

Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

udp

No.	Time	Source	Destination	Protocol	Length	Info
28	71.988060	192.168.43.197	192.168.43.1	DNS	89	Standard query 0x9925 A connectivitycheck.gstatic.com
29	71.991055	192.168.43.197	192.168.43.1	DNS	89	Standard query 0x7e4a AAAA connectivitycheck.gstatic.com
30	72.037919	192.168.43.1	192.168.43.197	DNS	105	Standard query response 0x9925 A connectivitycheck.gstatic.com
31	72.045168	192.168.43.1	192.168.43.197	DNS	117	Standard query response 0x7e4a AAAA connectivitycheck.gstatic.com
38	72.133908	192.168.43.197	192.168.43.1	DNS	76	Standard query 0xa2d9 A www.gstatic.com
39	72.135746	192.168.43.197	192.168.43.1	DNS	76	Standard query 0x2cef AAAA www.gstatic.com
41	72.176890	192.168.43.1	192.168.43.197	DNS	166	Standard query response 0xa2d9 A www.gstatic.com
42	72.185685	192.168.43.1	192.168.43.197	DNS	178	Standard query response 0x2cef AAAA www.gstatic.com
76	72.654476	192.168.43.197	192.168.43.1	DNS	79	Standard query 0xb76 A connectivitycheck.gstatic.com
77	72.655705	192.168.43.197	192.168.43.1	DNS	79	Standard query 0x64f2 AAAA connectivitycheck.gstatic.com
79	72.696281	192.168.43.1	192.168.43.197	DNS	119	Standard query response 0xb76 A connectivitycheck.gstatic.com
80	72.704993	192.168.43.1	192.168.43.197	DNS	131	Standard query response 0x64f2 AAAA connectivitycheck.gstatic.com
125	73.393624	192.168.43.197	192.168.43.1	DNS	73	Standard query 0x53b4 A usconnectivitycheck.gstatic.com
126	73.395314	192.168.43.197	192.168.43.1	DNS	73	Standard query 0x4cc0 AAAA usconnectivitycheck.gstatic.com
128	73.440456	192.168.43.1	192.168.43.197	DNS	165	Standard query response 0x53b4 A usconnectivitycheck.gstatic.com
129	73.450899	192.168.43.1	192.168.43.197	DNS	205	Standard query response 0x4cc0 AAAA usconnectivitycheck.gstatic.com
174	74.044829	192.168.43.197	192.168.43.1	DNS	76	Standard query 0xb32e A www.gstatic.com
177	74.095048	192.168.43.1	192.168.43.197	DNS	121	Standard query response 0xb32e A www.gstatic.com
178	74.107068	192.168.43.197	192.168.43.1	DNS	78	Standard query 0xf39c A connectivitycheck.gstatic.com
179	74.107769	192.168.43.197	192.168.43.1	DNS	78	Standard query 0x106a AAAA connectivitycheck.gstatic.com

Frame 29: 89 bytes on wire (712 bits), 89 bytes captured (712 bits) on interface \Device\NPF\_{75504310-...}

Ethernet II, Src: Intel\_a2:c5:38 (dc:45:46:a2:c5:38), Dst: 26:9a:a8:83:e1:13 (26:9a:a8:83:e1:13)

Internet Protocol Version 4, Src: 192.168.43.197, Dst: 192.168.43.1

User Datagram Protocol, Src Port: 51485, Dst Port: 53

Domain Name System (query)

Wireshark - Packet 29 - Wi-Fi

Frame 29: 89 bytes on wire (712 bits), 89 bytes captured (712 bits) on interface \Device\NPF\_{75504310-...}

Ethernet II, Src: Intel\_a2:c5:38 (dc:45:46:a2:c5:38), Dst: 26:9a:a8:83:e1:13 (26:9a:a8:83:e1:13)

Internet Protocol Version 4, Src: 192.168.43.197, Dst: 192.168.43.1

0100 .... = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

Total length: 75

Identification: 0x0012 (18)

000. .... = Flags: 0x0

...0 0000 0000 0000 = Fragment Offset: 0

Time to Live: 128

0000 26 9a a8 83 e1 13 dc 45 46 a2 c5 38 08 00 04 00 &.....E F 8 E

0010 00 0b 00 12 00 00 00 11 00 00 c0 a8 2b c5 c0 a8 K.....+...

0020 2b 01 c9 1d 00 00 35 00 57 d8 5f 7e 4a 01 00 09 01 +....57...+...

0030 00 00 00 00 00 00 00 11 63 6f 6e 6e 65 63 74 69 75 .....connectiv

0040 69 74 79 63 68 65 63 6b 07 67 73 74 61 74 69 63 itycheck .gstatic

0050 03 63 6f 6d 00 00 1c 00 01 .....com....

No.: 29 - Time: 71.991055 - Source: 192.168.43.197 - Destination: 1.89 - Info: Standard query 0x7e4a AAAA connectivitycheck.gstatic.com

☒ Show packet bytes Layout: Vertical (Stacked)

Close Help

User Datagram Protocol: Protocol

Packets: 336 - Displayed: 49 (14.6%) - Dropped: 0 (0.0%) Profile: Default

95°F Partly sunny

Search

1:56 PM 4/4/2025

Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp

No.	Time	Source	Destination	Protocol	Length	Info
1	0.000000	2409:408d:298:8f3b::	2603:1040:a06:6::2	TLSv1.2	175	Application Data
2	0.003395	20.66.110.161	192.168.43.197	TCP	54	443 → 57632 [ACK] Seq=1 Ack=1 Win=1 Len=0
3	0.003710	192.168.43.197	20.66.110.161	TCP	54	[TCP ACKed unseen segment]
4	0.075940	2603:1040:a06:6::2	2409:408d:298:8f3b::	TLSv1.2	245	Application Data
5	0.122125	2409:408d:298:8f3b::	2603:1040:a06:6::2	TCP	74	49450 → 443 [ACK] Seq=102
6	7.304821	2409:408d:298:8f3b::	64:ff9b::34e0:6ca9	TLSv1.2	453	Application Data
7	7.305472	2409:408d:298:8f3b::	64:ff9b::34e0:6ca9	TCP	1444	57524 → 443 [ACK] Seq=380
8	7.590161	64:ff9b::34e0:6ca9	2409:408d:298:8f3b::	TCP	74	443 → 57524 [ACK] Seq=1 A
9	7.590161	64:ff9b::34e0:6ca9	2409:408d:298:8f3b::	TCP	74	443 → 57524 [ACK] Seq=1 A
10	7.590494	2409:408d:298:8f3b::	64:ff9b::34e0:6ca9	TLSv1.2	1039	Application Data
11	7.897162	64:ff9b::34e0:6ca9	2409:408d:298:8f3b::	TCP	74	443 → 57524 [ACK] Seq=1 A
14	29.081448	2409:408d:298:8f3b::	2603:1046:700:48::12	TCP	75	57557 → 443 [ACK] Seq=1 A
15	29.129032	2603:1046:700:48::12	2409:408d:298:8f3b::	TCP	86	443 → 57557 [ACK] Seq=1 A
16	55.105365	104.211.8.250	192.168.43.197	TLSv1.2	85	Encrypted Alert
17	55.105365	104.211.8.250	192.168.43.197	TCP	54	443 → 57634 [FIN, ACK] Seq=
18	55.106093	192.168.43.197	104.211.8.250	TCP	54	57634 → 443 [ACK] Seq=1 A
19	55.107726	192.168.43.197	104.211.8.250	TLSv1.2	85	Encrypted Alert
20	55.108355	192.168.43.197	104.211.8.250	TCP	54	57634 → 443 [FIN, ACK] Seq=
21	55.413057	104.211.8.250	192.168.43.197	TCP	54	443 → 57634 [RST] Seq=33
22	55.413057	104.211.8.250	192.168.43.197	TCP	54	443 → 57634 [RST] Seq=33

