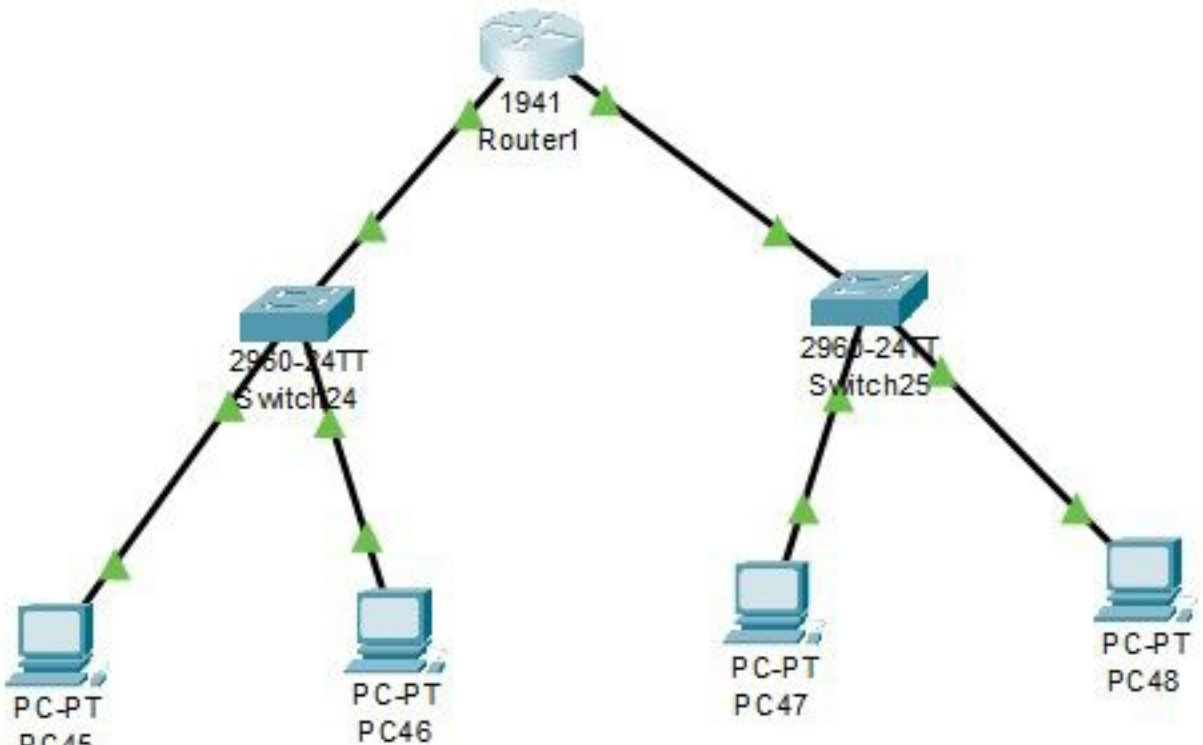
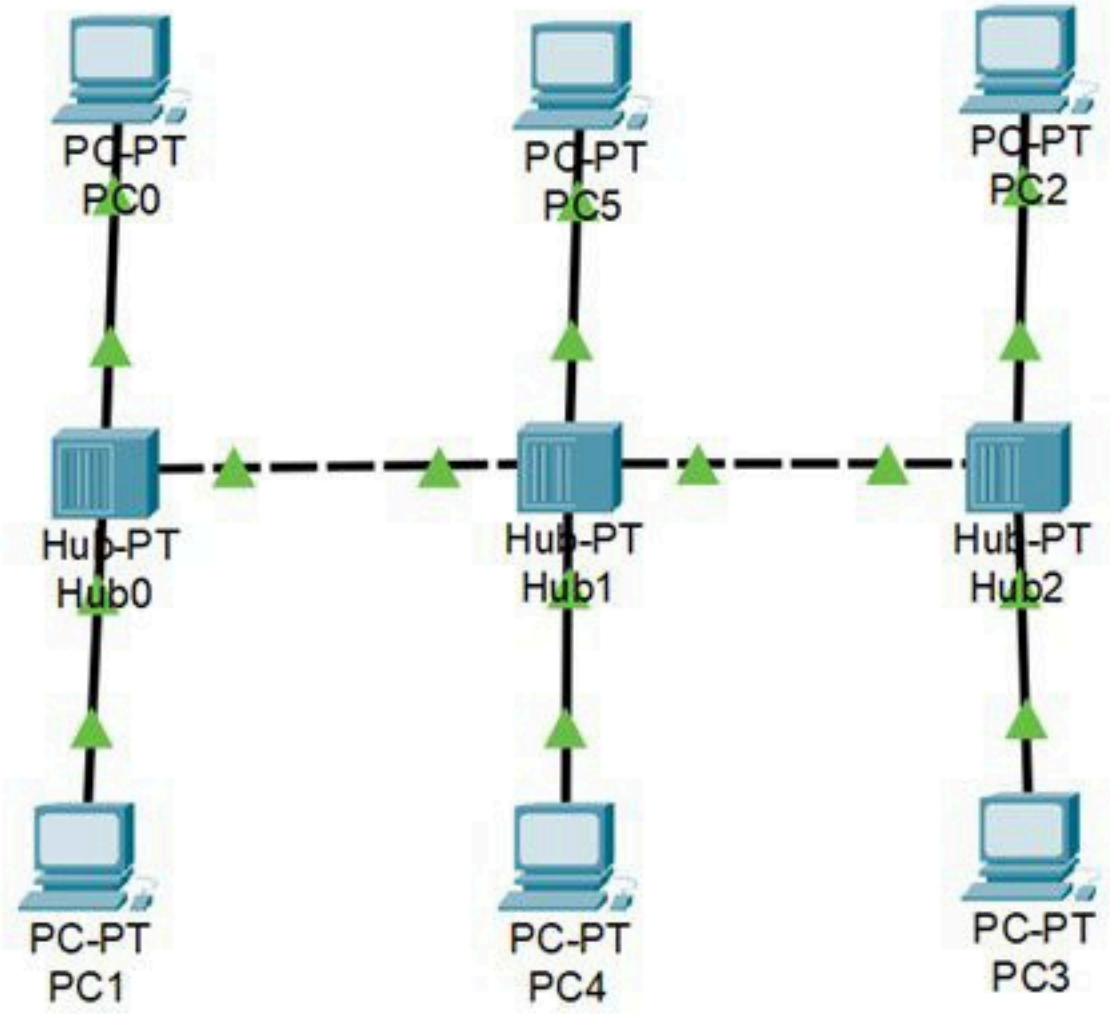
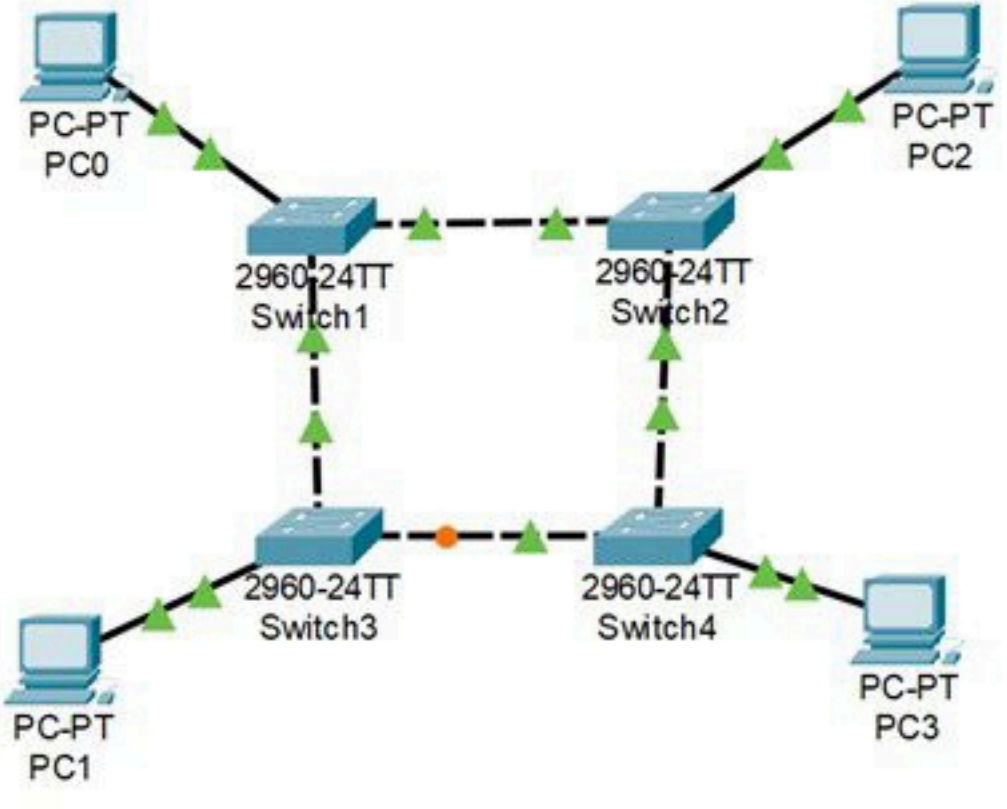
configuration method



