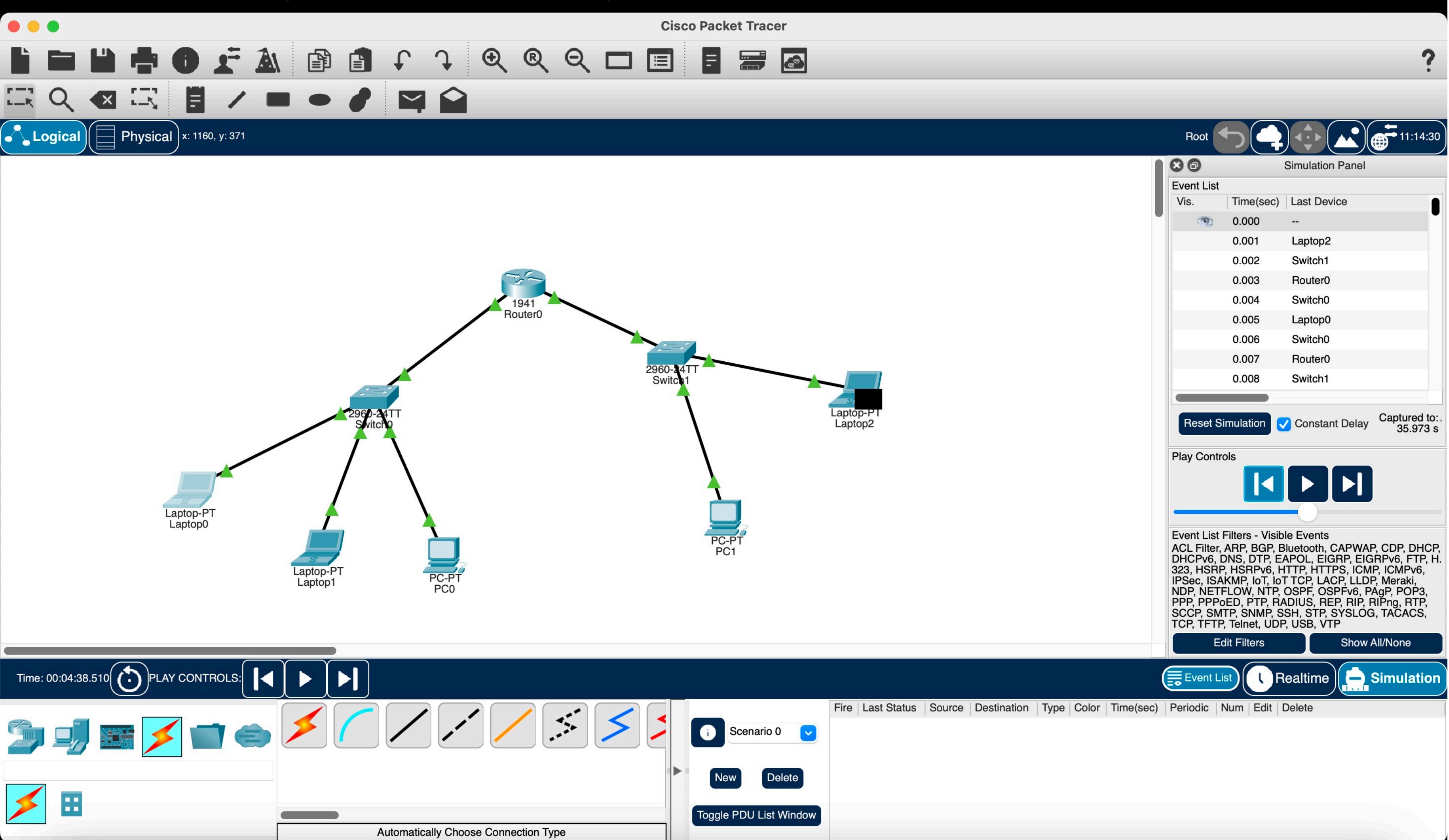
C:\>ping 192.168.100.100

Pinging 192.168.100.100 with 32 bytes of data:

Reply from 192.168.100.100: bytes=32 time=8ms TTL=127

Ping statistics for 192.168.100.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 8ms, Average = 8ms

C:\>
```



Queste ultime immagini mostrano come cambiano i mac address e i vari passaggi che fa.