Frame 5: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface \Device\NPF\_{75504310-...}

Ethernet II, Src: Intel\_a2:c5:38 (dc:45:46:a2:c5:38), Dst: 26:9a:a8:83:e1:13 (26:9a:a8:83:e1:13)

Internet Protocol Version 6, Src: 2409:408d:298:8f3b:dc1a:330d:3af9:135b, Dst: 2603:1040:a06:6::2

0110 .... = Version: 6

.... 0000 0000 .... = Traffic Class: 0x00 (DSCP: CS0, ECN: Not-ECT)

.... 0000 0011 1000 0101 1101 = Flow Label: 0x0385d

Payload Length: 20

Next Header: TCP (6)

Hop Limit: 65

Source Address: 2409:408d:298:8f3b:dc1a:330d:3af9:135b

Destination Address: 2603:1040:a06:6::2

[Stream index: 0]

Transmission Control Protocol, Src Port: 49450, Dst Port: 443, Seq: 102, Ack: 172, Len: 0

Wireshark - Packet 5 - Wi-Fi

Frame 5: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface \Device\NPF\_{75504310-...}

Ethernet II, Src: Intel\_a2:c5:38 (dc:45:46:a2:c5:38), Dst: 26:9a:a8:83:e1:13 (26:9a:a8:83:e1:13)

Internet Protocol Version 6, Src: 2409:408d:298:8f3b:dc1a:330d:3af9:135b, Dst: 2603:1040:a06:6::2

0110 .... = Version: 6

.... 0000 0000 .... = Traffic Class: 0x00 (DSCP: CS0, ECN: Not-ECT)

.... 0000 0011 1000 0101 1101 = Flow Label: 0x0385d

Payload Length: 20

Next Header: TCP (6)

Hop Limit: 65

Source Address: 2409:408d:298:8f3b:dc1a:330d:3af9:135b

Destination Address: 2603:1040:a06:6::2

[Stream index: 0]

Transmission Control Protocol, Src Port: 49450, Dst Port: 443, Seq: 102, Ack: 172, Len: 0

Show packet bytes Layout: Vertical (Stacked)

Close Help

Transmission Control Protocol: Protocol

Packets: 336 · Displayed: 240 (71.4%) · Dropped: 0 (0.0%) Profile: Default

95°F Partly sunny

Search

1:55 PM 4/4/2025

Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

arp

No.	Time	Source	Destination	Protocol	Length	Info
28	71.988060	192.168.43.197	192.168.43.1	DNS	89	Standard query 0x9925 A connectivitycheck.gstatic.com
29	71.991055	192.168.43.197	192.168.43.1	DNS	89	Standard query 0x7e4a AAAA connectivitycheck.gstatic.com
30	72.037919	192.168.43.1	192.168.43.197	DNS	105	Standard query response 0x9925 A connectivitycheck.gstatic.com
31	72.045168	192.168.43.1	192.168.43.197	DNS	117	Standard query response 0x7e4a AAAA connectivitycheck.gstatic.com
38	72.133908	192.168.43.197	192.168.43.1	DNS	76	Standard query 0xa2d9 A www.google.com
39	72.135746	192.168.43.197	192.168.43.1	DNS	76	Standard query 0x2cef AAAA www.google.com
41	72.176890	192.168.43.1	192.168.43.197	DNS	166	Standard query response 0xa2d9 A www.google.com
42	72.185685	192.168.43.1	192.168.43.197	DNS	178	Standard query response 0x2cef AAAA www.google.com
76	72.654476	192.168.43.197	192.168.43.1	DNS	79	Standard query 0xb76 A connectivitycheck.gstatic.com
77	72.655705	192.168.43.197	192.168.43.1	DNS	79	Standard query 0x64f2 AAAA connectivitycheck.gstatic.com
79	72.696281	192.168.43.1	192.168.43.197	DNS	119	Standard query response 0xb76 A connectivitycheck.gstatic.com
80	72.704993	192.168.43.1	192.168.43.197	DNS	131	Standard query response 0x64f2 AAAA connectivitycheck.gstatic.com
125	73.393624	192.168.43.197	192.168.43.1	DNS	73	Standard query 0x53b4 A us-central1-aiplatform.googleapis.com
126	73.395314	192.168.43.197	192.168.43.1	DNS	73	Standard query 0x4cc0 AAAA us-central1-aiplatform.googleapis.com
128	73.440456	192.168.43.1	192.168.43.197	DNS	165	Standard query response 0x53b4 A us-central1-aiplatform.googleapis.com
129	73.450899	192.168.43.1	192.168.43.197	DNS	205	Standard query response 0x4cc0 AAAA us-central1-aiplatform.googleapis.com
174	74.044829	192.168.43.197	192.168.43.1	DNS	76	Standard query 0xb32e A www.gstatic.com
177	74.095048	192.168.43.1	192.168.43.197	DNS	121	Standard query response 0xb32e A www.gstatic.com
178	74.107068	192.168.43.197	192.168.43.1	DNS	78	Standard query 0xf39c A connectivitycheck.gstatic.com
179	74.107769	192.168.43.197	192.168.43.1	DNS	78	Standard query 0x106a AAAA connectivitycheck.gstatic.com

Frame 29: 89 bytes on wire (712 bits), 89 bytes captured (712 bits) on interface \Device\NPF\_{75504310-...}

Ethernet II, Src: Intel\_a2:c5:38 (dc:45:46:a2:c5:38), Dst: 26:9a:a8:83:e1:13 (26:9a:a8:83:e1:13)

Internet Protocol Version 4, Src: 192.168.43.197, Dst: 192.168.43.1

User Datagram Protocol, Src Port: 51485, Dst Port: 53

Domain Name System (query)

Wireshark - Packet 29 - Wi-Fi

Frame 29: 89 bytes on wire (712 bits), 89 bytes captured (712 bits) on interface \Device\NPF\_{75504310-...}

Ethernet II, Src: Intel\_a2:c5:38 (dc:45:46:a2:c5:38), Dst: 26:9a:a8:83:e1:13 (26:9a:a8:83:e1:13)

Internet Protocol Version 4, Src: 192.168.43.197, Dst: 192.168.43.1

0100 .... = Version: 4

.... 0101 = Header Length: 20 bytes (5)

Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)

Total length: 75

Identification: 0x0012 (18)

0000 .... = Flags: 0x0

...0 0000 0000 0000 = Fragment Offset: 0

Time to Live: 128

0000 26 9a a8 83 e1 13 dc 45 46 a2 c5 38 08 00 00 00 &.....E F 8 E

0010 00 0b 00 12 00 00 00 11 00 00 c0 a8 2b c5 c0 a8 K.....+...

0020 2b 01 c9 1d 00 35 00 37 d8 5f 7e 4a 01 00 00 01 +....5 7 ...

0030 00 00 00 00 00 00 11 63 6f 6e 6e 65 63 74 69 75 .....c onnectiv

0040 69 74 79 63 68 65 63 6b 07 67 73 74 61 74 69 63 itycheck \_gstatic

0050 03 63 6f 6d 00 00 1c 00 01 .....om....