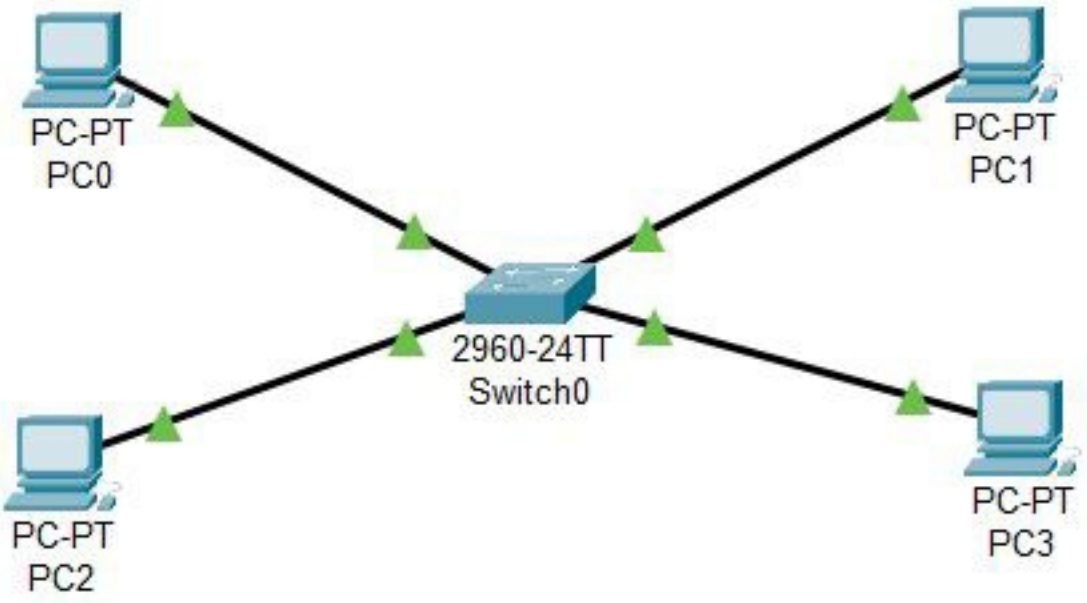
Bus topology



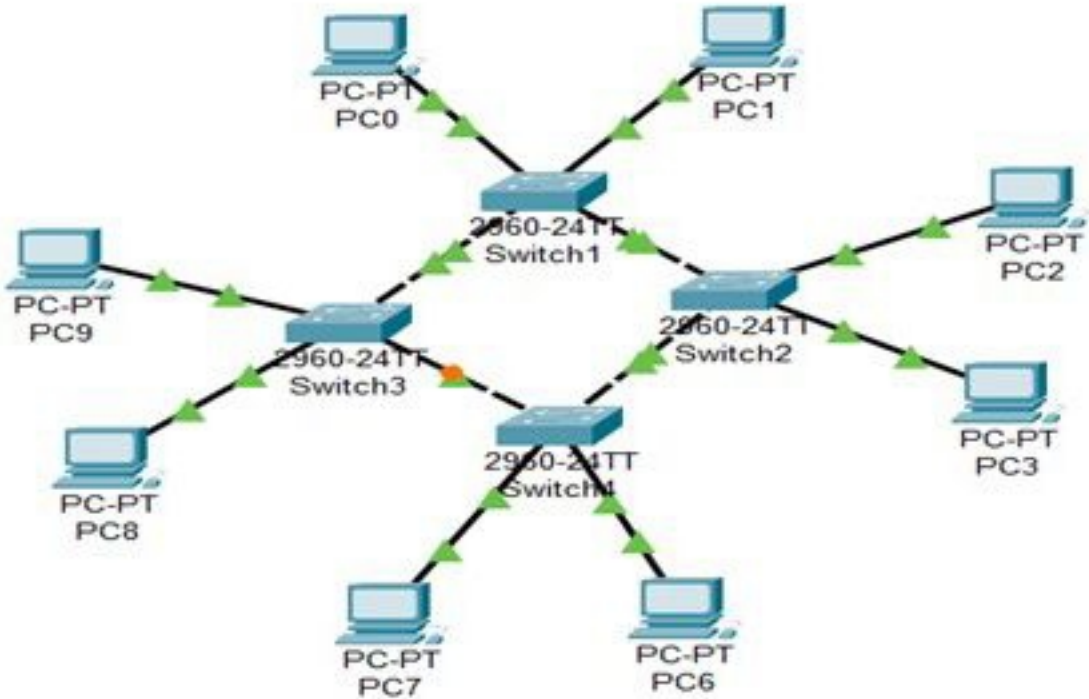
Ring topology

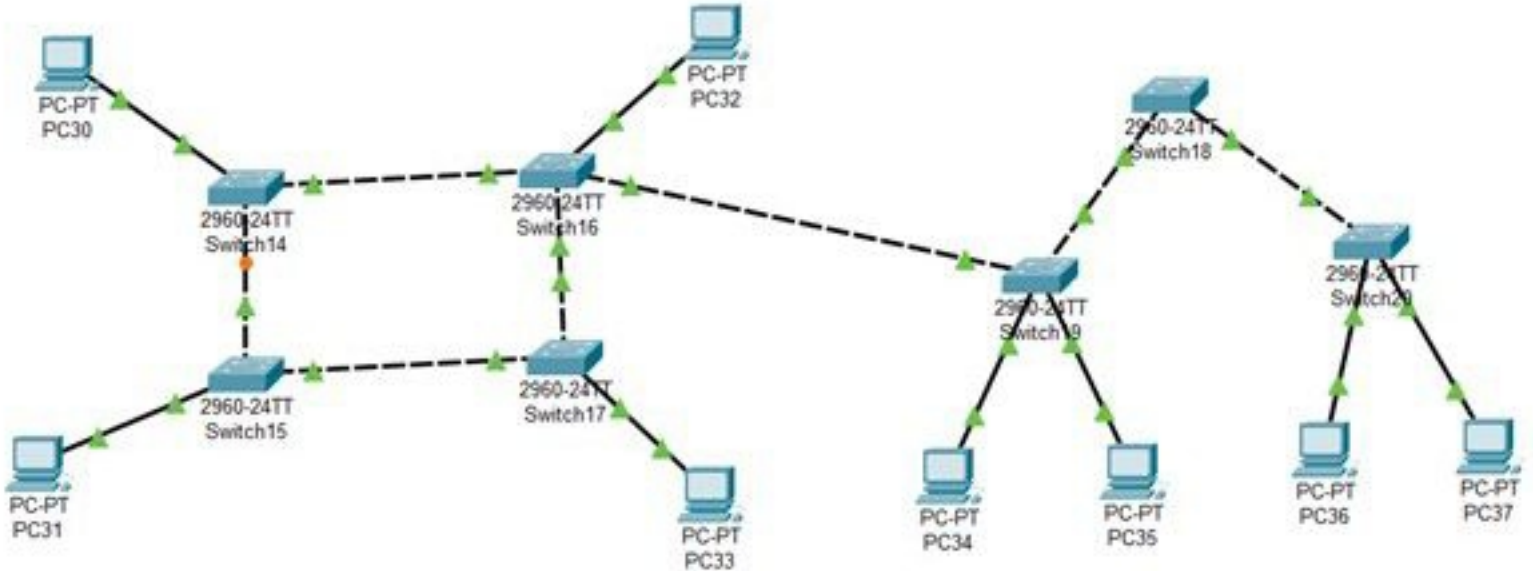


star topology

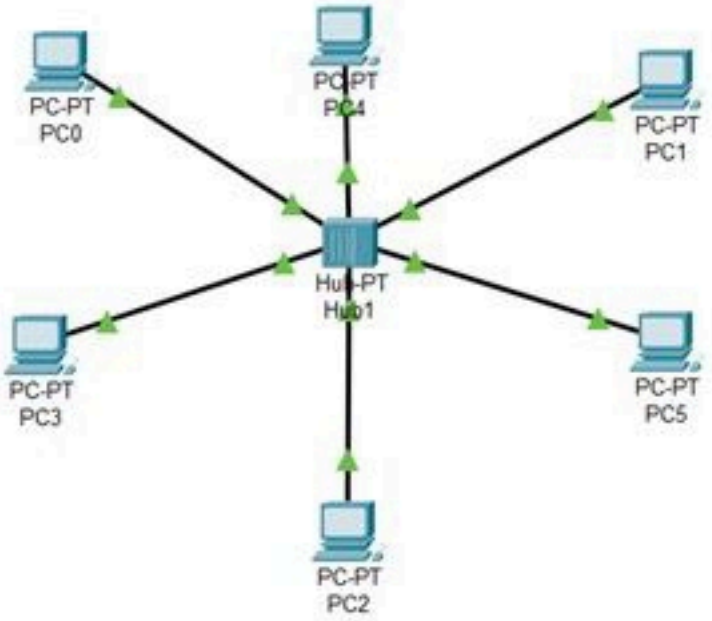


Mesh topology




PC-PT
PC30
PC-PT
PC32
2960-24TT
Switch14
2960-24TT
Switch16
2960-24TT
Switch18
2960-24TT
Switch19
2960-24TT
Switch20
2960-24TT
Switch15
2960-24TT
Switch17
PC-PT
PC31
PC-PT
PC33
PC-PT
PC34
PC-PT
PC35
PC-PT
PC36
PC-PT
PC37