Cisco Packet Tracer

The screenshot shows the Cisco Packet Tracer application running on a Mac OS X system. The main window displays a network topology with two laptop icons labeled "Laptop-PT Laptop0" and "Laptop-PT Laptop1" connected to a central switch icon labeled "Switch3". A context menu is open over the switch, showing options like "Logical" and "Physical". The "Physical" tab is selected, showing coordinates "x: 513, y: 179". The menu also includes standard Mac OS X window controls.

PDU Information at Device: Switch3

OSI Model

At Device: Switch3
Source: Laptop0
Destination: 192.168.200.100

In Layers

- Layer7
- Layer6
- Layer5
- Layer4
- Layer3
- Layer 2: Ethernet II Header
0004.9A99.038C >> 0090.2BBB.
3501
- Layer 1: Port FastEthernet0/2

Out Layers

- Layer7
- Layer6
- Layer5
- Layer4
- Layer3
- Layer 2: Ethernet II Header
0004.9A99.038C >> 0090.2BBB.
3501
- Layer 1: Port(s): FastEthernet0/1

1. FastEthernet0/2 receives the frame.

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
0.000	--	
0.001	Laptop0	

Reset Simulation Constant Delay Captured to: 0.001 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

PLAY CONTROLS: Time: 00:30:04.868

Icons: Network, Computer, Cloud, Lightning bolt, Folder, Network cable, Router, Firewall, Network port, Network card, Network adapter, Network interface, Network connection, Network link, Network path, Network route, Network segment, Network topology, Network connection type, Scenario, New, Delete, Toggle PDU List Window.

Bottom Dock: Icons for various Mac OS X applications including Finder, Mail, Safari, iMessage, Maps, Photos, iMovie, Calendar, Reminders, Stocks, Notes, App Store, iTunes Store, iBooks Store, System Preferences, Activity Monitor, Terminal, and Trash.

Cisco Packet Tracer

The screenshot shows a Cisco Packet Tracer simulation. In the center, a tooltip window titled "PDU Information at Device: Router1" provides details about a packet being processed. The "OST Model" tab is selected. The "Inbound PDU Details" section shows the packet's path: "At Device: Router1", "Source: Laptop0", and "Destination: 192.168.200.100". The "Out Layers" section lists the layers of the packet: Layer 7, Layer 6, Layer 5, Layer 4, Layer 3 (IP Header), Layer 2 (Ethernet II Header), and Layer 1 (Port GigabitEthernet0/0). The "Layer 3" entry specifies an ICMP Message with source IP 192.168.100.100 and destination IP 192.168.200.100. The "Layer 2" entry shows the MAC addresses 0004.9A99.038C and 0090.2B8B. The "Layer 1" entry shows the port GigabitEthernet0/0.

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
0.000	--	
0.001	Laptop0	
0.002	Switch3	

Play Controls

Time: 00:30:04.869

PLAY CONTROLS:

Challenge Me << Previous Layer Next Layer >>

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

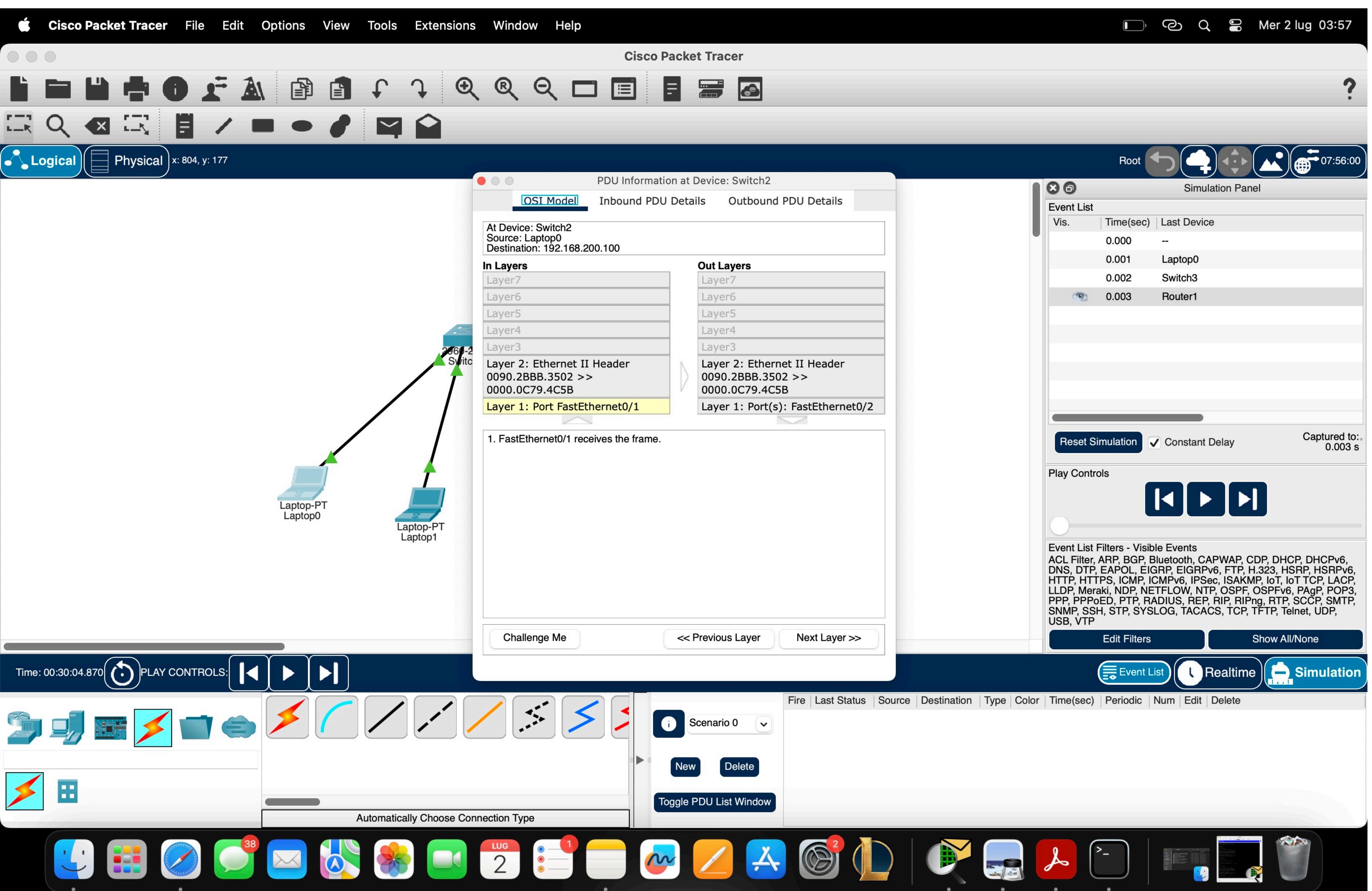
Edit Filters Show All/None

Event List Realtime Simulation

Automatically Choose Connection Type

Source Destination Type Color Time(sec) Periodic Num Edit Delete

Icons for various network components like routers, switches, and clouds are visible in the bottom left. The bottom right shows a Mac OS X dock with various application icons.



Cisco Packet Tracer

Logical Physical x: 1084, y: 246

PDU Information at Device: Laptop2

OST Model Inbound PDU Details Outbound PDU Details

At Device: Laptop2
Source: Laptop0
Destination: 192.168.200.100

In Layers Out Layers

Layer7 Layer7

Layer6 Layer6

Layer5 Layer5

Layer4 Layer4

Layer 3: IP Header Src. IP: 192.168.100.100, Dest. IP: 192.168.200.100 ICMP Message Type: 8

Layer 2: Ethernet II Header 0090.2BBB.3502 >> 0000.0C79.4C5B

Layer 1: Port FastEthernet0 Layer 1: Port(s): FastEthernet0

1. FastEthernet0 receives the frame.

Challenge Me << Previous Layer Next Layer >>

Time: 00:30:04.871 PLAY CONTROLS: |<|>|>|

Event List

Vis.	Time(sec)	Last Device
0.000	--	
0.001	Laptop0	
0.002	Switch3	
0.003	Router1	
0.004	Switch2	

Reset Simulation Constant Delay Captured to: 0.004 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

Event List Realtime Simulation

File Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Automatically Choose Connection Type

New Delete Toggle PDU List Window