No.: 29 - Time: 71.991055 - Source: 192.168.43.197 - Destination: 1..89 - Info: Standard query 0x7e4a AAAA connectivitycheck.gstatic.com

☒ Show packet bytes Layout: Vertical (Stacked)

Close Help

Address Resolution Protocol: Protocol

Packets: 336 - Displayed: 49 (14.6%) - Dropped: 0 (0.0%) Profile: Default

95°F Partly sunny

Search

1:59 PM 4/4/2025



Wireshark interface showing a packet capture on the 'Wi-Fi' interface. The main packet list displays various protocols including ICMPv6, TLSv1.2, and TCP. A detailed view of a selected packet (Frame 7) is shown, highlighting the Ethernet II, Internet Protocol Version 6, and Transport Layer Security (TLS) layers. The packet details pane shows the source and destination addresses, sequence numbers, and the reassembled TCP segments. The packet bytes pane displays the raw hex and ASCII data.

Wireshark - Packet 7 - Wi-Fi

Frame 7: 1039 bytes on wire (8312 bits), 1039 bytes captured (8312 bits) on interface \\Device\\NPF\_{755...}

Ethernet II, Src: Intel\_a2:c5:38 (dc:45:46:a2:c5:38), Dst: 26:9a:a8:83:e1:13 (26:9a:a8:83:e1:13)

Internet Protocol Version 6, Src: 2409:408d:298:8f3b:dc1a:330d:3af9:135b, Dst: 64:ff9b::34e0:6ca9

2 Reassembled TCP Segments (2335 bytes): #4(1370), #7(965)]

Transport Layer Security

Frame (1039 bytes) Reassembled TCP (2335 bytes)

Bytes 22-37: Source Address (IPv6)

Show packet bytes Layout: Vertical (Stacked)

Close Help

Frame (1039 bytes) Reassembled TCP (2335 bytes)

Packets: 90 - Dropped: 0 (0.0%) Profile: Default

95°F Partly sunny 2:04 PM 4/4/2025

Logical

[Root]

New Cluster

Move Object

Set Tiled Background

Viewport

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type	Info
	0.000	--	PC6	ICMP	

Reset Simulation

☒ Constant Delay

Captured to: 0.000 s

Play Controls

Back

Auto Capture / Play

Capture / Forward

Event List Filters - Visible Events

ARP, ICMP

Edit Filters

Show All

Time: 46:46:32.562

Power Cycle Devices

PLAY CONTROLS:

Back

Auto Capture / Play

Capture / Forward

Event List

Simulation

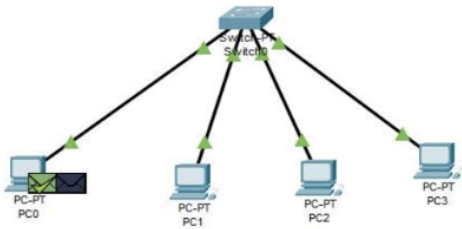
Connections

Scenario 0

New

Delete

Fire	Last Status	Source	Destination	Type	Color	Time
	In Progress	PC6	PC3	ICMP		0.00



Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	0.000	--	PC0	ARP
	0.001	PC0	Switch0	ARP
	0.002	Switch0	PC1	ARP
	0.002	Switch0	PC2	ARP
	0.002	Switch0	PC3	ARP
	0.003	PC3	Switch0	ARP
	0.004	Switch0	PC0	ARP
	0.004	--	PC0	ICMP

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, PPPoE, PTP, RADIUS, REP, RFPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Logical
Physical
x: 1626, y: 656

Root
04:53:30

```

graph LR
    PC0[PC-PT PC0] --- Hub0[Hub-PT Hub0]
    PC1[PC-PT PC1] --- Hub0
    Hub0 --- Hub1[Hub-PT Hub1]
    PC2[PC-PT PC2] --- Hub1
    PC3[PC-PT PC3] --- Hub1
    Hub1 --- Hub2[Hub-PT Hub2]
    PC4[PC-PT PC4] --- Hub2
    PC5[PC-PT PC5] --- Hub2
  
```

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.004	PC3
	0.005	Hub1
	0.005	Hub1
	0.005	Hub1
	0.006	Hub0
	0.006	Hub0
	0.006	Hub2
	0.006	Hub2

Reset Simulation
Constant Delay
Capturing...

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, PPPoE, PTP, RADIUS, REP, RFP, RFPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters
Show All/None

Event List
Realtime
Simulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC3	ICMP		0.000	N	0	(edit)	(delete)

Time: 00:09:16.198
PLAY CONTROLS:

Scenario 0

Logical
Physical
x 1400, y 370

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.001	PC1
	0.003	Switch0
	0.005	Switch2
	0.007	Switch3
	0.008	PC3
	0.010	Switch3
	0.012	Switch2
	0.014	Switch0

Reset Simulation
☐ Constant Delay
Captured to: 0.014 s

Play Controls

<
|
>

Event List Filters - Visible Events  
ACL Filter, ARP, BGP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DNS, DTP, EAP-OL, 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, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters
Show AllNone

Time: 00:11:34.057
PLAY CONTROLS
<
|
>

Scenario 0

Now
Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC1	PC3	ICMP		0.000	N	0	(edit)	(delete)



LogicalPhysical+ 1327, y: 423

[Root]

62.62.30

```
graph TD; Hub0[Hub0] --- PC0[PC-PT PC0]; Hub0 --- PC1[PC-PT PC1]; Hub0 --- PC2[PC-PT PC2]; Hub0 --- PC3[PC-PT PC3];
```

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type
	0.001	PC0	Hub0	ICMP
	0.002	Hub0	PC1	ICMP
	0.002	Hub0	PC2	ICMP
	0.002	Hub0	PC3	ICMP
	0.003	PC3	Hub0	ICMP
	0.004	Hub0	PC0	ICMP
	0.004	Hub0	PC1	ICMP
	0.004	Hub0	PC2	ICMP

Reset Simulation☒ Constant DelayCaptured 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, RAGP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RFP, RFPng, RTSP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit FiltersShow All/None

Event ListRealtimeSimulation

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	E
	Successful	PC0	PC3	ICMP		0.000	N	0	

LogicalPhysicalx: 1368, y: 360

Root04:03:00

PC-PT  
PC0

Switch-PT  
Switch0

Switch-PT  
Switch1

Switch-PT  
Switch2

Switch-PT  
Switch3

PC-PT  
PC1

PC-PT  
PC2

PC-PT  
PC3

Simulation Panel

Event List

Vis.	Time(sec)	Last Device
	0.001	PC0
	0.002	Switch0
	0.003	Switch2
	0.004	Switch3
	0.005	PC3
	0.006	Switch3
	0.007	Switch2
	0.008	Switch0

Reset SimulationConstant DelayCaptured to: 0.008 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, PPPoE, PTP, RADIUS, REP, RIP, RIPng, RTP, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