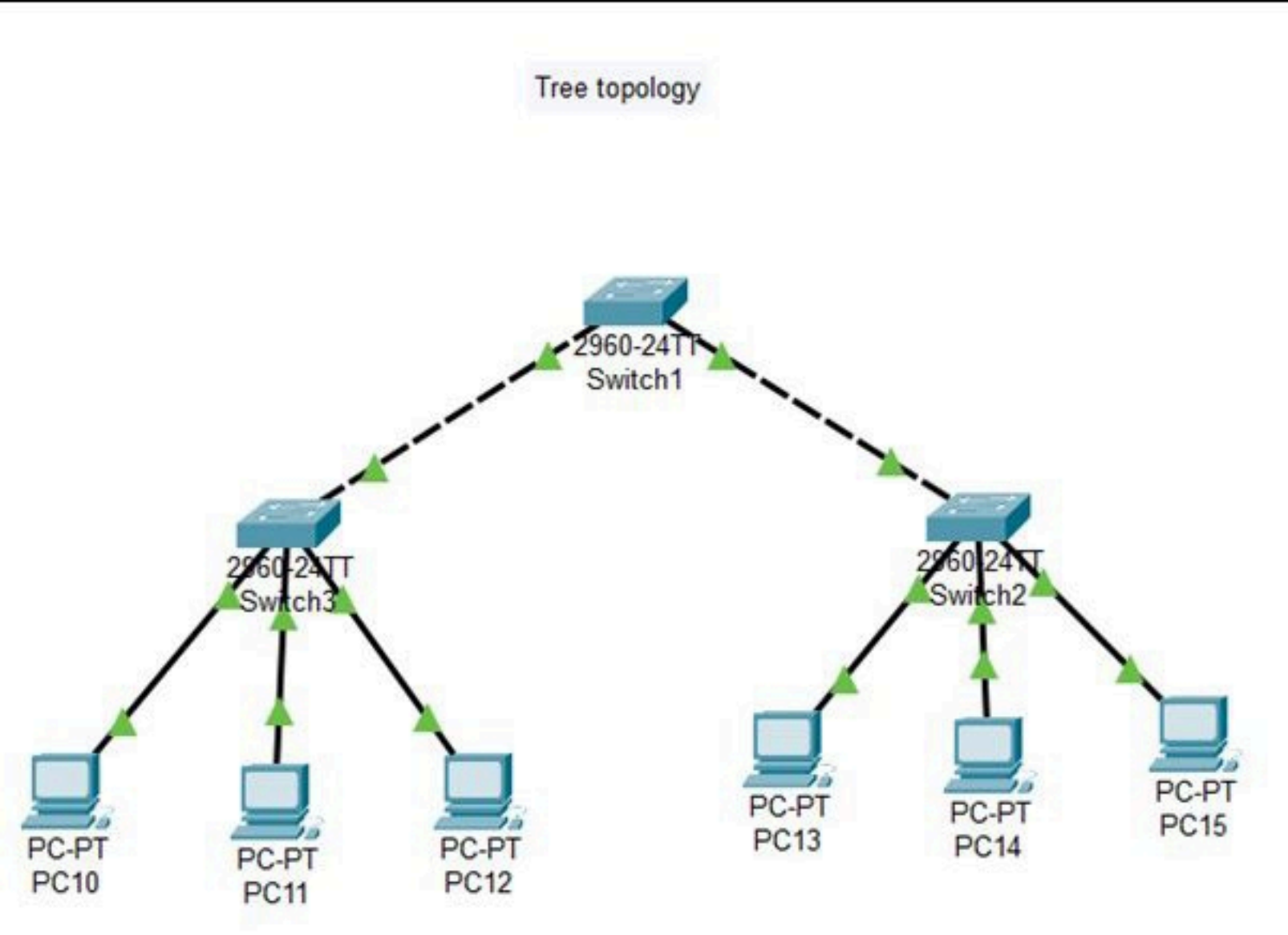
CSMA/CD&CSMA/CA



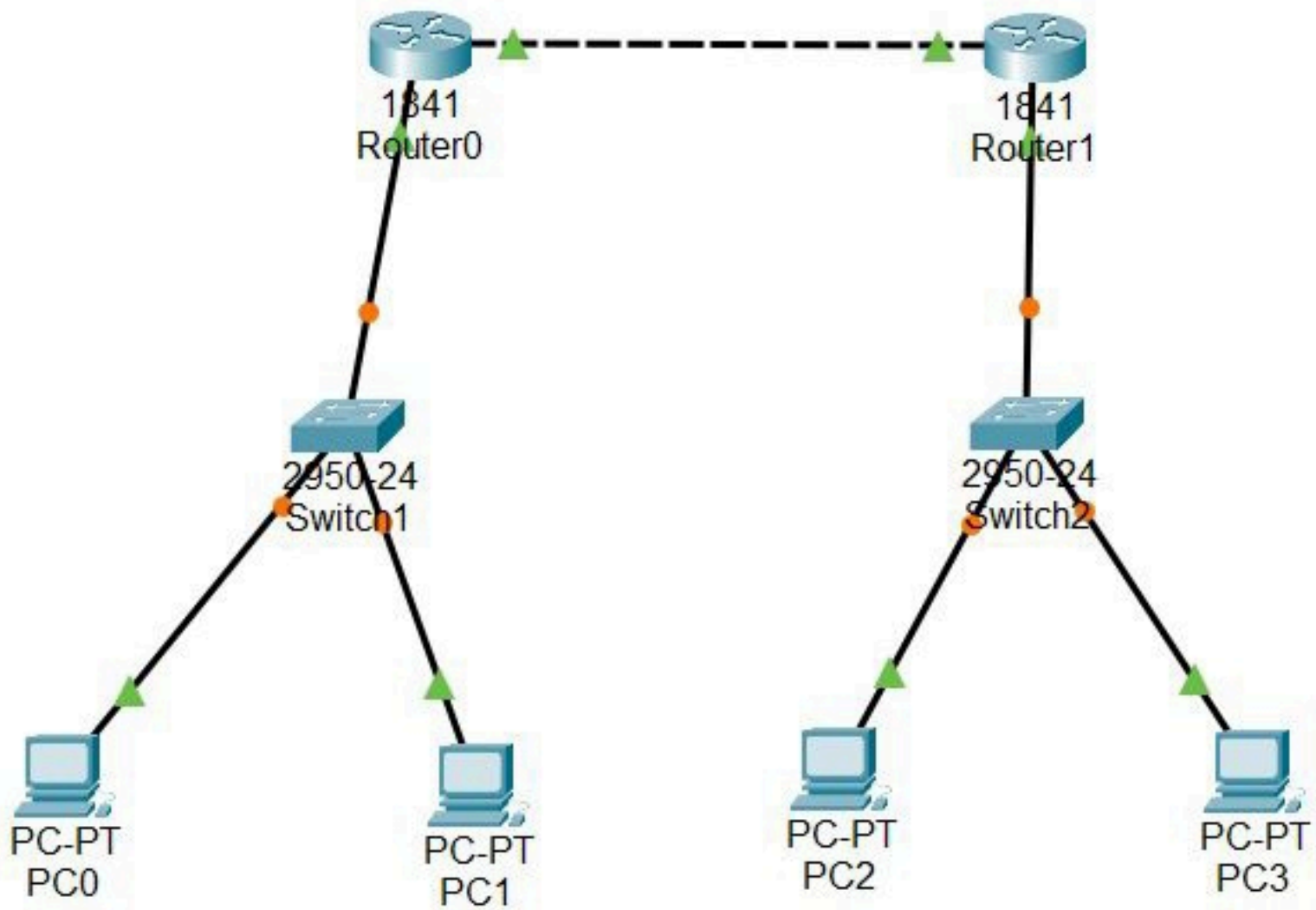
ario 0

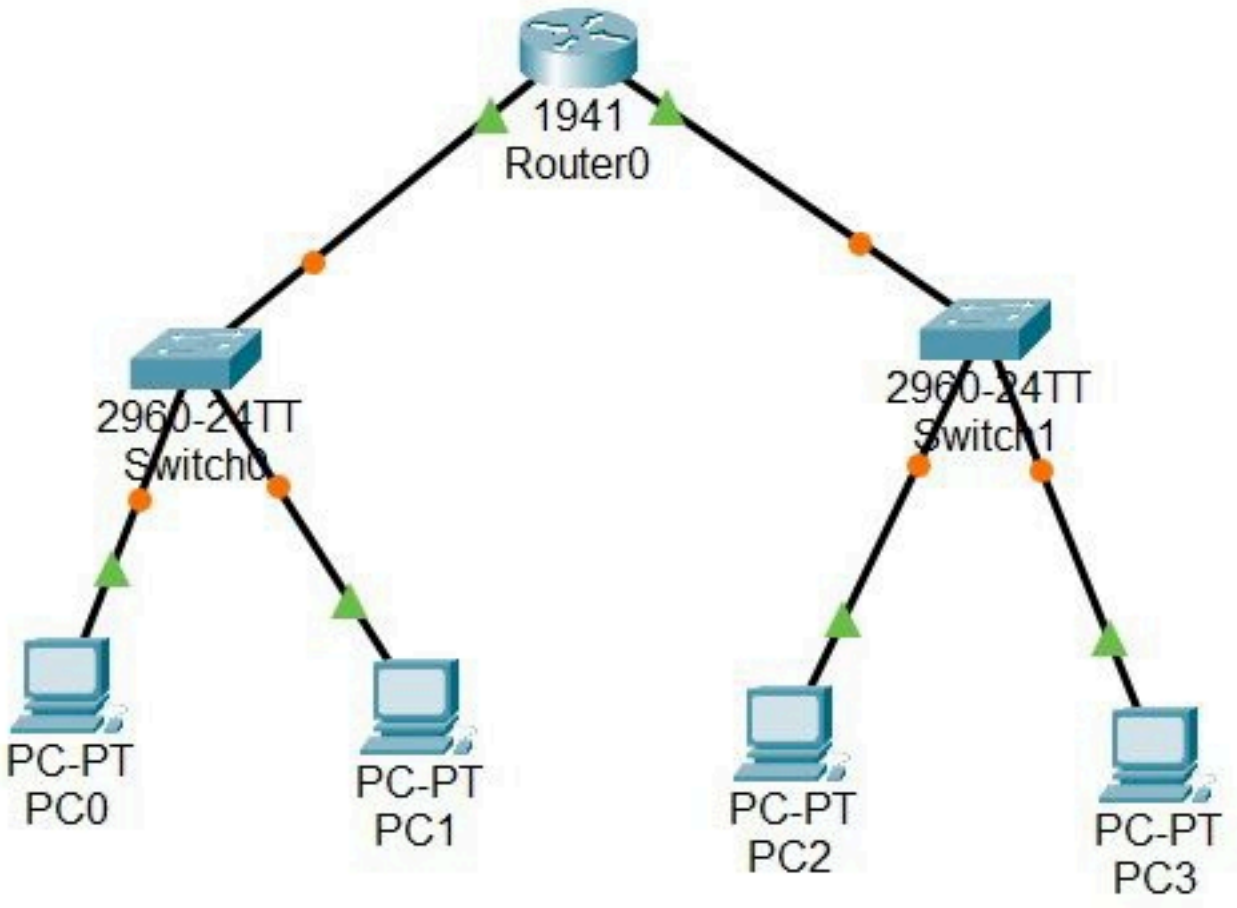
Delete

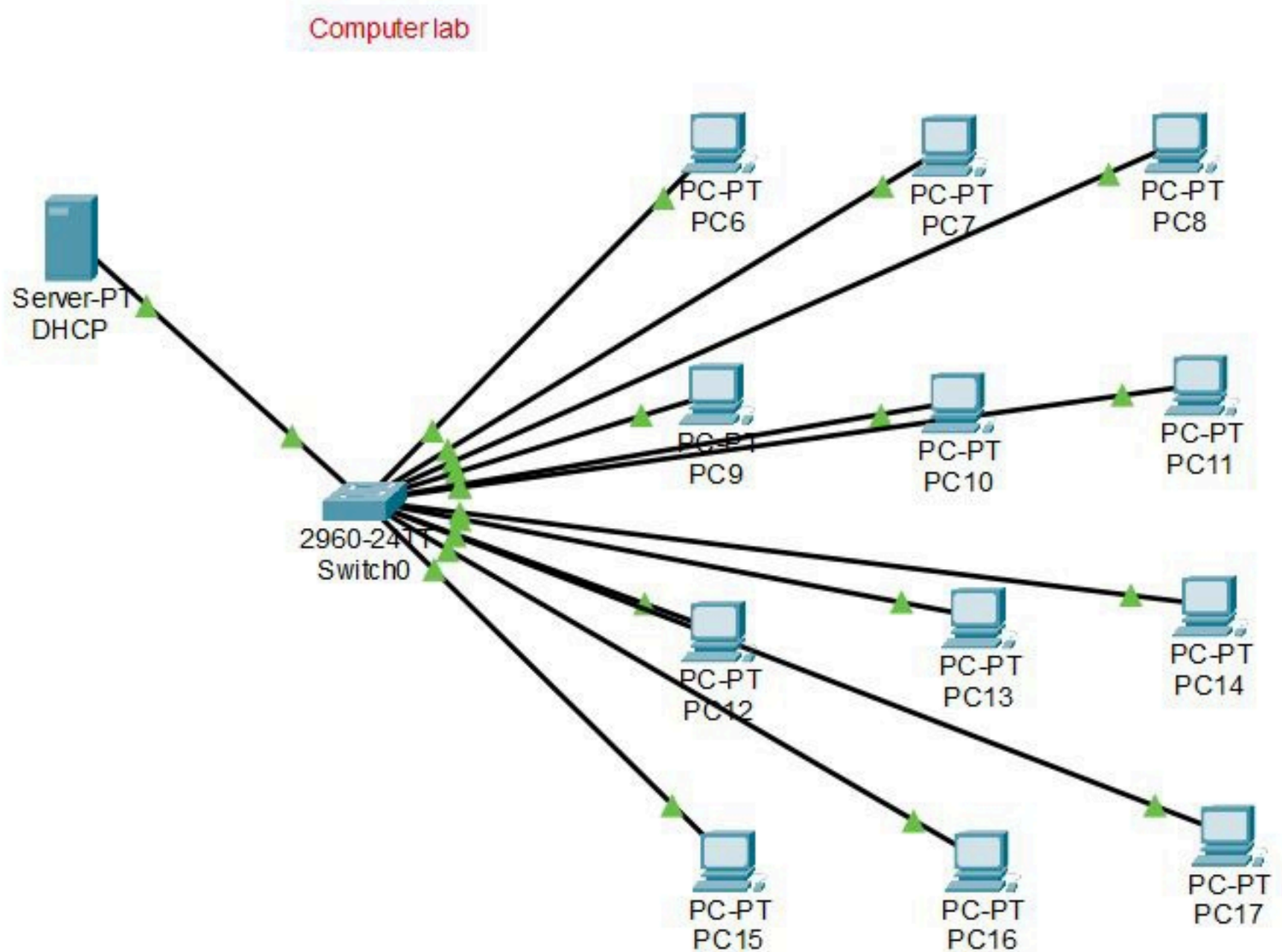
Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC0	PC2	ICMP		0.000	N	0	(edit)	
	Successful	PC3	PC2	ICMP		0.000	N	1	(edit)	

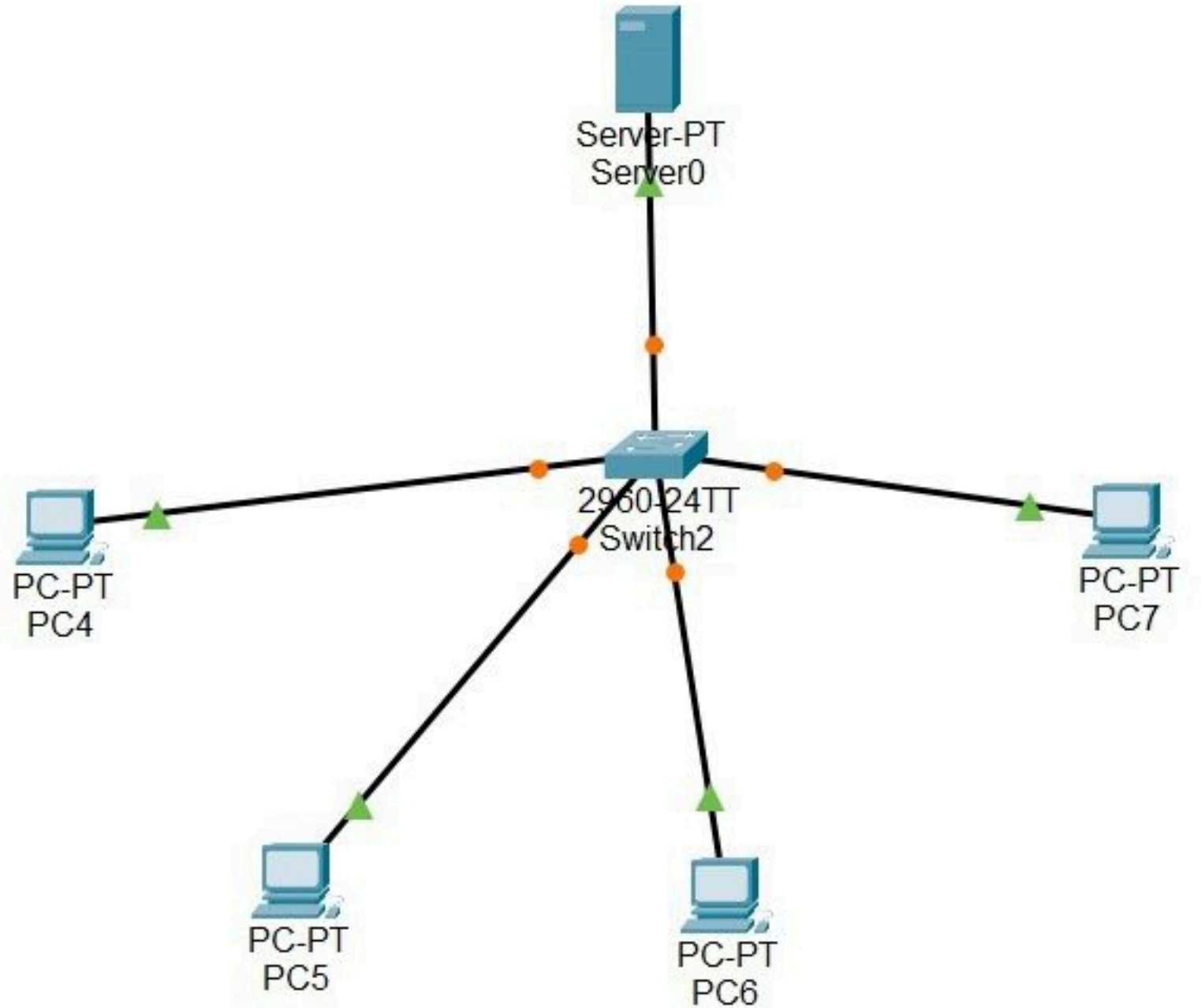

Tree topology
2960-24TT
Switch1
2960-24TT
Switch3
2960-24TT
Switch2
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC13
PC-PT
PC14
PC-PT
PC15