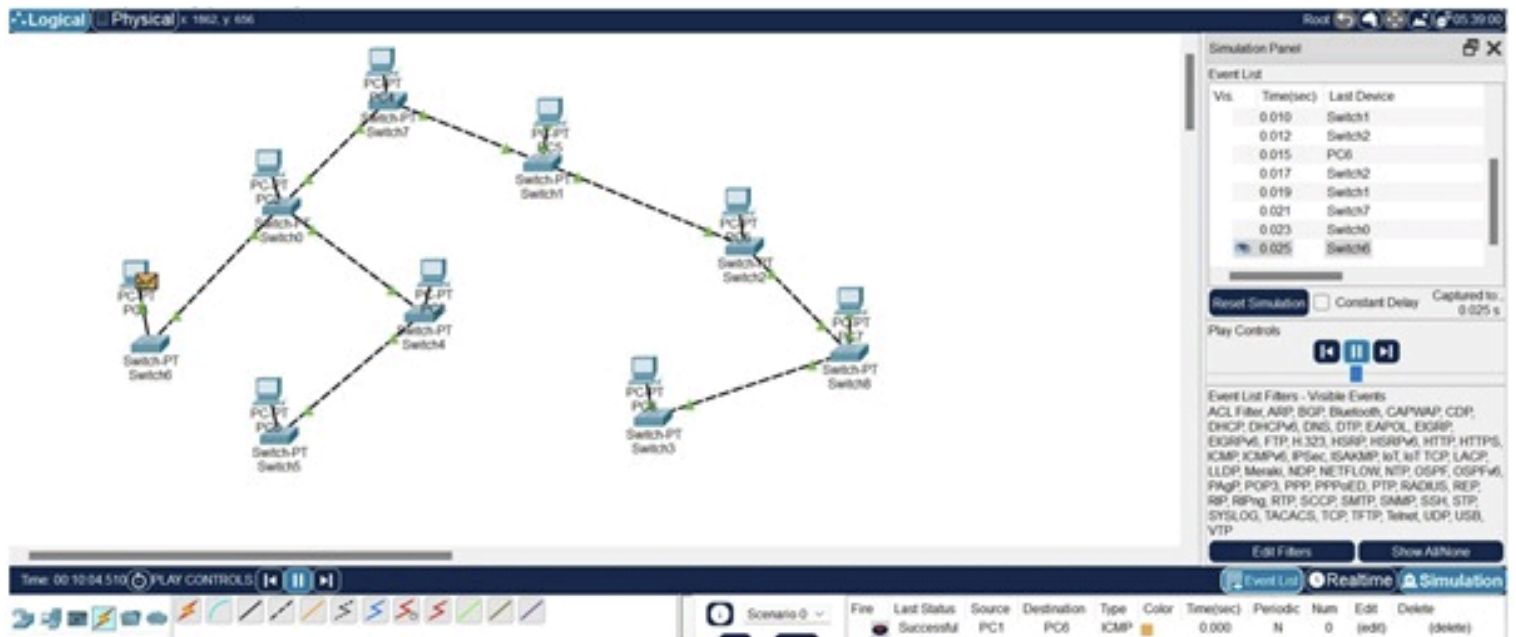
Edit FiltersShow All/None

Time: 00:05:12.075PLAY CONTROLS

Scenario 0NewDeleteToggle PDU List Window

FireLast StatusSourceDestinationTypeColorTime(sec)PeriodicNumEditDelete

SuccessfulPC0PC3ICMP0.000N0(edit)(delete)



Logical

Physical

v 3.0 v 3.0

Root

90.47.0

2960-24TT Switch

1921 Router

Simulation Panel

Event List

Via	Time(sec)	Last Device	All Device	Type
	1.969	—	Switch0	STP
	1.970	Switch0	Switch1	STP
	1.970	Switch0	Router1	STP
	2.609	—	Switch0	DTP
	2.610	Switch0	Router1	DTP
	2.610	—	Switch1	CDP
	2.611	Switch1	Switch0	CDP
	2.611	—	Switch0	DTP

Reset Simulation
☒ Constant Delay
Captured to: 2.613 s

Play Controls

⏮

⏪

⏩

⏭

Event List Filters - Visible Events

ACL Filter, ARP, Bluetooth, CAPWAP, CDP, DHCP, DHCPv6, DTP, EAPOL, EIGRPv6, FTR, H.323, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPSec, ISAKMP, IoT, IoT TCP, LACP, LLDP, NDP, NETFLOW, NTP, OSPFv6, RARP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RIPv2, RIPv3, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDP, USB, VTP

Edit Filters
Show AllNone

Time: 00:01:00.507

PLAY CONTROLS

⏮

⏪

⏩

⏭

Event List

Realtime

Simulation

4311

4321

4341

4361

4381

4401

4421

4441

4461

4481

4501

4521

4541

4561

4581

4601

4621

4641

4661

4681

4701

4721

4741

4761

4781

4801

4821

4841

4861

4881

4901

4921

4941

4961

4981

5001

5021

5041

5061

5081

5101

5121

5141

5161

5181

5201

5221

5241

5261

5281

5301

5321

5341

5361

5381

5401

5421

5441

5461

5481

5501

5521

5541

5561

5581

5601

5621

5641

5661

5681

5701

5721

5741

5761

5781

5801

5821

5841

5861

5881

5901

5921

5941

5961

5981

6001

6021

6041

6061

6081

6101

6121

6141

6161

6181

6201

6221

6241

6261

6281

6301

6321

6341

6361

6381

6401

6421

6441

6461

6481

6501

6521

6541

6561

6581

6601

6621

6641

6661

6681

6701

6721

6741

6761

6781

6801

6821

6841

6861

6881

6901

6921

6941

6961

6981

7001

7021

7041

7061

7081

7101

7121

7141

7161

7181

7201

7221

7241

7261

7281

7301

7321

7341

7361

7381

7401

7421

7441

7461

7481

7501

7521

7541

7561

7581

7601

7621

7641

7661

7681

7701

7721

7741

7761

7781

7801

7821

7841

7861

7881

7901

7921

7941

7961

7981

8001

8021

8041

8061

8081

8101

8121

8141

8161

8181

8201

8221

8241

8261

8281

8301

8321

8341

8361

8381

8401

8421

8441

8461

8481

8501

8521

8541

8561

8581

8601

8621

8641

8661

8681

8701

8721

8741

8761

8781

8801

8821

8841

8861

8881

8901

8921

8941

8961

8981

9001

9021

9041

9061

9081

9101

9121

9141

9161

9181

9201

9221

9241

9261

9281

9301

9321

9341

9361

9381

9401

9421

9441

9461

9481

9501

9521

9541

9561

9581

9601

9621

9641

9661

9681

9701

9721

9741

9761

9781

9801

9821

9841

9861

9881

9901

9921

9941

9961

9981

10001

10021

10041

10061

10081

10101

10121

10141

10161

10181

10201

10221

10241

10261

10281

10301

10321

10341

10361

10381

10401

10421

10441

10461

10481

10501

10521

10541

10561

10581

10601

10621

10641

10661

10681

10701

10721

10741

10761

10781

10801

10821

10841

10861

10881

10901

10921

10941

10961

10981

11001

11021

11041

11061

11081

11101

11121

11141

11161

11181

11201

11221

11241

11261

11281

11301

11321

11341

11361

11381

11401

11421

11441

11461

11481

11501

11521

11541

11561

11581

11601

11621

11641

11661

11681

11701

11721

11741

11761

11781

11801

11821

11841

11861

11881

11901

11921

11941

11961

11981

12001

12021

12041

12061

12081

12101

12121

12141

12161

12181

12201

12221

12241

12261

12281

12301

12321

12341

12361

12381

12401

12421

12441

12461

12481

12501

12521

12541

12561

12581

12601

12621

12641

12661

12681

12701

12721

12741

12761

12781

12801

12821

12841

12861

12881

12901

12921

12941

12961

12981

13001

13021

13041

13061

13081

13101

13121

13141

13161

13181

13201

13221

13241

13261

13281

13301

13321

13341

13361

13381

13401

13421

13441

13461

13481

13501

13521

13541

13561

13581

13601

13621

13641

13661

13681

13701

13721

13741

13761

13781

13801

13821

13841

13861

13881

13901

13921

13941

13961

13981

14001

14021

14041

14061

14081

14101

14121

14141

14161

14181

14201

14221

14241

14261

14281

14301

14321

14341

14361

14381

14401

14421

14441

14461

14481

14501

14521

14541

14561

14581

14601

14621

14641

14661

14681

14701

14721

14741

14761

14781

14801

14821

14841

14861

14881

14901

14921

14941

14961

14981

15001

15021

15041

15061

15081

15101

15121

15141

15161

15181

15201

15221

15241

15261

15281

15301

15321

15341

15361

15381

15401

15421

15441

15461

15481

15501

15521

15541

15561

15581

15601

15621

15641

15661

15681

15701

15721

15741

15761

15781

15801

15821

15841

15861

15881

15901

15921

15941

15961

15981

16001

16021

16041

16061

16081

16101

16121

16141

16161

16181

16201

16221

16241

16261

16281

16301

16321

16341

16361

16381

16401

16421

16441

16461

16481

16501

16521

16541

16561

16581

16601

16621

16641

16661

16681

16701

16721

16741

16761

16781

16801

16821

16841

16861

16881

16901

16921

16941

16961

16981

17001

17021

17041

17061

17081

17101

17121

17141

17161

17181

17201

17221

17241

17261

17281

17301

17321

17341

17361

17381

17401

17421

17441

17461

17481

17501

17521

17541

17561

17581

17601

17621

17641

17661

17681

17701

17721

17741

17761

17781

17801

17821

17841

17861

17881

17901

17921

17941

17961

17981

18001

18021

18041

18061

18081

18101

18121

18141

18161

18181

18201

18221

18241

18261

18281

18301

18321

18341

18361

18381

18401

18421

18441

18461

18481

18501

18521

18541

18561

18581

18601

18621

18641

18661

18681

18701

18721

18741

18761

18781

18801

18821

18841

18861

18881

18901

18921

18941

18961

18981

19001

19021

19041

19061

19081

19101

19121

19141

19161

19181

19201

19221

19241

19261

19281

19301

19321

19341

19361

19381

19401

19421

19441

19461

19481

19501

19521

19541

19561

19581

19601

19621

19641

19661

19681

19701

19721

19741

19761

19781

19801

19821

19841

19861

19881

19901

19921

19941

19961

19981

20001

20021

20041

20061

20081

20101

20121

20141

20161

20181

20201

20221

20241

20261

20281

20301

20321

20341

20361

20381

20401

20421

20441

20461

20481

20501

20521

20541

20561

20581

20601

20621

20641

20661

20681

20701

20721

20741

20761

20781

20801

20821

20841

20861

20881

20901

20921

20941

20961

20981

21001

21021

21041

21061

21081

21101

21121

21141

21161

21181

21201

21221

21241

21261

21281

21301

21321

21341

21361

21381

21401

21421

21441

21461

21481

21501

21521

21541

21561

21581

21601

21621

21641

21661

21681

21701

21721

21741

21761

21781

21801

21821

21841

21861

21881

21901

21921

21941

21961

21981

22001

22021

22041

22061

22081

22101

22121

22141

22161

22181

22201

22221

22241

22261

22281

22301

22321

22341

22361

22381

22401

22421

22441

22461

22481

22501

22521

22541

22561

22581

22601

22621

22641

22661

22681

22701

22721

22741

22761

22781

22801

22821

22841

22861

22881

22901

22921

22941

22961

22981

23001

23021

23041

23061

23081

23101

23121

23141

23161

23181

23201

23221

23241

23261

23281

23301

23321

23341

23361

23381

23401

23421

23441

23461

23481

23501

23521

23541

23561

23581

23601

23621

23641

23661

23681

23701

23721

23741

23761

23781

23801

23821

23841

23861

23881

23901

23921

23941

23961

23981

24001

24021

24041

24061

24081

24101

24121

24141

24161

24181

24201

24221

24241

24261

24281

24301

24321

24341

24361

24381

24401

24421

24441

24461

24481

24501

24521

24541

24561

24581

24601

24621

24641

24661

24681

24701

24721

24741

24761

24781

24801

24821

24841

24861

24881

24901

24921

24941

24961

24981

25001

25021

25041

25061

25081

25101

25121

25141

25161

25181

25201

25221

25241

25261

25281

25301

25321

25341

25361

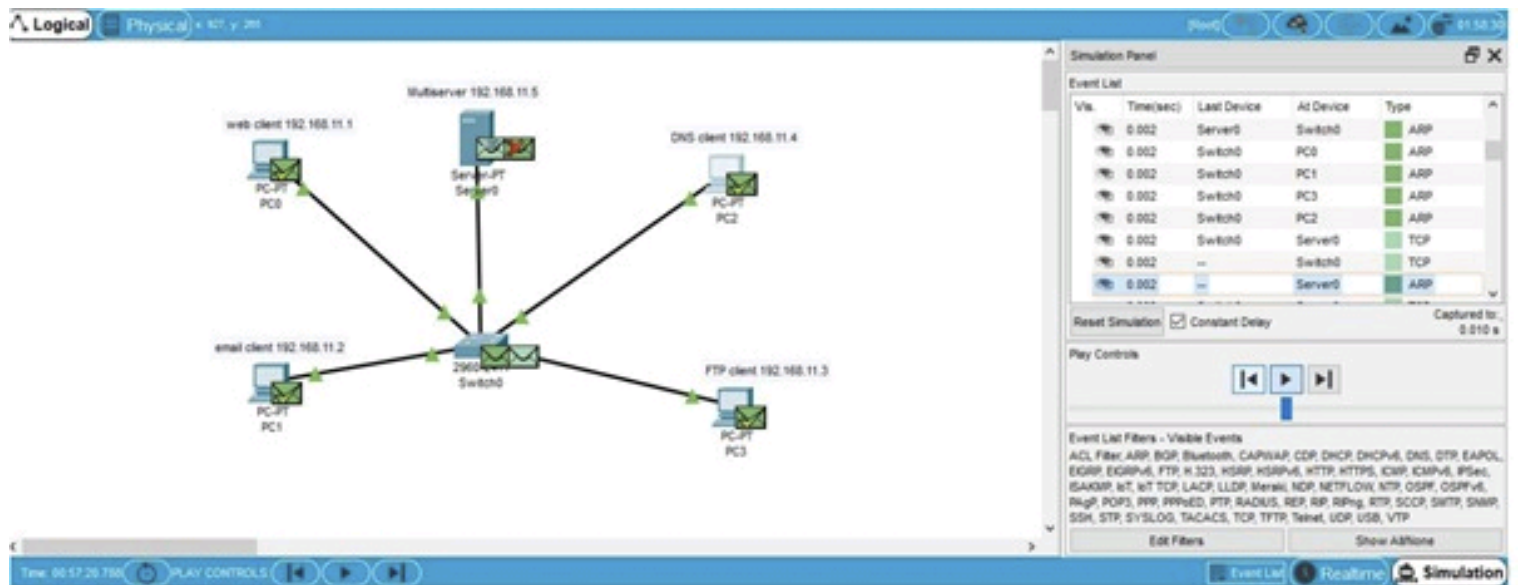
25381

25401

25421

25441

2





Logical Physical x 800 y 100

network address 192.168.10.0 /25

subnetting c class address

2011 Router0

Switch0

Switch1

PC0

PC1

PC2

PC3

PC4

PC5

Simulation Panel

Event List

Time(sec)	Last Device	Ad Device	Type
0.001	PC0	Switch0	ICMP
0.002	Switch0	Router0	ICMP
0.003	Router0	Switch1	ICMP
0.004	Switch1	PC5	ICMP
0.005	PC5	Switch1	ICMP
0.006	Switch1	Router0	ICMP
0.007	Router0	Switch0	ICMP
0.008	Switch0	PC0	ICMP