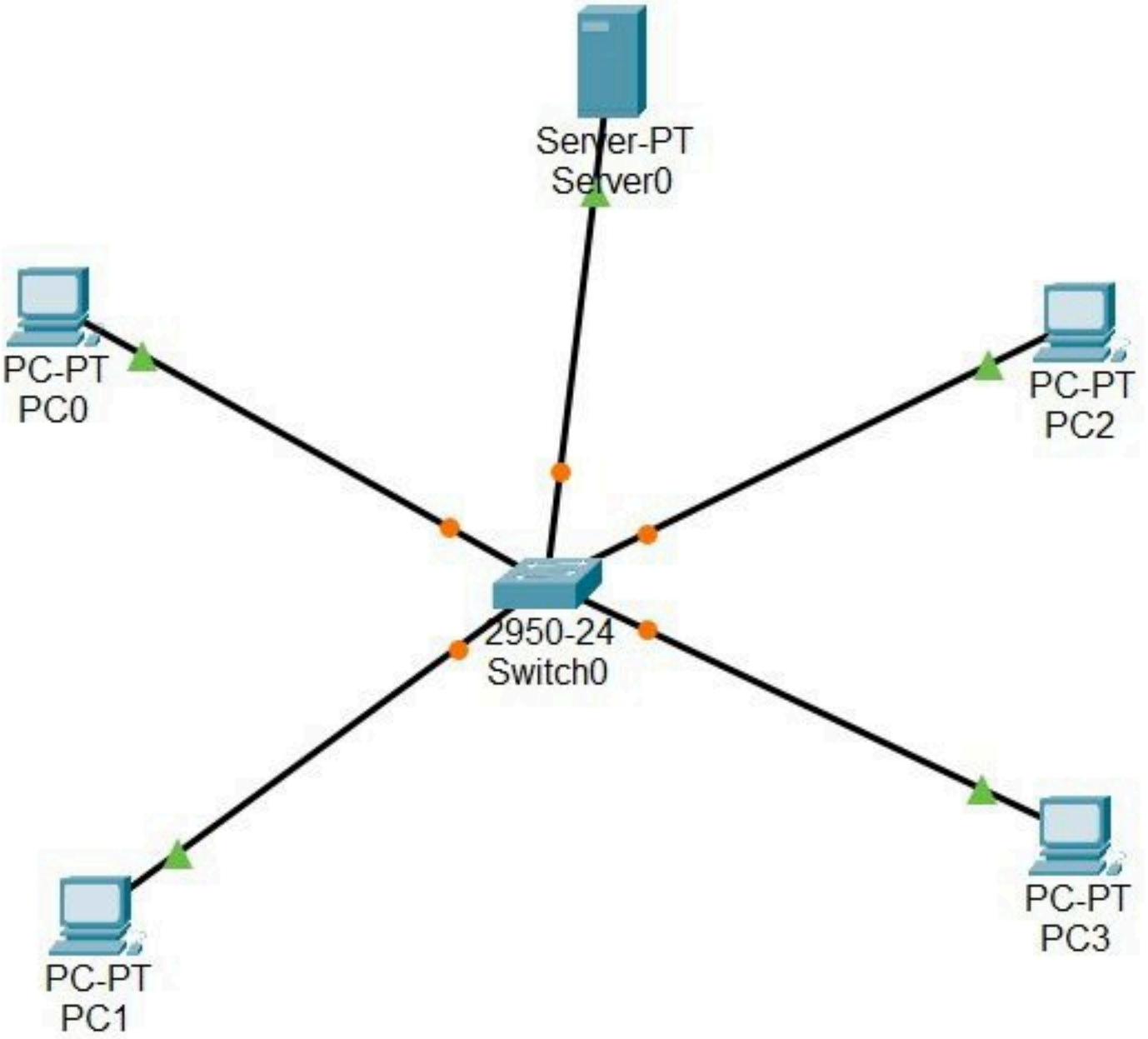
static routing

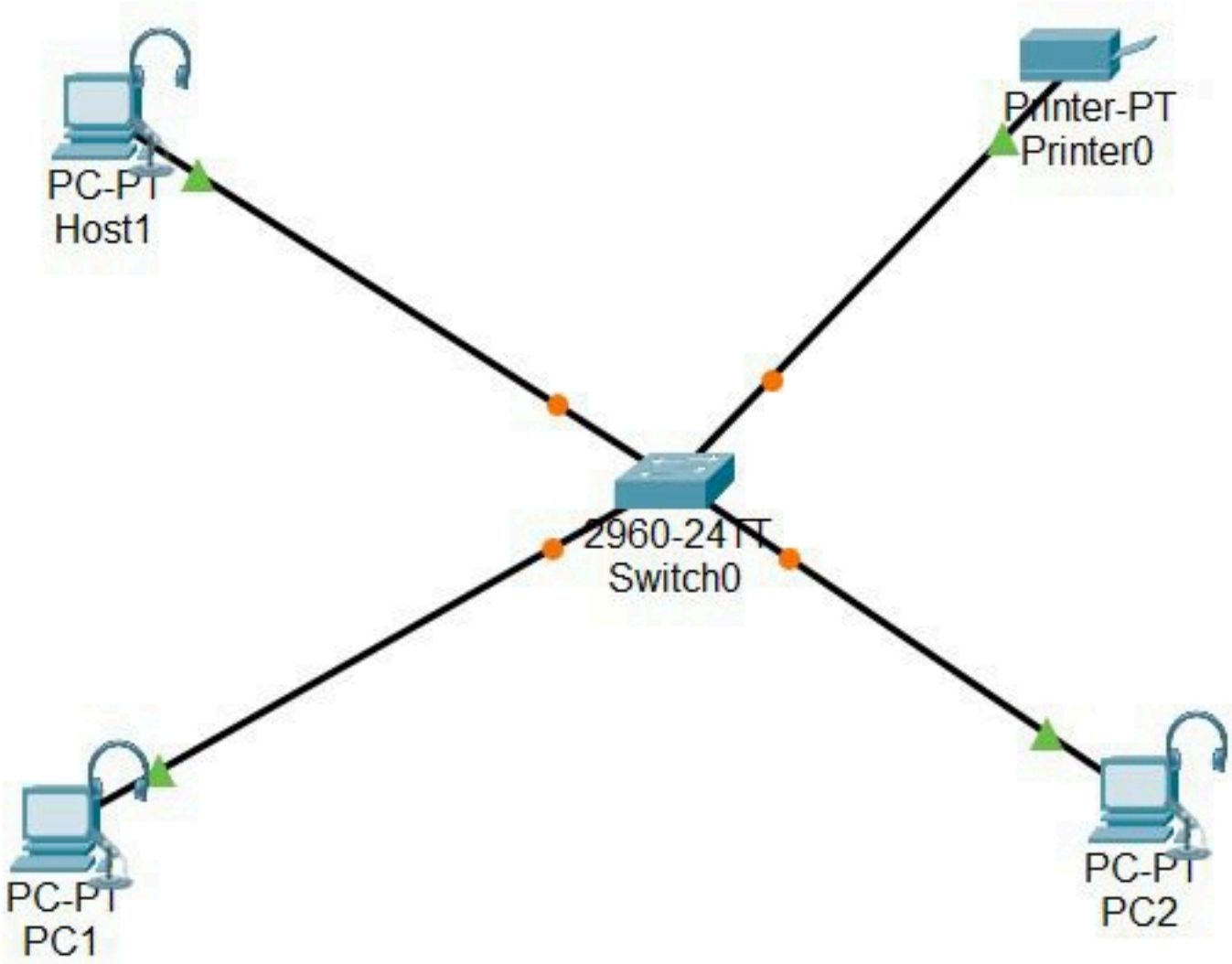



1941
Router0
2960-24TT
Switch0
2960-24TT
Switch1
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3

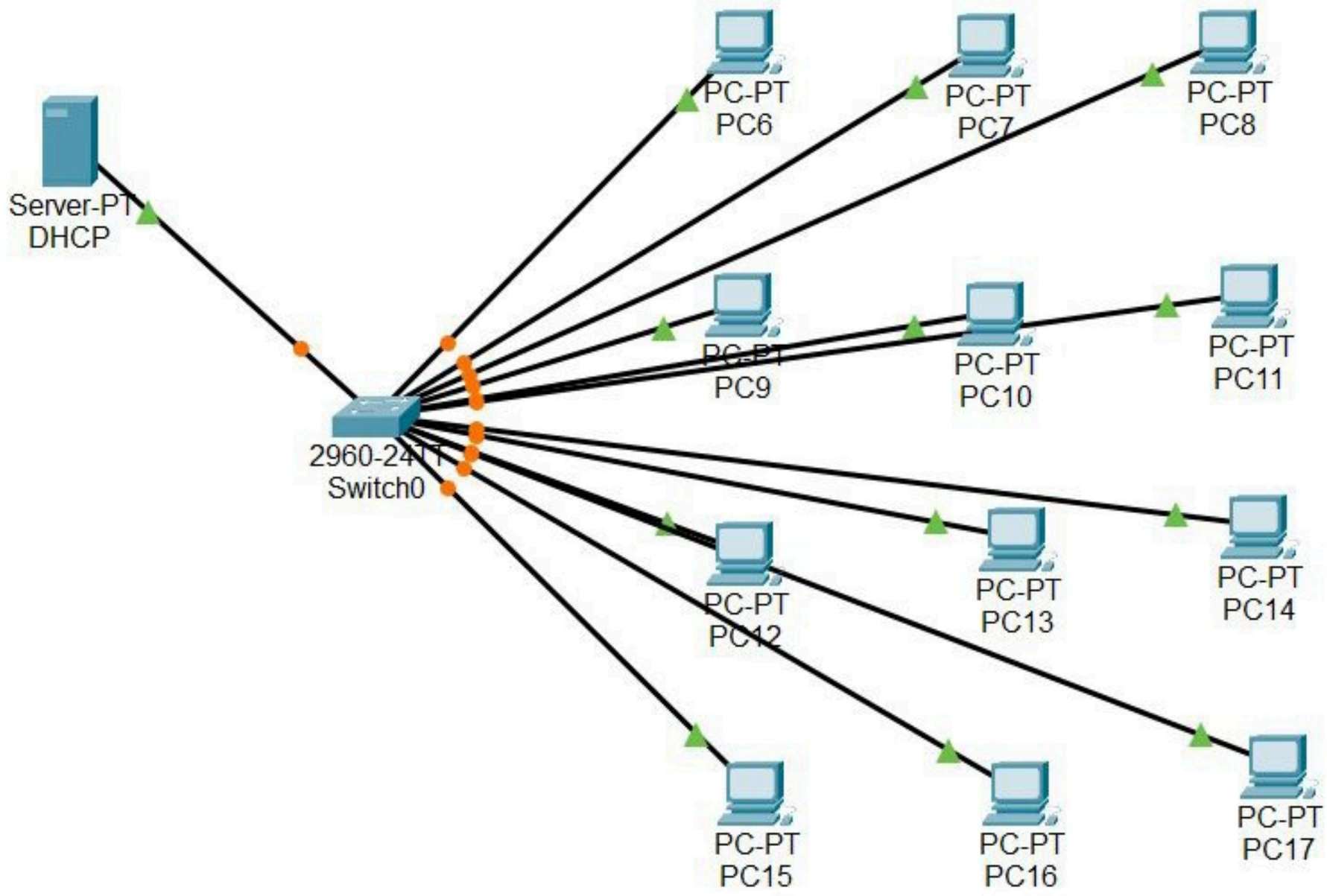

Computer lab
Server-PT
DHCP
2960-24TT
Switch0
PC-PT
PC6
PC-PT
PC7
PC-PT
PC8
PC-PT
PC9
PC-PT
PC10
PC-PT
PC11
PC-PT
PC12
PC-PT
PC13
PC-PT
PC14
PC-PT
PC15
PC-PT
PC16
PC-PT
PC17

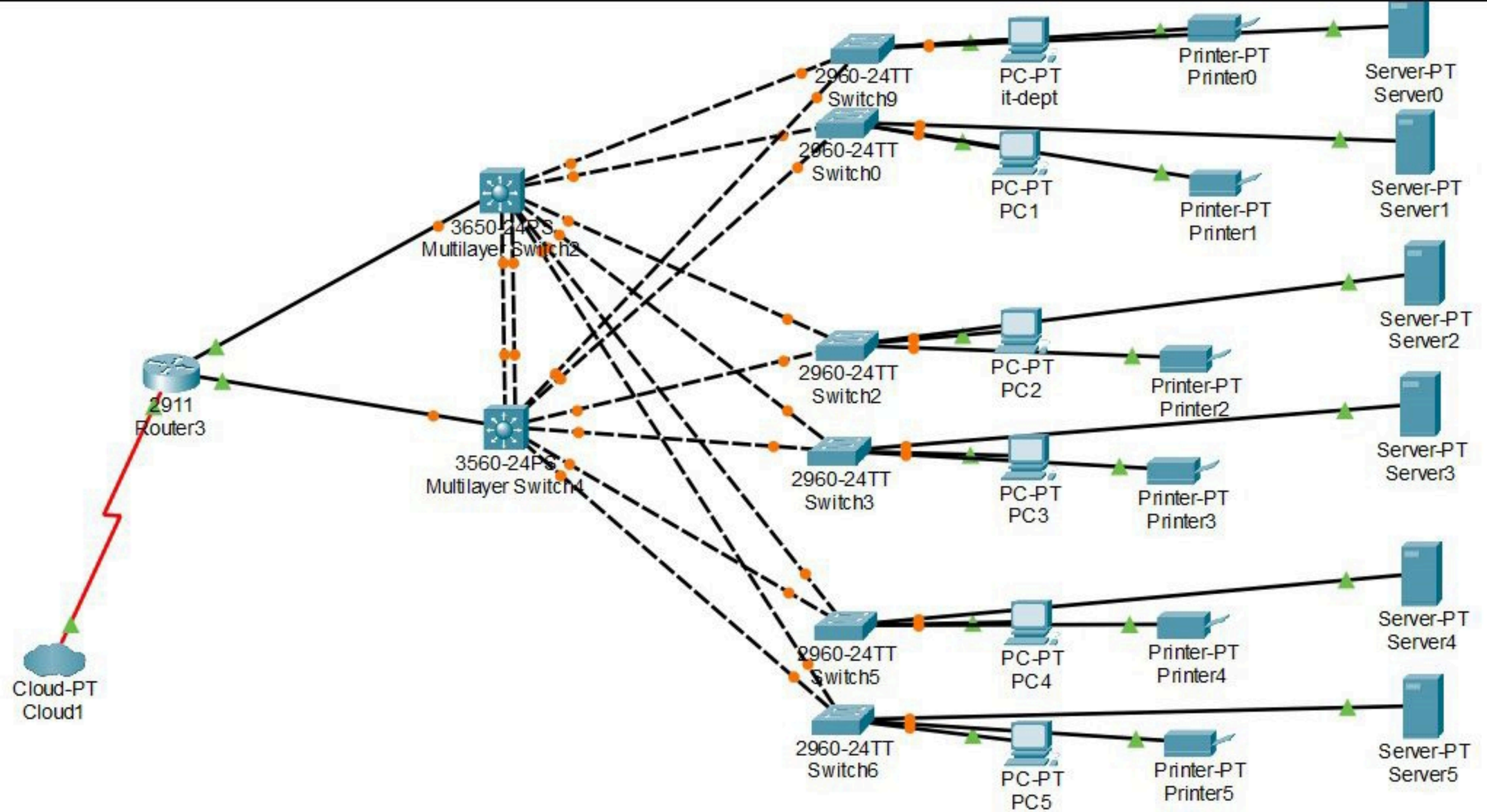

Server-PT
Server0
2960-24TT
Switch2
PC-PT
PC4
PC-PT
PC7
PC-PT
PC5
PC-PT
PC6

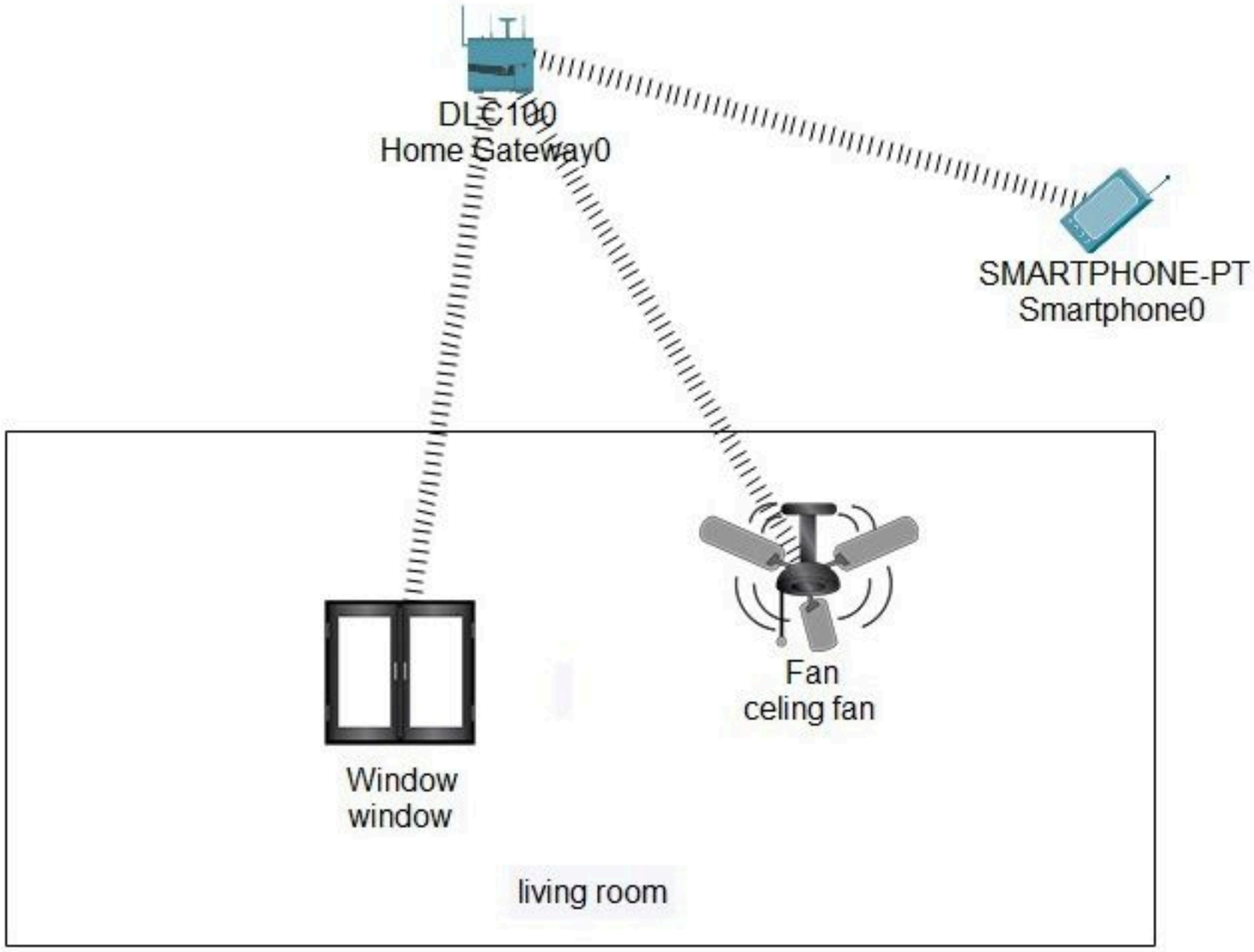

Server-PT
Server0
PC-PT
PC0
PC-PT
PC2
2950-24
Switch0
PC-PT
PC1
PC-PT
PC3

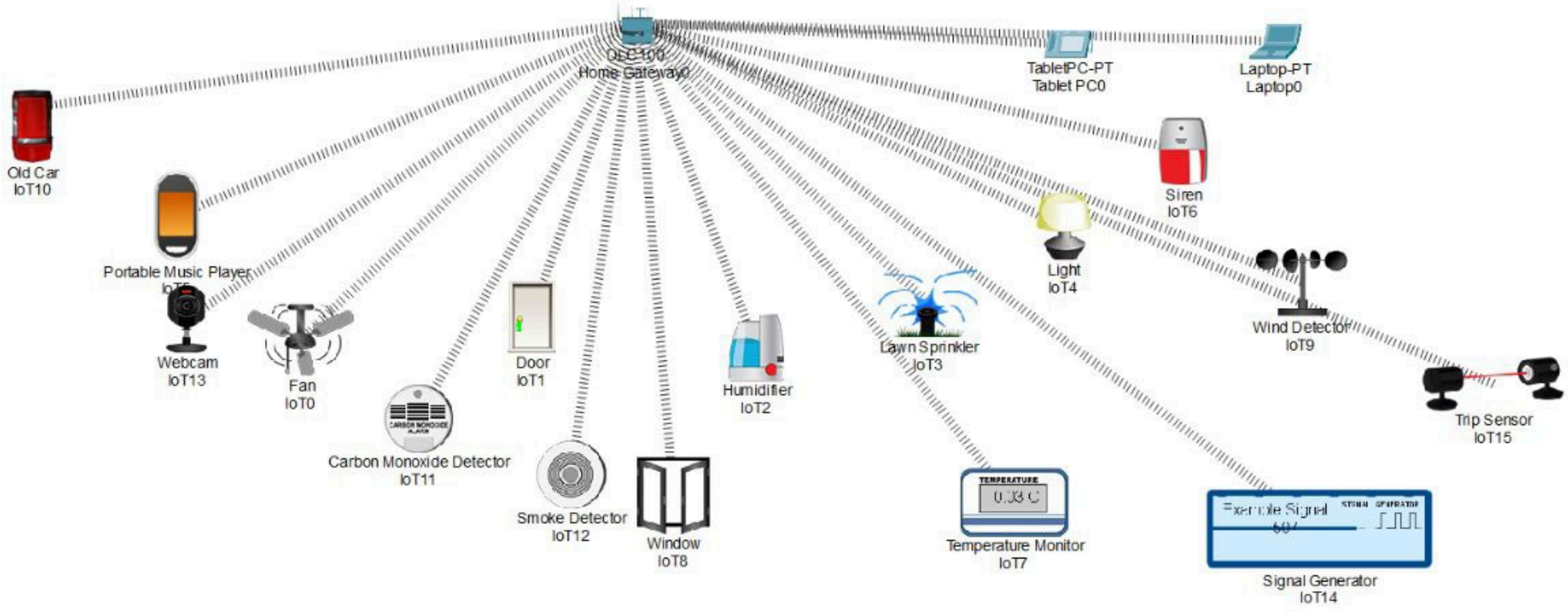

PC-PT
Host1
Printer-PT
Printer0
2960-24TT
Switch0
PC-PT
PC1
PC-PT
PC2

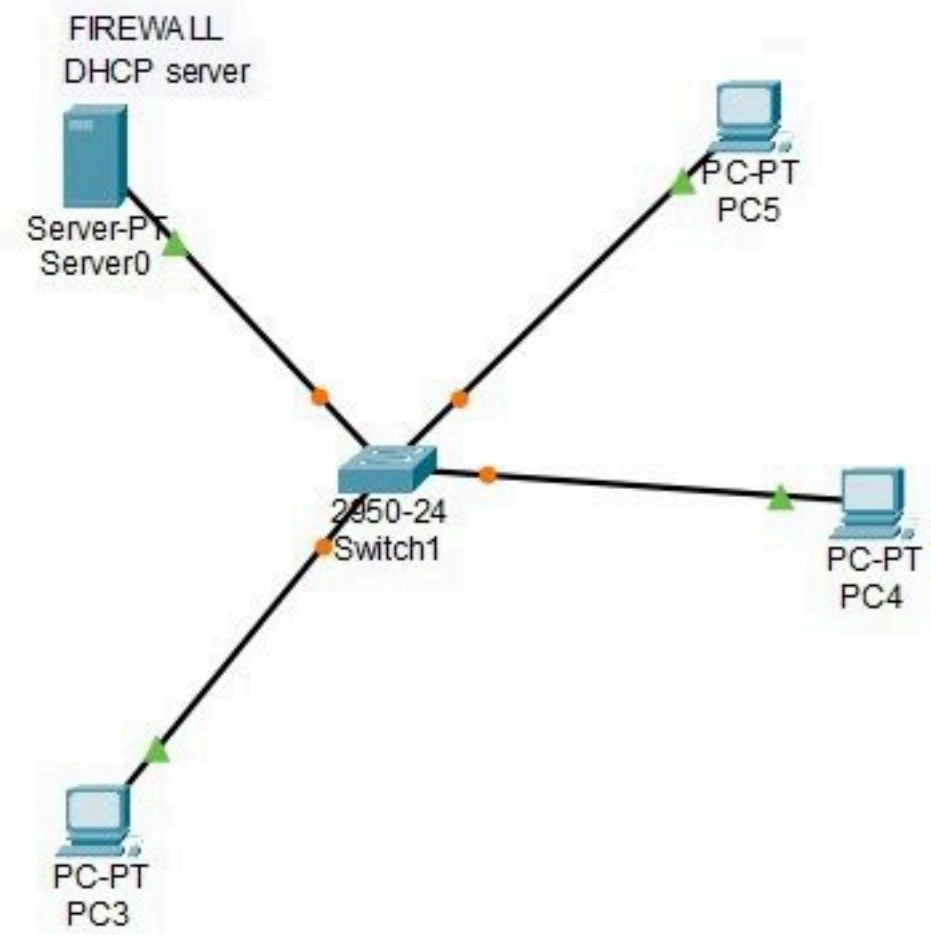
Computer lab




Cloud-PT
Cloud1
2911
Router3
3650-24PS
Multilayer Switch2
3560-24PS
Multilayer Switch4
2960-24TT
Switch9
2960-24TT
Switch0
2960-24TT
Switch2
2960-24TT
Switch3
2960-24TT
Switch5
2960-24TT
Switch6
PC-PT
it-dept
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
Printer-PT
Printer0
Printer-PT
Printer1
Printer-PT
Printer2
Printer-PT
Printer3
Printer-PT
Printer4
Printer-PT
Printer5
Server-PT
Server0
Server-PT
Server1
Server-PT
Server2
Server-PT
Server3
Server-PT
Server4
Server-PT
Server5

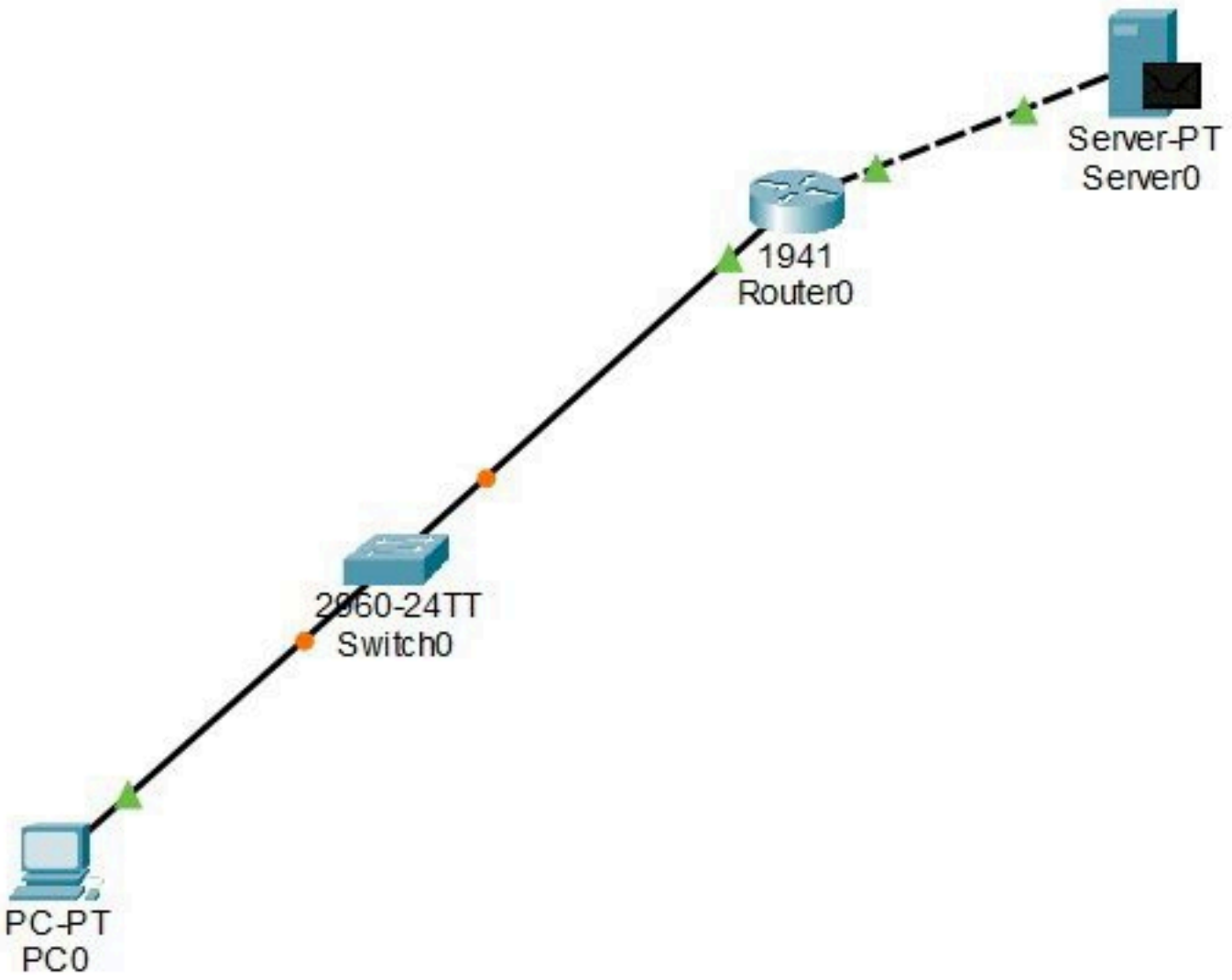

DLC100
Home Gateway0
SMARTPHONE-PT
Smartphone0
Fan
celing fan
Window
window
living room

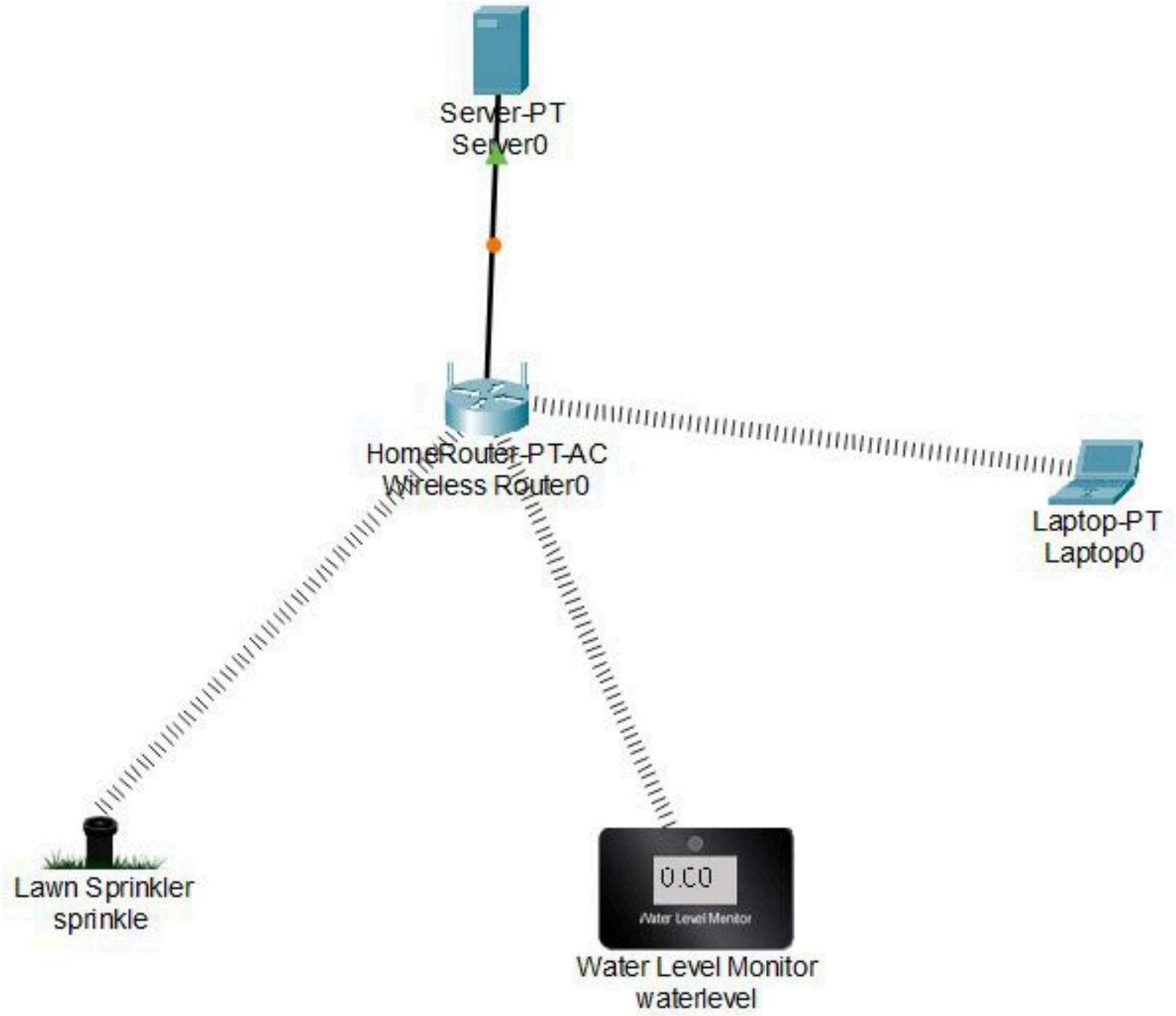

DEC100
Home Gateway0
TabletPC-PT
Tablet PC0
Laptop-PT
Laptop0
Old Car
IoT10
Portable Music Player
IoT5
Webcam
IoT13
Fan
IoT0
Carbon Monoxide Detector
IoT11
Door
IoT1
Smoke Detector
IoT12
Window
IoT8
Humidifier
IoT2
Lawn Sprinkler
IoT3
Temperature Monitor
IoT7
Siren
IoT6
Light
IoT4
Wind Detector
IoT9
Trip Sensor
IoT15
Signal Generator
IoT14

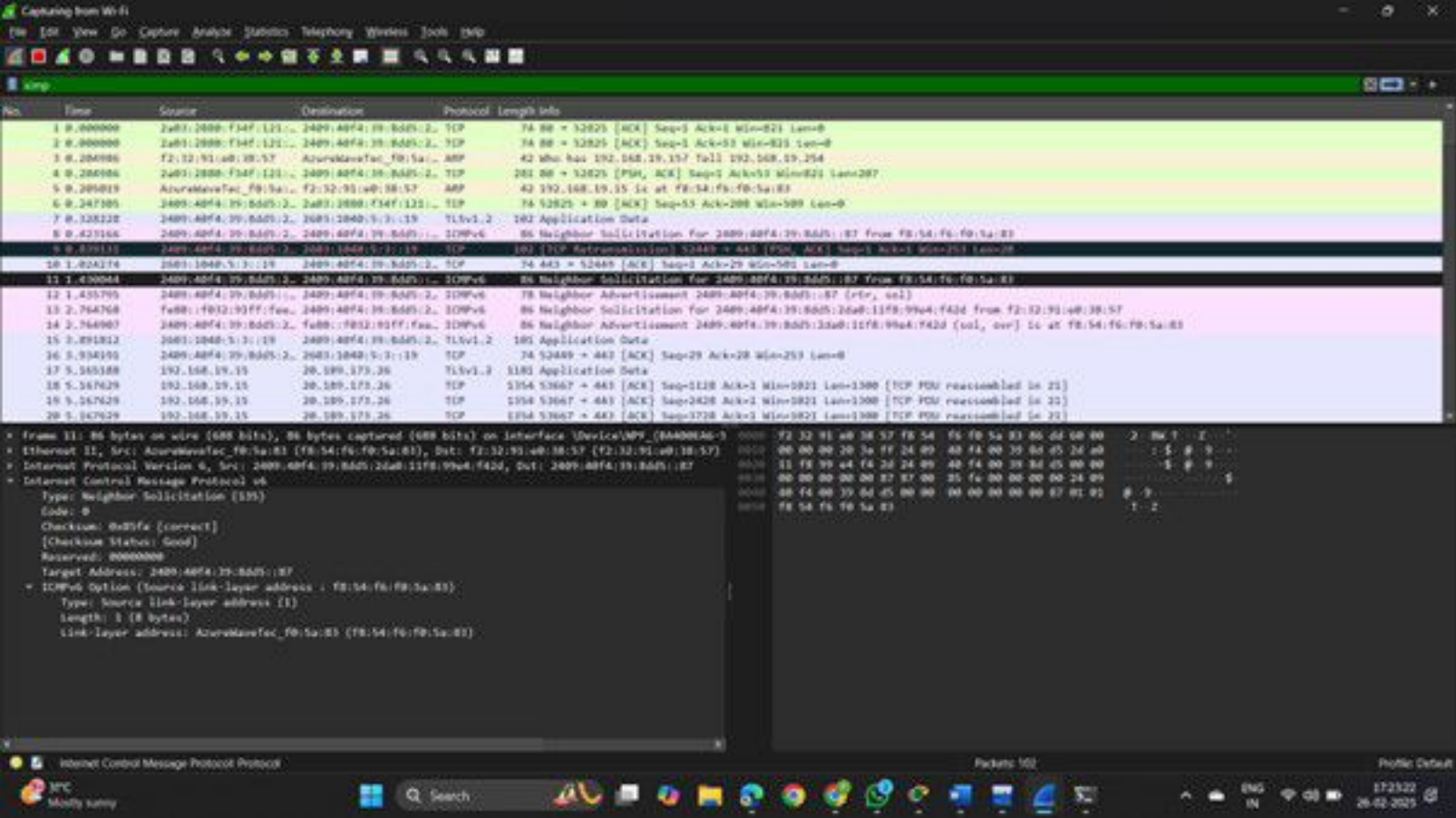

FIREWALL
DHCP server
Server-PT
Server0
PC-PT
PC5
2950-24
Switch1
PC-PT
PC4
PC-PT
PC3