Reset Simulation ☒ Constant Delay Captured to: 0.008 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, iST, iST TCP, LACP, LLDP, Meraki, NTP, NETFLOW, NTP, OSPF, OSPFv6, RDP, POP3, PPP, PPPoE, PTP, RADIUS, REP, RFP, RFPv6, RTR, SCCP, SMTP, SNMP, SSH, STP, SYSLOG, TACACS, TCP, TFTP, Telnet, UDR, USB, VTP

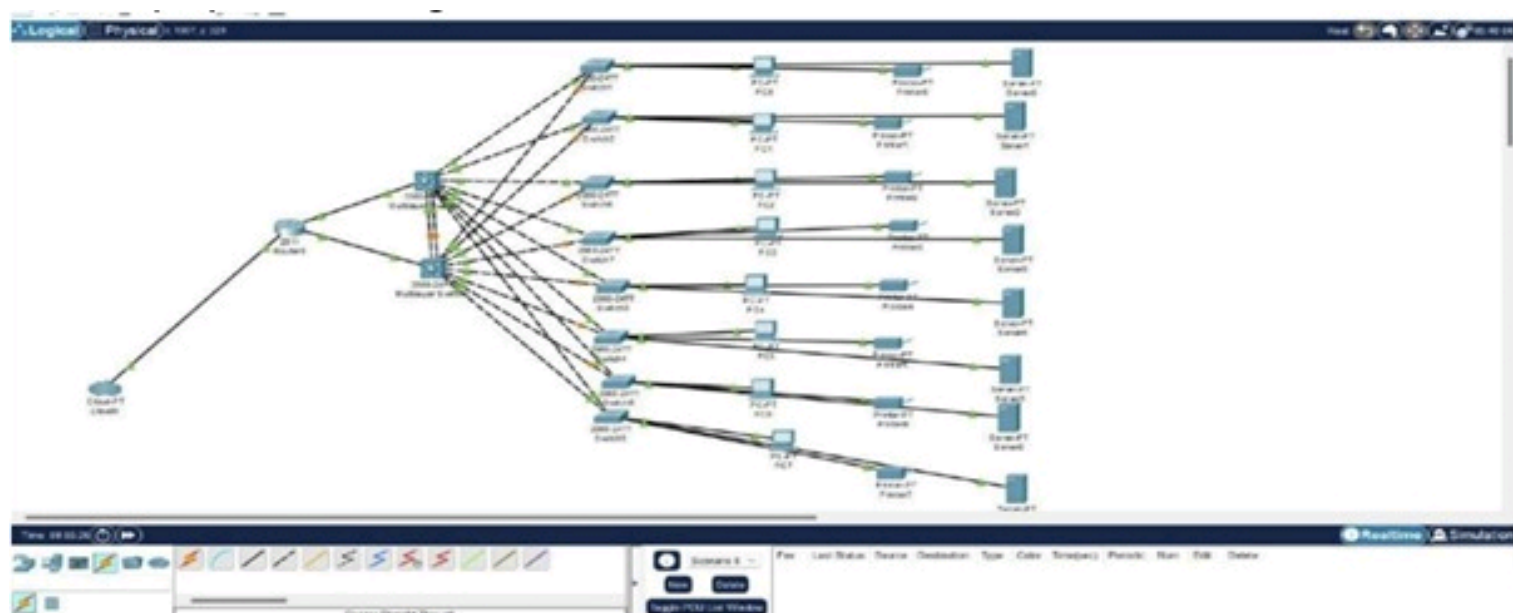
Edit Filters Show AllNone

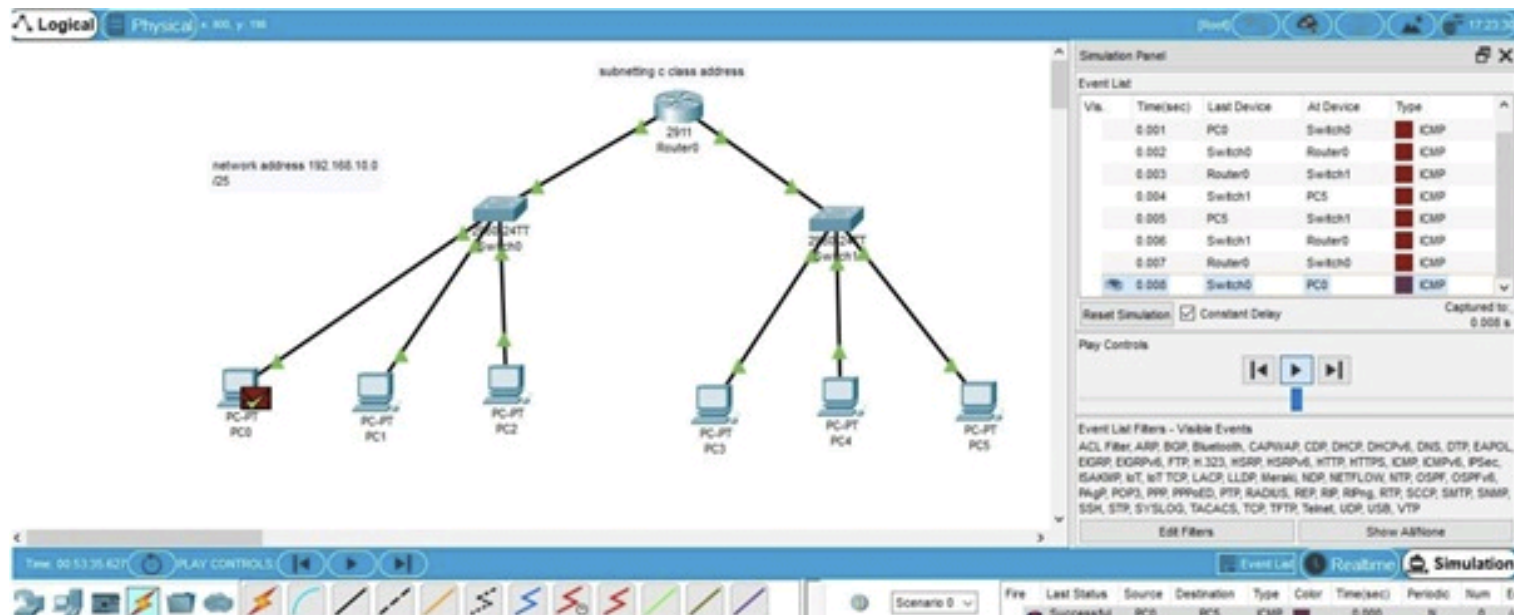
Time: 00:53:35.627 PLAY CONTROLS

Scenario 0

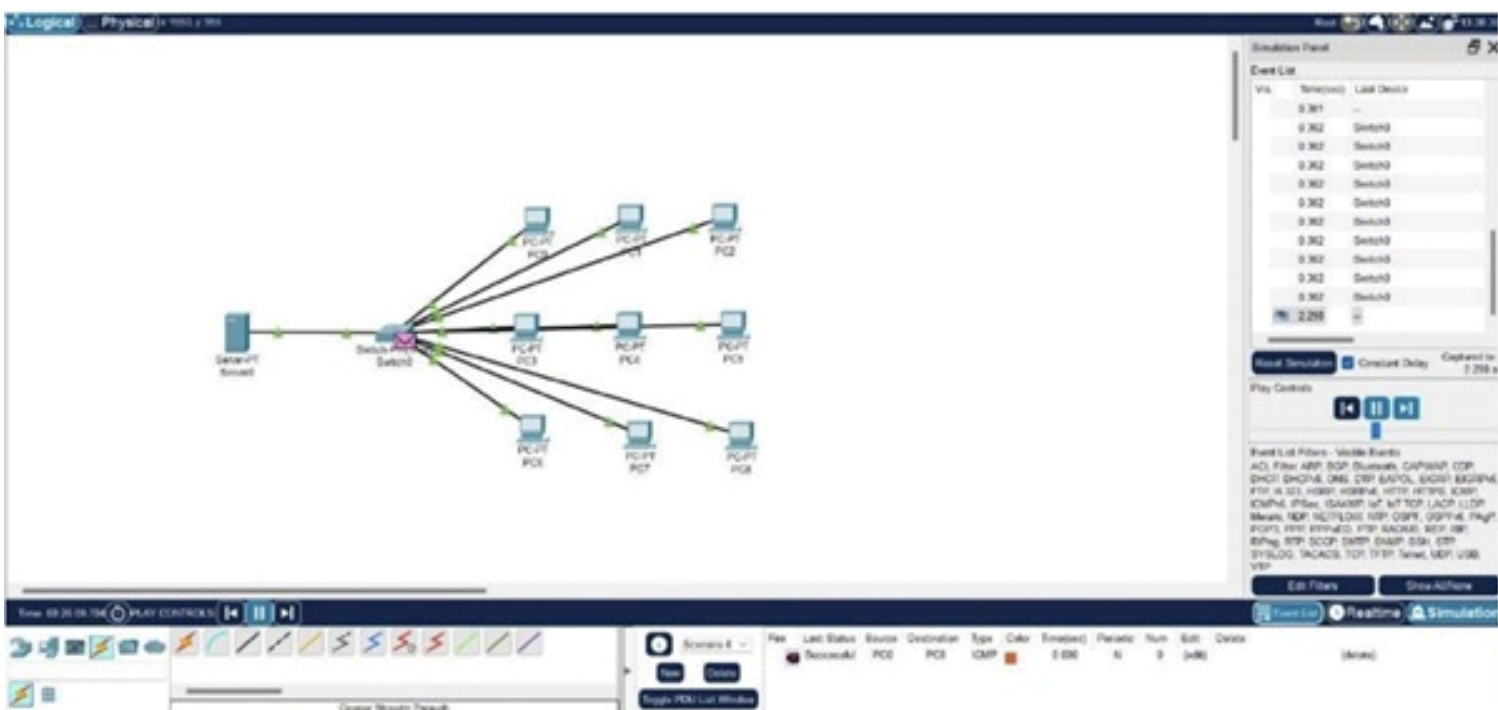
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Ex

Successful PC0 PC5 ICMP 0.008 N 0 0











Logical Physical x 100% y 200

IoT Monitor

IoT Server - Devices Home | Conditions | Editor | Log Out

ceiling fan (PTT08103789-) Ceiling Fan

Status Off Low High

window (PTT08104LD8-) Window

On

Time: 08:21:00

Scenario 0

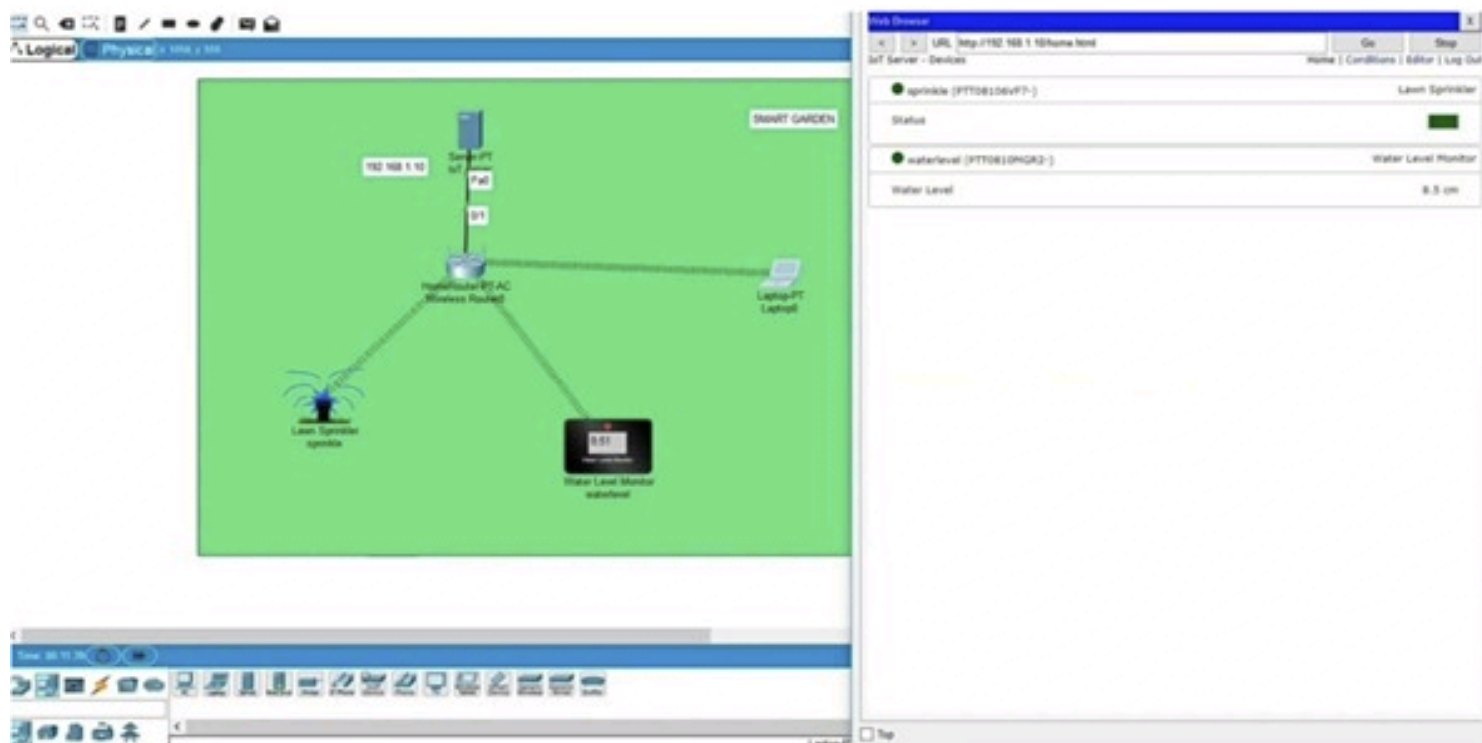
New Delete

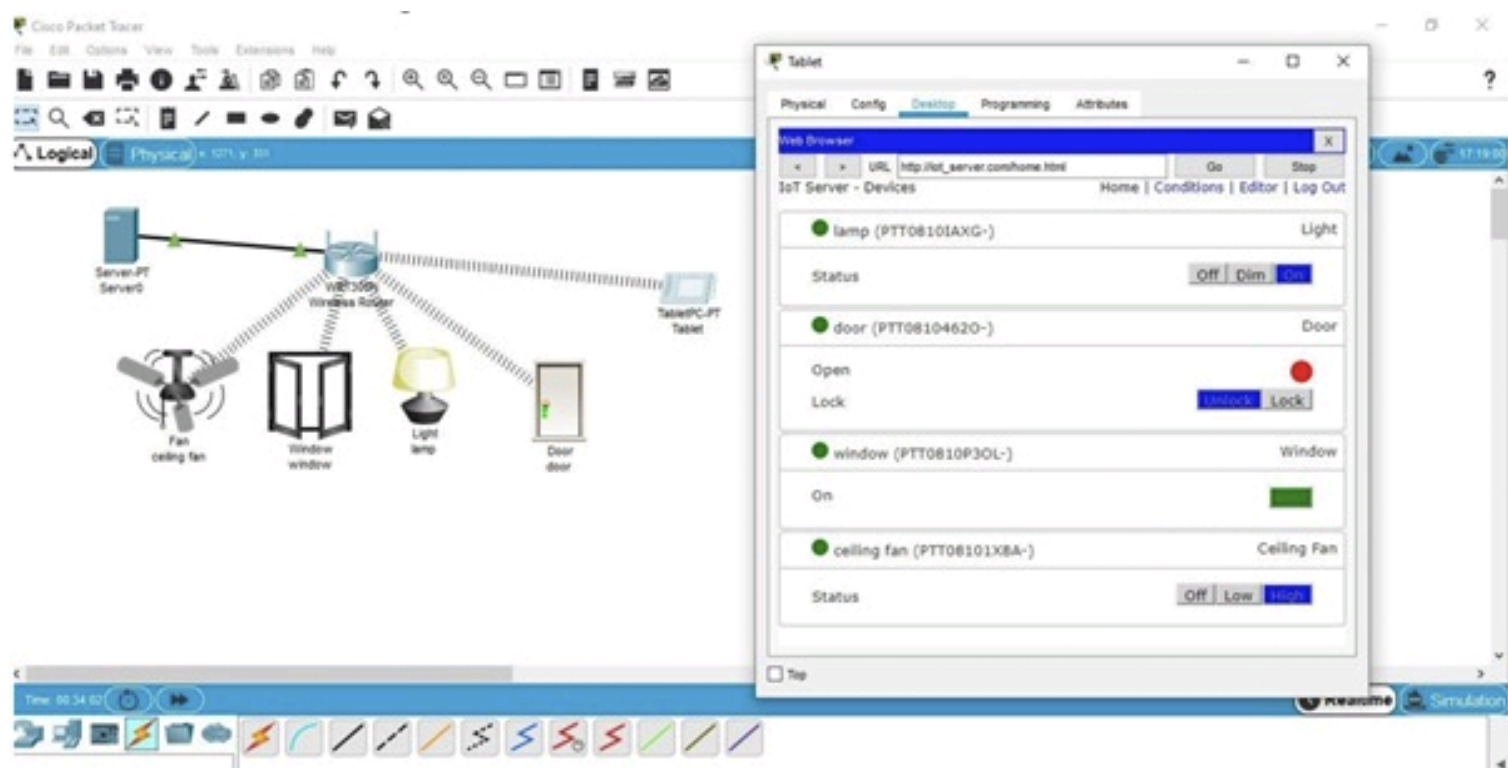
Toggle PDU LMI Window

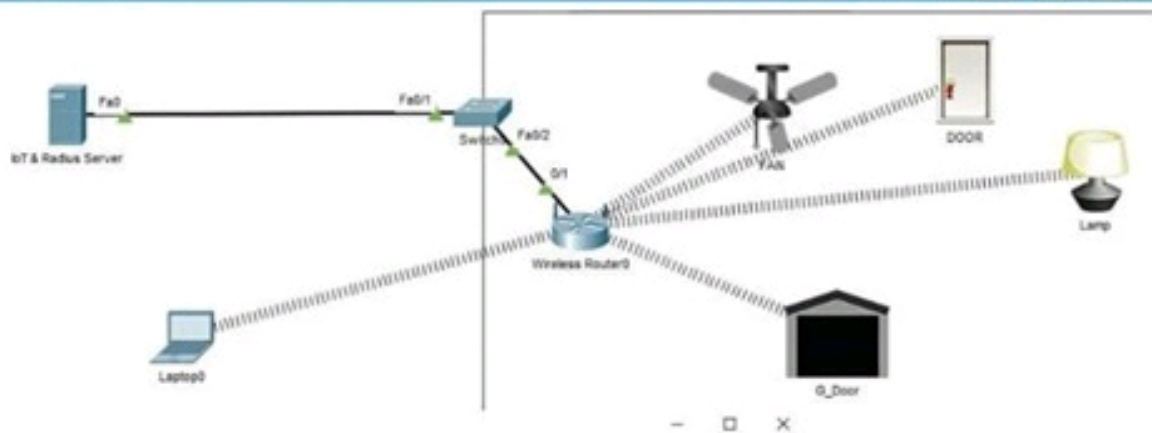
SMARTPHONE\_PT

Realtime Simulation

Fire Last Status Source Destination Type Color Time(sec) Periodic Num







Laptop0

Physical Config Desktop Programming Attributes

URL: <http://192.168.0.10/home.html> Go Stop

IoT Server - Devices Home | Conditions | Editor | Log Out ~

- FAN (PTT0810QLKB-) Ceiling Fan

Status On Low High

Time: 00:50



Realtime

Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp

No.	Time	Source	Destination	Protocol	Length	Info
138	26.218260	34.208.110.97	192.168.1.52	TLSv1.2	370	Application Data
139	26.218260	34.208.110.97	192.168.1.52	TLSv1.2	92	Application Data
140	26.218368	192.168.1.52	34.208.110.97	TCP	54	62986 → 443 [ACK] Seq=419 Ack=801 Win=508 Len=0
141	26.220395	192.168.1.52	34.208.110.97	TLSv1.2	96	Application Data
150	26.575741	192.168.1.52	34.208.110.97	TCP	96	[TCP Retransmission] 62986 → 443 [PSH, ACK] Seq=419

< >

> Frame 3: 55 bytes on wire (440 bits), 55 bytes captured (440 bits) on interface \Device\NPF\_{BEDE0CDF-D84F-4436-818D-5D1E780DBFF5}

> Ethernet II, Src: IntelCor\_ea:4a:5c (34:f3:9a:ea:4a:5c), Dst: TaicangT\_2b:71:e0 (24:0b:88:2b:71:e0)

> Internet Protocol Version 4, Src: 192.168.1.52, Dst: 185.184.8.90

> Transmission Control Protocol, Src Port: 51636, Dst Port: 443, Seq: 1, Ack: 1, Len: 1

< >

0000	00100100	00001011	10001000	00101011	01110001	11100000	00110100	11110011	\$..+q.4.
0008	10011010	11101010	01001010	01011100	00001000	00000000	01000101	00000000	--J\..E.
0010	00000000	00101001	10111100	00100100	01000000	00000000	10000000	00000110	-)\$.@--
0018	10111010	10111011	11000000	10101000	00000001	00110100	10111001	10111000	--...4..
0020	00001000	01011010	11001001	10110100	00000001	10111011	01100010	10000011	-Z...b.
0028	01011000	11010111	01111000	01011101	11011100	00010010	01010000	00010000	X.x]..P.
0030	00000001	11111101	01001110	10101101	00000000	00000000	00000000	00000000	--N..