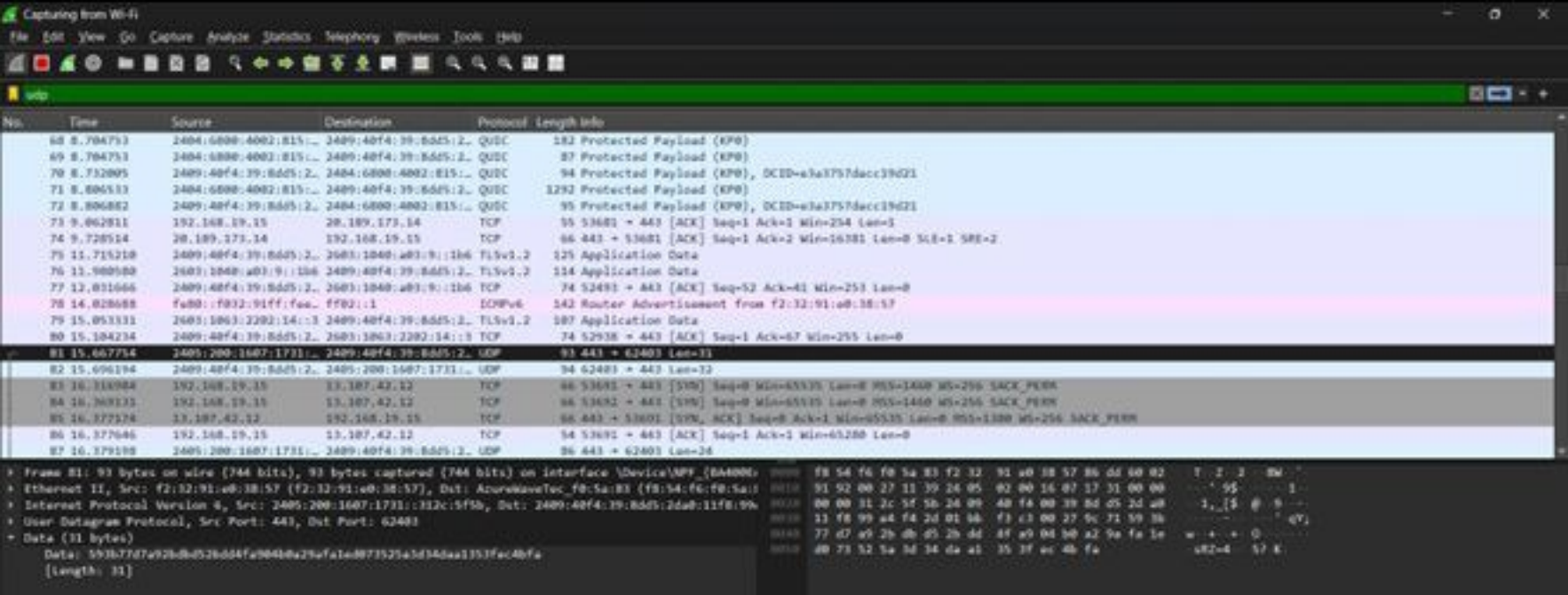
```
101 0.120645    192.168.186.197    223.196.146.77    UDP    81 62236 → 443 Len=39
```

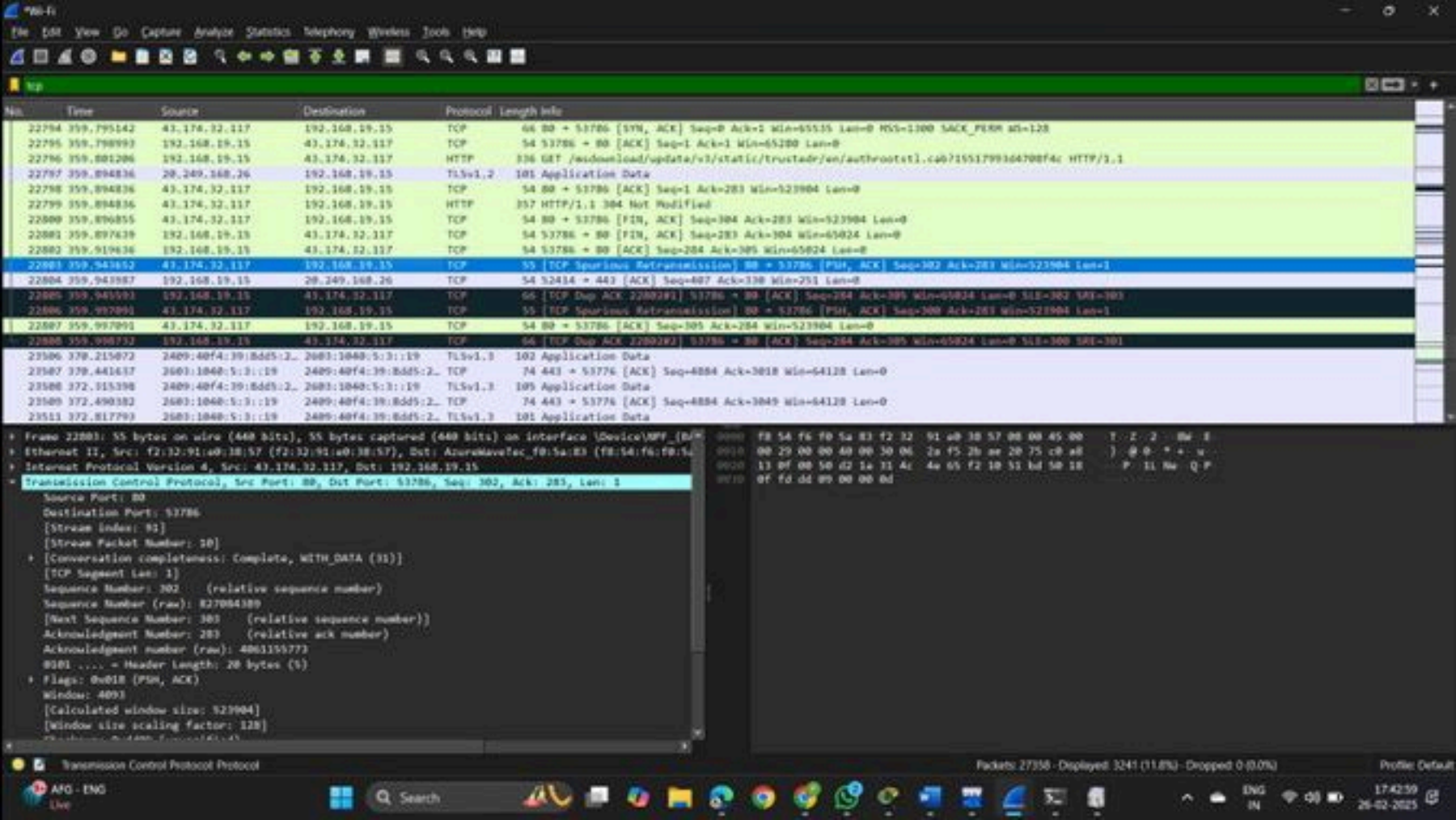
```
▸ Source: AzureWaveTec_a4:43:01 (a8:41:f4:a4:43:01)
  Type: IPv4 (0x0800)
  [Stream index: 0]
▾ Internet Protocol Version 4, Src: 192.168.186.197, Dst: 216.239.38.223
  0100 .... = Version: 4
  .... 0101 = Header Length: 20 bytes (5)
▸ Differentiated Services Field: 0x00 (DSCP: CS0, ECN: Not-ECT)
  Total Length: 1195
  Identification: 0x19cd (6605)
▸ 010. .... = Flags: 0x2, Don't fragment
  ...0 0000 0000 0000 = Fragment Offset: 0
  Time to Live: 62
  Protocol: UDP (17)
  Header Checksum: 0xa338 [validation disabled]
  [Header checksum status: Unverified]
  Source Address: 192.168.186.197
  Destination Address: 216.239.38.223
  [Stream index: 0]
▾ User Datagram Protocol, Src Port: 62604, Dst Port: 443
  Source Port: 62604
  Destination Port: 443
  Length: 1175
  Checksum: 0xe7dc [unverified]
  [Checksum Status: Unverified]
  [Stream index: 0]
  [Stream Packet Number: 3]
▸ [Timestamps]
  UDP payload (1167 bytes)
▾ Data (1167 bytes)
  Data [...]: 45f48b9ec6180490719e858ebad1ae4f96227fd4808946eecf178cb9b7c4d4b7d0f6a5a5b1a9e9c6af67ae7a7
  [Length: 1167]
```

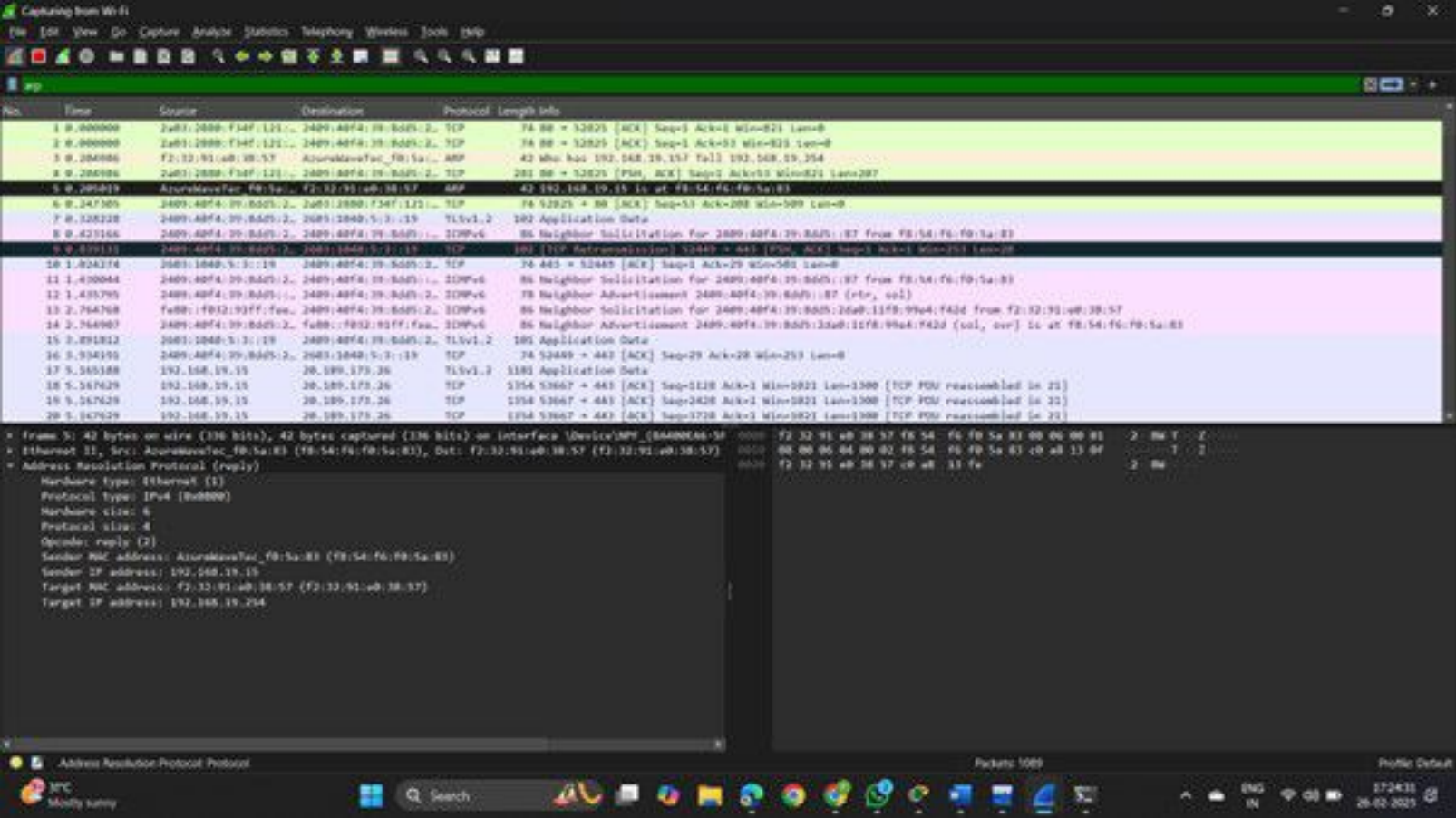

Server-PT
Server0
1941
Router0
2960-24TT
Switch0
PC-PT
PC0


Server-PT
Server0
HomeRouter-PT-AC
Wireless Router0
Laptop-PT
Laptop0
Lawn Sprinkler
sprinkle
0.00
Water Level Monitor
Water Level Monitor
waterlevel


Capturing from Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
icmp
No. Time Source Destination Protocol Length Info
1 0.000000 2a01:2680:f34f:121:.. 2409:40f4:39:8dd5:2.. TCP 74 80 → 52825 [ACK] Seq=1 Ack=1 Win=821 Len=0
2 0.000000 2a01:2680:f34f:121:.. 2409:40f4:39:8dd5:2.. TCP 74 80 → 52825 [ACK] Seq=1 Ack=53 Win=821 Len=0
3 0.284986 f2:32:91:e0:38:57 AzureWaveTec_f0:5a:.. ARP 42 Who has 192.168.19.15? Tell 192.168.19.254
4 0.284986 2a01:2680:f34f:121:.. 2409:40f4:39:8dd5:2.. TCP 281 80 → 52825 [PSH, ACK] Seq=1 Ack=53 Win=821 Len=207
5 0.285019 AzureWaveTec_f0:5a:.. f2:32:91:e0:38:57 ARP 42 192.168.19.15 is at f8:54:f6:f0:5a:83
6 0.287305 2409:40f4:39:8dd5:2.. 2a01:2680:f34f:121:.. TCP 74 52825 → 80 [ACK] Seq=53 Ack=208 Win=509 Len=0
7 0.328328 2409:40f4:39:8dd5:2.. 2603:1040:5:3::19 TLSv1.2 102 Application Data
8 0.423166 2409:40f4:39:8dd5:2.. 2409:40f4:39:8dd5:... ICMPv6 86 Neighbor Solicitation for 2409:40f4:39:8dd5::87 from f8:54:f6:f0:5a:83
9 0.839131 2409:40f4:39:8dd5:2.. 2603:1040:5:3::19 TCP 102 [TCP Retransmission] 52849 → 443 [PSH, ACK] Seq=1 Ack=1 Win=253 Len=28
10 1.024174 2603:1040:5:3::19 2409:40f4:39:8dd5:2.. TCP 74 443 → 52849 [ACK] Seq=1 Ack=29 Win=501 Len=0
11 1.430064 2409:40f4:39:8dd5:2.. 2409:40f4:39:8dd5:... ICMPv6 86 Neighbor Solicitation for 2409:40f4:39:8dd5::87 from f8:54:f6:f0:5a:83
12 1.435795 2409:40f4:39:8dd5:... 2409:40f4:39:8dd5:2.. ICMPv6 78 Neighbor Advertisement 2409:40f4:39:8dd5::87 (rtr, sol)
13 2.764768 fe80::f032:91ff:fea.. 2409:40f4:39:8dd5:2.. ICMPv6 86 Neighbor Solicitation for 2409:40f4:39:8dd5:2da0:11f8:99a4:f42d from f2:32:91:e0:38:57
14 2.764907 2409:40f4:39:8dd5:2.. fe80::f032:91ff:fea.. ICMPv6 86 Neighbor Advertisement 2409:40f4:39:8dd5:2da0:11f8:99a4:f42d (sol, ovr) is at f8:54:f6:f0:5a:83
15 3.891812 2603:1040:5:3::19 2409:40f4:39:8dd5:2.. TLSv1.2 105 Application Data
16 3.934191 2409:40f4:39:8dd5:2.. 2603:1040:5:3::19 TCP 74 52849 → 443 [ACK] Seq=29 Ack=28 Win=253 Len=0
17 5.165188 192.168.19.15 20.189.173.26 TLSv1.2 1185 Application Data
18 5.167629 192.168.19.15 20.189.173.26 TCP 1354 53667 → 443 [ACK] Seq=1128 Ack=1 Win=1021 Len=1300 [TCP PDU reassembled in 21]
19 5.167629 192.168.19.15 20.189.173.26 TCP 1354 53667 → 443 [ACK] Seq=2428 Ack=1 Win=1021 Len=1300 [TCP PDU reassembled in 21]
20 5.167629 192.168.19.15 20.189.173.26 TCP 1354 53667 → 443 [ACK] Seq=3728 Ack=1 Win=1021 Len=1300 [TCP PDU reassembled in 21]
Frame 11: 86 bytes on wire (688 bits), 86 bytes captured (688 bits) on interface \Device\NPF_{8A4B0EA6-5
Ethernet II, Src: AzureWaveTec_f0:5a:83 (f8:54:f6:f0:5a:83), Dst: f2:32:91:e0:38:57 (f2:32:91:e0:38:57)
Internet Protocol Version 6, Src: 2409:40f4:39:8dd5:2da0:11f8:99a4:f42d, Dst: 2409:40f4:39:8dd5::87
Internet Control Message Protocol v6
Type: Neighbor Solicitation (135)
Code: 0
Checksum: 0x05fa [correct]
[Checksum Status: Good]
Reserved: 00000000
Target Address: 2409:40f4:39:8dd5::87
ICMPv6 Option (Source link-layer address : f8:54:f6:f0:5a:83)
Type: Source link-layer address (1)
Length: 1 (8 bytes)
Link-layer address: AzureWaveTec_f0:5a:83 (f8:54:f6:f0:5a:83)
0000 f2 32 91 e0 38 57 f8 54 f6 f0 5a 83 86 dd 60 00
0010 00 00 00 20 3a ff 24 09 40 f4 00 39 8d d5 2d a0
0020 11 f8 99 a4 f4 2d 24 09 40 f4 00 39 8d d5 00 00
0030 00 00 00 00 00 87 87 00 05 fa 00 00 00 00 24 09
0040 40 f4 00 39 8d d5 00 00 00 00 00 00 87 01 01 00
0050 f8 54 f6 f0 5a 83
Internet Control Message Protocol Protocol
Packets: 102
Profile: Default
Search
ENG
IN
17:23:22
26-02-2025


Capturing from Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
udp
No. Time Source Destination Protocol Length Info
68 8.704753 2404:6800:4002:815:… 2409:40f4:39:8dd5:2… QUIC 182 Protected Payload (KP0)
69 8.704753 2404:6800:4002:815:… 2409:40f4:39:8dd5:2… QUIC 87 Protected Payload (KP0)
70 8.732005 2409:40f4:39:8dd5:2… 2404:6800:4002:815:… QUIC 94 Protected Payload (KP0), DCID=e3a3757dacc19d21
71 8.806533 2404:6800:4002:815:… 2409:40f4:39:8dd5:2… QUIC 1292 Protected Payload (KP0)
72 8.806882 2409:40f4:39:8dd5:2… 2404:6800:4002:815:… QUIC 95 Protected Payload (KP0), DCID=e3a3757dacc19d21
73 9.062811 192.168.19.15 20.189.173.14 TCP 55 53681 → 443 [ACK] Seq=1 Ack=1 Win=254 Len=1
74 9.728514 20.189.173.14 192.168.19.15 TCP 66 443 → 53681 [ACK] Seq=1 Ack=2 Win=16381 Len=0 SLE=1 SRE=2
75 11.715210 2409:40f4:39:8dd5:2… 2603:1040:a03:9::1b6 TLSv1.2 125 Application Data
76 11.980580 2603:1040:a03:9::1b6 2409:40f4:39:8dd5:2… TLSv1.2 114 Application Data
77 12.031666 2409:40f4:39:8dd5:2… 2603:1040:a03:9::1b6 TCP 74 52493 → 443 [ACK] Seq=52 Ack=41 Win=253 Len=0
78 14.028688 fe80::f032:91ff:fee… ff02::1 ICMPv6 142 Router Advertisement from f2:32:91:e0:38:57
79 15.053331 2603:1063:2202:14::3 2409:40f4:39:8dd5:2… TLSv1.2 107 Application Data
80 15.104234 2409:40f4:39:8dd5:2… 2603:1063:2202:14::3 TCP 74 52938 → 443 [ACK] Seq=1 Ack=67 Win=255 Len=0
81 15.667754 2405:200:1607:1731:… 2409:40f4:39:8dd5:2… UDP 93 443 → 62403 Len=31
82 15.696194 2409:40f4:39:8dd5:2… 2405:200:1607:1731:… UDP 94 62403 → 443 Len=32
83 16.316984 192.168.19.15 13.107.42.12 TCP 66 53691 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM
84 16.369131 192.168.19.15 13.107.42.12 TCP 66 53692 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM
85 16.377174 13.107.42.12 192.168.19.15 TCP 66 443 → 53691 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1380 WS=256 SACK_PERM
86 16.377646 192.168.19.15 13.107.42.12 TCP 54 53691 → 443 [ACK] Seq=1 Ack=1 Win=65280 Len=0
87 16.379198 2405:200:1607:1731:… 2409:40f4:39:8dd5:2… UDP 86 443 → 62403 Len=24
Frame 81: 93 bytes on wire (744 bits), 93 bytes captured (744 bits) on interface \Device\NPF_{BA400E
Ethernet II, Src: f2:32:91:e0:38:57 (f2:32:91:e0:38:57), Dst: AzureWaveTec_f0:5a:83 (f8:54:f6:f0:5a:
Internet Protocol Version 6, Src: 2405:200:1607:1731::312c:5f5b, Dst: 2409:40f4:39:8dd5:2da0:11f8:99
User Datagram Protocol, Src Port: 443, Dst Port: 62403
Data (31 bytes)
Data: 593b77d7a92bdbd52bdd4fa904b0a29afa1ed073525a3d34daa1353fec4bfa
[Length: 31]
f8 54 f6 f0 5a 83 f2 32 91 e0 38 57 86 dd 60 02
91 92 00 27 11 39 24 05 02 00 16 07 17 31 00 00
00 00 31 2c 5f 5b 24 09 40 f4 00 39 8d d5 2d a0
11 f8 99 a4 f4 2d 01 bb f3 c3 00 27 9c 71 59 3b
77 d7 a9 2b db d5 2b dd 8f a9 04 b0 a2 9a fa 1e
d0 73 52 5a 3d 34 da a1 35 3f ec 4b fa


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp
No. Time Source Destination Protocol Length Info
22794 359.795142 43.174.32.117 192.168.19.15 TCP 66 80 → 53786 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1300 SACK_PERM WS=128
22795 359.798993 192.168.19.15 43.174.32.117 TCP 54 53786 → 80 [ACK] Seq=1 Ack=1 Win=65280 Len=0
22796 359.801206 192.168.19.15 43.174.32.117 HTTP 336 GET /msdownload/update/v3/static/trustedr/en/authrootstl.cab?1551799316470ff4c HTTP/1.1
22797 359.894836 20.249.168.26 192.168.19.15 TLSv1.2 105 Application Data
22798 359.894836 43.174.32.117 192.168.19.15 TCP 54 80 → 53786 [ACK] Seq=1 Ack=283 Win=523904 Len=0
22799 359.894836 43.174.32.117 192.168.19.15 HTTP 357 HTTP/1.1 304 Not Modified
22800 359.896855 43.174.32.117 192.168.19.15 TCP 54 80 → 53786 [FIN, ACK] Seq=304 Ack=283 Win=523904 Len=0
22801 359.897639 192.168.19.15 43.174.32.117 TCP 54 53786 → 80 [FIN, ACK] Seq=283 Ack=304 Win=65024 Len=0
22802 359.919636 192.168.19.15 43.174.32.117 TCP 54 53786 → 80 [ACK] Seq=284 Ack=305 Win=65024 Len=0
22803 359.943652 43.174.32.117 192.168.19.15 TCP 55 [TCP Spurious Retransmission] 80 → 53786 [PSH, ACK] Seq=302 Ack=283 Win=523904 Len=1
22804 359.943987 192.168.19.15 20.249.168.26 TCP 54 52414 → 443 [ACK] Seq=407 Ack=330 Win=251 Len=0
22805 359.945593 192.168.19.15 43.174.32.117 TCP 66 [TCP Dup ACK 22802#1] 53786 → 80 [ACK] Seq=284 Ack=305 Win=65024 Len=0 SLE=302 SRE=303
22806 359.997091 43.174.32.117 192.168.19.15 TCP 55 [TCP Spurious Retransmission] 80 → 53786 [PSH, ACK] Seq=300 Ack=283 Win=523904 Len=1
22807 359.997091 43.174.32.117 192.168.19.15 TCP 54 80 → 53786 [ACK] Seq=305 Ack=284 Win=523904 Len=0
22808 359.998732 192.168.19.15 43.174.32.117 TCP 66 [TCP Dup ACK 22802#2] 53786 → 80 [ACK] Seq=284 Ack=305 Win=65024 Len=0 SLE=300 SRE=301
23506 370.215072 2409:40f4:39:8dd5:2… 2603:1060:5:3::19 TLSv1.3 102 Application Data
23507 370.441657 2603:1060:5:3::19 2409:40f4:39:8dd5:2… TCP 74 443 → 53776 [ACK] Seq=4884 Ack=3018 Win=64128 Len=0
23508 372.315398 2409:40f4:39:8dd5:2… 2603:1060:5:3::19 TLSv1.3 105 Application Data
23509 372.490382 2603:1060:5:3::19 2409:40f4:39:8dd5:2… TCP 74 443 → 53776 [ACK] Seq=4884 Ack=3049 Win=64128 Len=0
23511 372.817793 2603:1060:5:3::19 2409:40f4:39:8dd5:2… TLSv1.3 101 Application Data
Frame 22803: 55 bytes on wire (440 bits), 55 bytes captured (440 bits) on interface \Device\NPF_{B
Ethernet II, Src: f2:32:91:a0:38:57 (f2:32:91:a0:38:57), Dst: AzureWaveTec_f0:5a:83 (f8:54:f6:f0:5
Internet Protocol Version 4, Src: 43.174.32.117, Dst: 192.168.19.15
Transmission Control Protocol, Src Port: 80, Dst Port: 53786, Seq: 302, Ack: 283, Len: 1
Source Port: 80
Destination Port: 53786
[Stream index: 91]
[Stream Packet Number: 10]
[Conversation completeness: Complete, WITH_DATA (31)]
[TCP Segment Len: 1]
Sequence Number: 302 (relative sequence number)
Sequence Number (raw): 827004389
[Next Sequence Number: 303 (relative sequence number)]
Acknowledgment Number: 283 (relative ack number)
Acknowledgment number (raw): 4063155773
0101 .... = Header Length: 20 bytes (5)
Flags: 0x018 (PSH, ACK)
Window: 4093
[Calculated window size: 523904]
[Window size scaling factor: 128]
0000 f8 54 f6 f0 5a 83 f2 32 91 a0 38 57 08 00 45 00
0010 00 29 00 00 40 00 30 06 2a f5 2b ae 20 75 c0 a8
0020 13 0f 00 50 d2 1a 31 4c 4e 65 f2 10 51 bd 50 18
0030 0f fd dd 09 00 00 0d
Transmission Control Protocol Protocol
Packets: 27358 · Displayed: 3241 (11.8%) · Dropped: 0 (0.0%)
Profile: Default
AFG - ENG
Live
Search
ENG
IN
17:42:59
26-02-2025


Capturing from Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
arp
No. Time Source Destination Protocol Length Info
1 0.000000 2a01:2680:f34f:121:.. 2409:40f4:39:8dd5:2.. TCP 74 80 → 52825 [ACK] Seq=1 Ack=1 Win=821 Len=0
2 0.000000 2a01:2680:f34f:121:.. 2409:40f4:39:8dd5:2.. TCP 74 80 → 52825 [ACK] Seq=1 Ack=53 Win=821 Len=0
3 0.284986 f2:32:91:e0:38:57 AzureWaveTec_f0:5a:.. ARP 42 Who has 192.168.19.15? Tell 192.168.19.254
4 0.284986 2a01:2680:f34f:121:.. 2409:40f4:39:8dd5:2.. TCP 281 80 → 52825 [PSH, ACK] Seq=1 Ack=53 Win=821 Len=207
5 0.285019 AzureWaveTec_f0:5a:.. f2:32:91:e0:38:57 ARP 42 192.168.19.15 is at f8:54:f6:f0:5a:83
6 0.347505 2409:40f4:39:8dd5:2.. 2a01:2680:f34f:121:.. TCP 74 52825 → 80 [ACK] Seq=53 Ack=208 Win=509 Len=0
7 0.328328 2409:40f4:39:8dd5:2.. 2603:1040:5:3::19 TLSv1.2 102 Application Data
8 0.423166 2409:40f4:39:8dd5:2.. 2409:40f4:39:8dd5:.. ICMPv6 86 Neighbor Solicitation for 2409:40f4:39:8dd5::87 from f8:54:f6:f0:5a:83
9 0.839111 2409:40f4:39:8dd5:2.. 2603:1040:5:3::19 TCP 102 [TCP Retransmission] 52849 → 443 [PSH, ACK] Seq=1 Ack=1 Win=253 Len=28
10 1.024374 2603:1040:5:3::19 2409:40f4:39:8dd5:2.. TCP 74 443 → 52665 [ACK] Seq=1 Ack=29 Win=501 Len=0
11 1.430044 2409:40f4:39:8dd5:2.. 2409:40f4:39:8dd5:.. ICMPv6 86 Neighbor Solicitation for 2409:40f4:39:8dd5::87 from f8:54:f6:f0:5a:83
12 1.435795 2409:40f4:39:8dd5:.. 2409:40f4:39:8dd5:2.. ICMPv6 78 Neighbor Advertisement 2409:40f4:39:8dd5::87 (rtr, sol)
13 2.764768 fe80::f032:91ff:fea.. 2409:40f4:39:8dd5:2.. ICMPv6 86 Neighbor Solicitation for 2409:40f4:39:8dd5:2da0:11f8:99a4:f42d from f2:32:91:e0:38:57
14 2.764907 2409:40f4:39:8dd5:2.. fe80::f032:91ff:fea.. ICMPv6 86 Neighbor Advertisement 2409:40f4:39:8dd5:2da0:11f8:99a4:f42d (sol, ovr) is at f8:54:f6:f0:5a:83
15 3.891812 2603:1040:5:3::19 2409:40f4:39:8dd5:2.. TLSv1.2 105 Application Data
16 3.934191 2409:40f4:39:8dd5:2.. 2603:1040:5:3::19 TCP 74 52849 → 443 [ACK] Seq=29 Ack=28 Win=253 Len=0
17 5.165188 192.168.19.15 20.189.173.26 TLSv1.2 1185 Application Data
18 5.167629 192.168.19.15 20.189.173.26 TCP 1354 53667 → 443 [ACK] Seq=1128 Ack=1 Win=1021 Len=1300 [TCP PDU reassembled in 21]
19 5.167629 192.168.19.15 20.189.173.26 TCP 1354 53667 → 443 [ACK] Seq=2428 Ack=1 Win=1021 Len=1300 [TCP PDU reassembled in 21]
20 5.167629 192.168.19.15 20.189.173.26 TCP 1354 53667 → 443 [ACK] Seq=3728 Ack=1 Win=1021 Len=1300 [TCP PDU reassembled in 21]
Frame 5: 42 bytes on wire (336 bits), 42 bytes captured (336 bits) on interface \Device\NPF_{B6480E66-5F
Ethernet II, Src: AzureWaveTec_f0:5a:83 (f8:54:f6:f0:5a:83), Dst: f2:32:91:e0:38:57 (f2:32:91:e0:38:57)
Address Resolution Protocol (reply)
Hardware type: Ethernet (1)
Protocol type: IPv4 (0x0800)
Hardware size: 6
Protocol size: 4
Opcode: reply (2)
Sender MAC address: AzureWaveTec_f0:5a:83 (f8:54:f6:f0:5a:83)
Sender IP address: 192.168.19.15
Target MAC address: f2:32:91:e0:38:57 (f2:32:91:e0:38:57)
Target IP address: 192.168.19.254
f2 32 91 e0 38 57 f8 54 f6 f0 5a 83 08 06 00 01
00 00 06 04 00 02 f8 54 f6 f0 5a 83 c0 a8 13 0f
f2 32 91 e0 38 57 c0 a8 13 fe
Address Resolution Protocol: Protocol
Packets: 1089
Profile: Default
Search
ENG
IN
17:24:31
26-02-2025

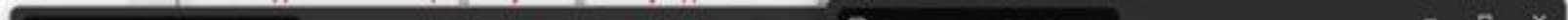
C:\Users\pusal\OneDrive\Doc
DNS Server listening on port 8080...
Received request for domain: google.com
Resolved IP: 142.250.183.238
C:\Users\pusal\OneDrive\Doc
Enter domain name: google.com
Resolved IP: 142.250.183.238
Process exited after 16.29 seconds with return value 0
Press any key to continue . . .

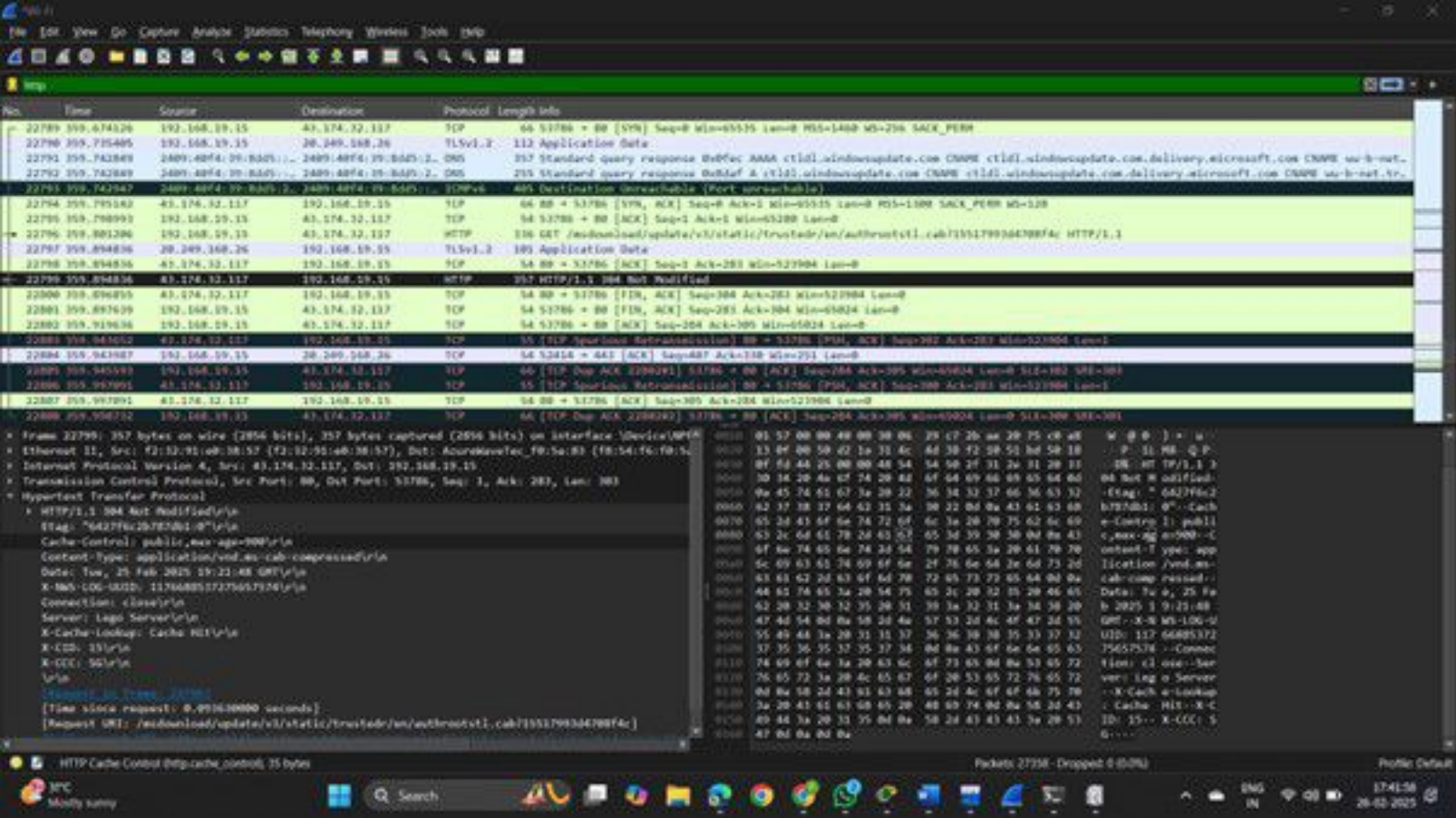
C:\Users\pusal\OneDrive\Doc
Usage: C:\Users\pusal\OneDrive\Documents\28.exe <hostname>

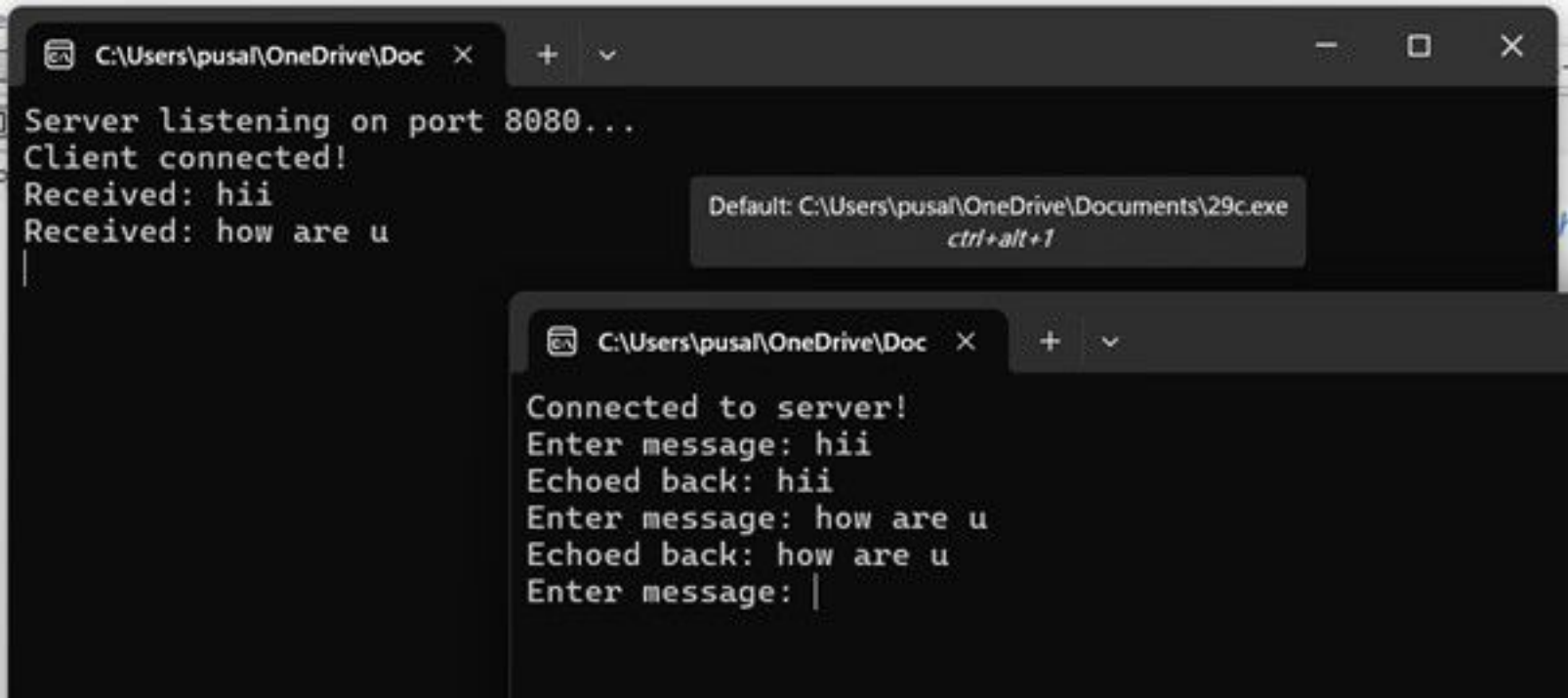
Process exited after 0.2221 seconds with return value 1
Press any key to continue . . .

C:\Users\pusal\OneDrive\Doc
Enter target IP address: 192.168.1.1
MAC Address of 192.168.1.1: 24:D5:E4:6D:C0:D7

Process exited after 4.804 seconds with return value 0
Press any key to continue . . .


C:\Users\pusaf\OneDrive\Doc
Server is listening on port 8080...
Client connected...
Date and time sent to client.
C:\Users\pusaf\OneDrive\Doc
Server Response: Current Date and Time: 2025-02-28 09:17:19
Process exited after 0.2292 seconds with return value 0
Press any key to continue . . .


File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time Source Destination Protocol Length Info
22789 359.674326 192.168.19.15 43.174.32.117 TCP 66 53786 → 80 [SYN] Seq=0 Win=65535 Len=0 MSS=1460 WS=256 SACK_PERM
22790 359.735405 192.168.19.15 20.249.168.26 TLSv1.2 113 Application Data
22791 359.743849 2409:40f4:39:8dd5:... 2409:40f4:39:8dd5:2... DNS 357 Standard query response 0x8fec AAAA ctldl.windowsupdate.com CNAME ctldl.windowsupdate.com.delivery.microsoft.com CNAME wu-b-net...
22792 359.743849 2409:40f4:39:8dd5:... 2409:40f4:39:8dd5:2... DNS 215 Standard query response 0x8daf A ctldl.windowsupdate.com CNAME ctldl.windowsupdate.com.delivery.microsoft.com CNAME wu-b-net.tr...
22793 359.743947 2409:40f4:39:8dd5:2... 2409:40f4:39:8dd5:... ICMPv6 405 Destination Unreachable (Port unreachable)
22794 359.795162 43.174.32.117 192.168.19.15 TCP 66 80 → 53786 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1380 SACK_PERM WS=128
22795 359.798993 192.168.19.15 43.174.32.117 TCP 54 53786 → 80 [ACK] Seq=1 Ack=1 Win=65280 Len=0
22796 359.801206 192.168.19.15 43.174.32.117 HTTP 336 GET /msdownload/update/v3/static/trustedr/en/authrootstl.cab?1551799364708f4c HTTP/1.1
22797 359.894836 20.249.168.26 192.168.19.15 TLSv1.2 105 Application Data
22798 359.894836 43.174.32.117 192.168.19.15 TCP 54 80 → 53786 [ACK] Seq=1 Ack=283 Win=523904 Len=0
22799 359.894836 43.174.32.117 192.168.19.15 HTTP 357 HTTP/1.1 304 Not Modified
22800 359.896855 43.174.32.117 192.168.19.15 TCP 54 80 → 53786 [FIN, ACK] Seq=304 Ack=283 Win=523904 Len=0
22801 359.897639 192.168.19.15 43.174.32.117 TCP 54 53786 → 80 [FIN, ACK] Seq=283 Ack=304 Win=65024 Len=0
22802 359.919636 192.168.19.15 43.174.32.117 TCP 54 53786 → 80 [ACK] Seq=284 Ack=305 Win=65024 Len=0
22803 359.944052 43.174.32.117 192.168.19.15 TCP 55 [TCP Spurious Retransmission] 80 → 53786 [PSH, ACK] Seq=302 Ack=283 Win=523904 Len=1
22804 359.943987 192.168.19.15 20.249.168.26 TCP 54 52414 → 443 [ACK] Seq=687 Ack=338 Win=251 Len=0
22805 359.945593 192.168.19.15 43.174.32.117 TCP 66 [TCP Dup ACK 22802#1] 53786 → 80 [ACK] Seq=284 Ack=305 Win=65024 Len=0 SLE=302 SRE=303
22806 359.997095 43.174.32.117 192.168.19.15 TCP 55 [TCP Spurious Retransmission] 80 → 53786 [PSH, ACK] Seq=300 Ack=283 Win=523904 Len=1
22807 359.997095 43.174.32.117 192.168.19.15 TCP 54 80 → 53786 [ACK] Seq=305 Ack=284 Win=523904 Len=0
22808 359.998732 192.168.19.15 43.174.32.117 TCP 66 [TCP Dup ACK 22802#2] 53786 → 80 [ACK] Seq=284 Ack=305 Win=65024 Len=0 SLE=300 SRE=301
Frame 22799: 357 bytes on wire (2856 bits), 357 bytes captured (2856 bits) on interface \Device\NPF_
Ethernet II, Src: f2:32:91:e0:38:57 (f2:32:91:e0:38:57), Dst: AzureWaveTec_f0:5a:03 (f8:54:f6:f0:5a:
Internet Protocol Version 4, Src: 43.174.32.117, Dst: 192.168.19.15
Transmission Control Protocol, Src Port: 80, Dst Port: 53786, Seq: 1, Ack: 283, Len: 303
Hypertext Transfer Protocol
HTTP/1.1 304 Not Modified\r\n
ETag: "6427f6c2b787d01:0"\r\n
Cache-Control: public,max-age=900\r\n
Content-Type: application/vnd.ms-cab-compressed\r\n
Date: Tue, 25 Feb 2025 19:21:48 GMT\r\n
X-MS-LOG-UUID: 117648057237565757d\r\n
Connection: close\r\n
Server: Lego Server\r\n
X-Cache-Lookup: Cache Hit\r\n
X-CID: 15\r\n
X-CCC: SG\r\n
\r\n
[Request in frame: 22796]
[Time since request: 0.093630000 seconds]
[Request URI: /msdownload/update/v3/static/trustedr/en/authrootstl.cab?1551799364708f4c]
HTTP Cache Control (http.cache_control), 35 bytes
Packets: 27358 · Dropped: 0 (0.0%)
Profile: Default
Search
ENG IN
17:41:58 28-02-2025


C:\Users\pusal\OneDrive\Doc
Server listening on port 8080...
Client connected!
Received: hii
Received: how are u
Default: C:\Users\pusal\OneDrive\Documents\29c.exe
ctrl+alt+1
C:\Users\pusal\OneDrive\Doc
Connected to server!
Enter message: hii
Echoed back: hii
Enter message: how are u
Echoed back: how are u
Enter message: