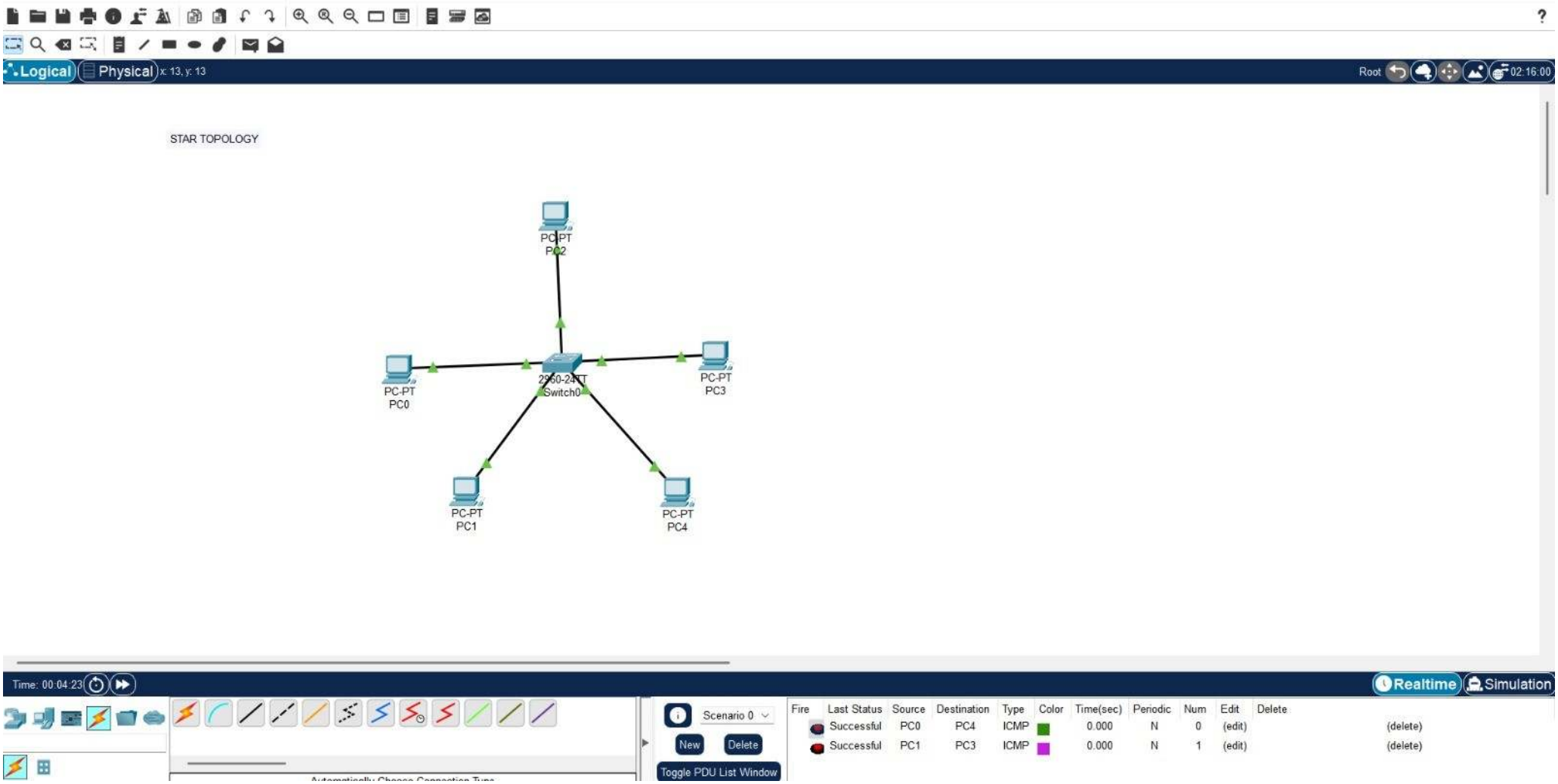
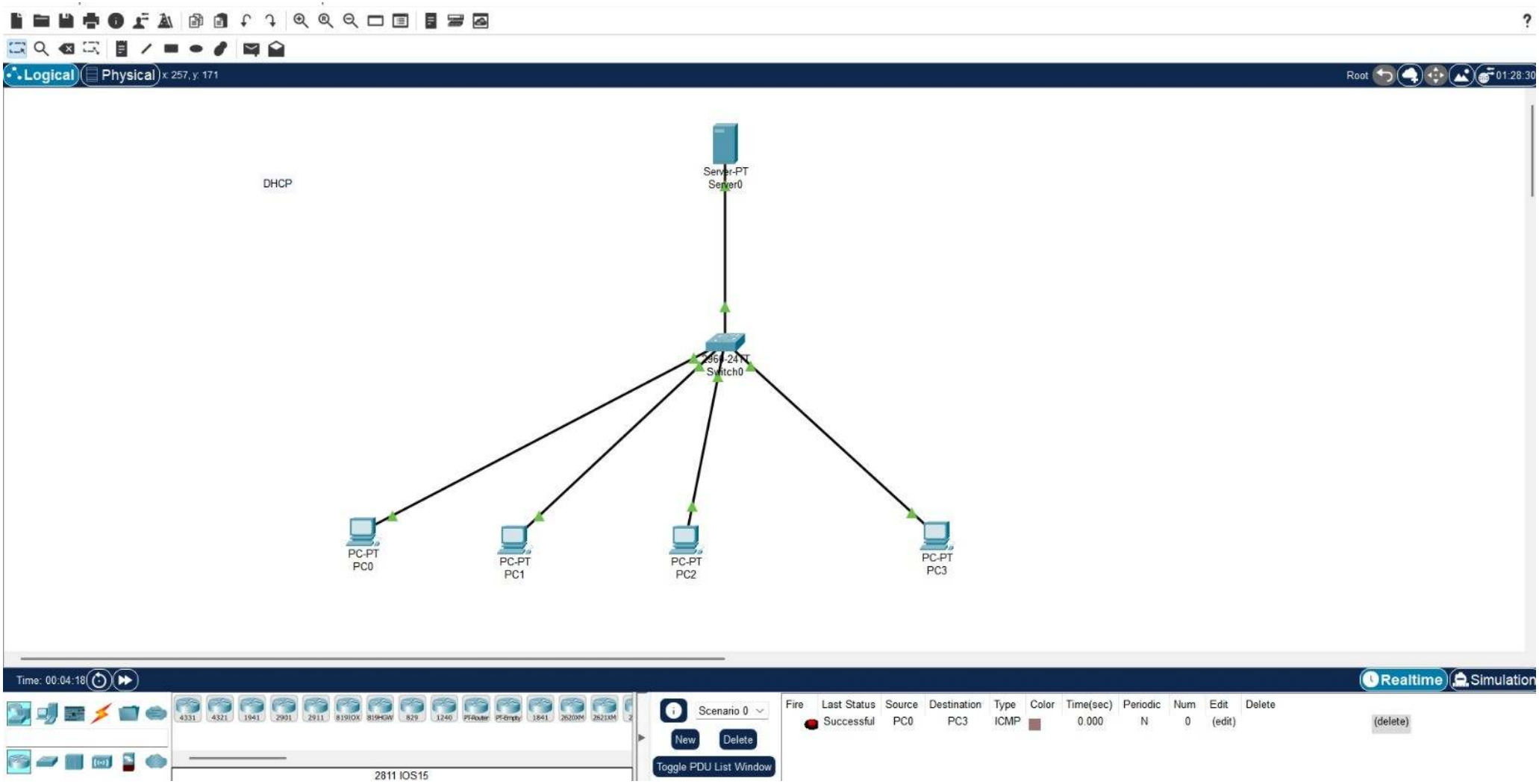
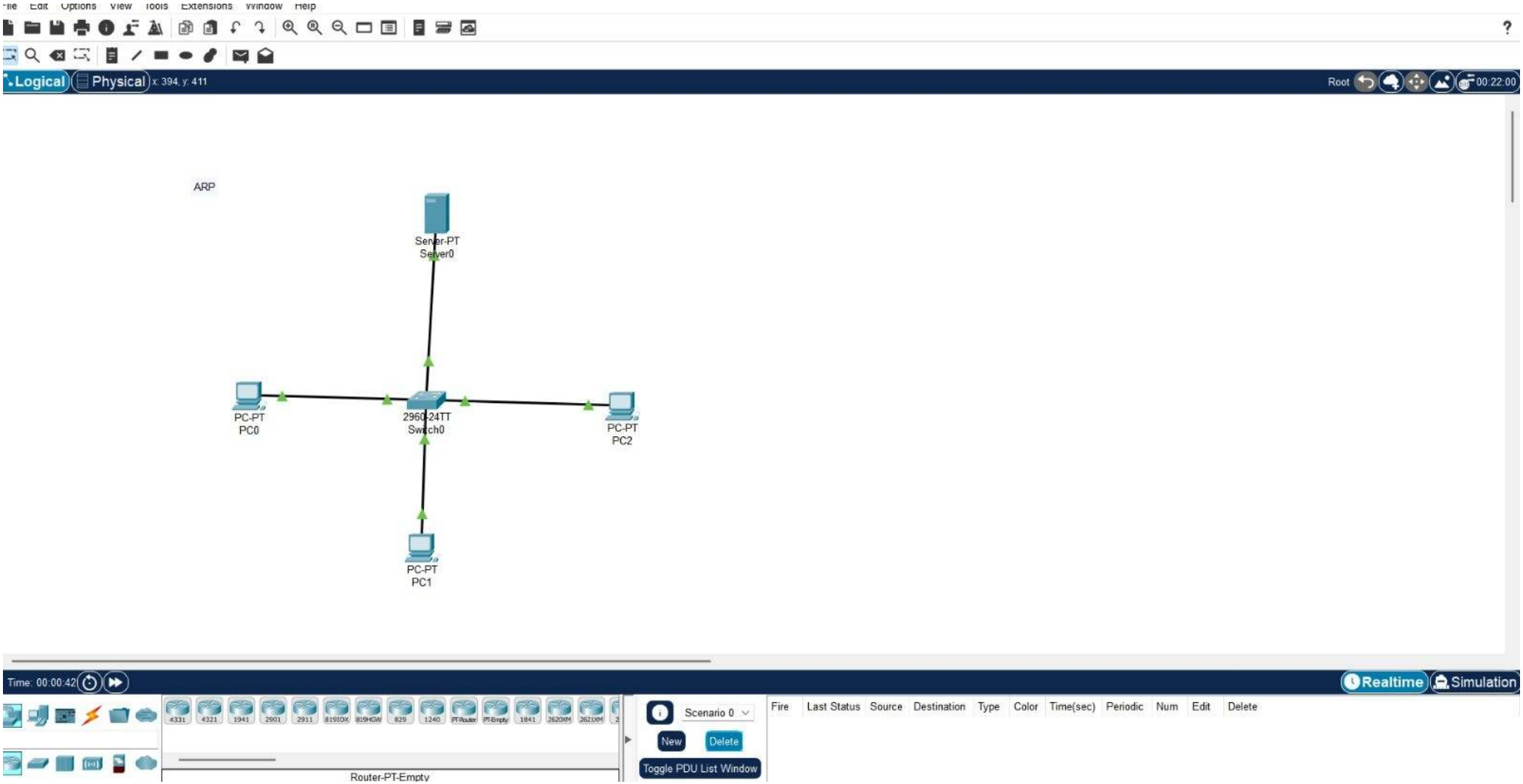
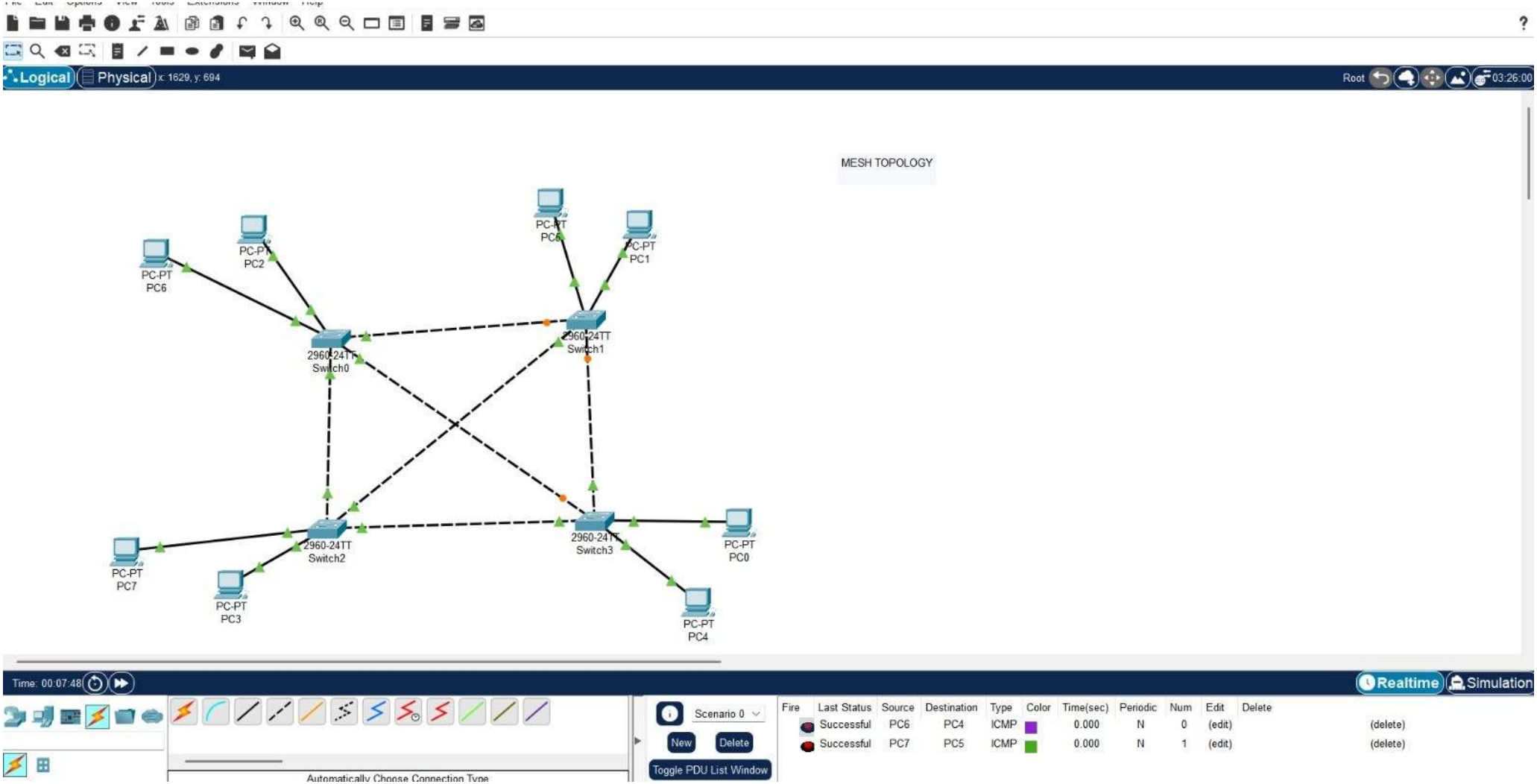
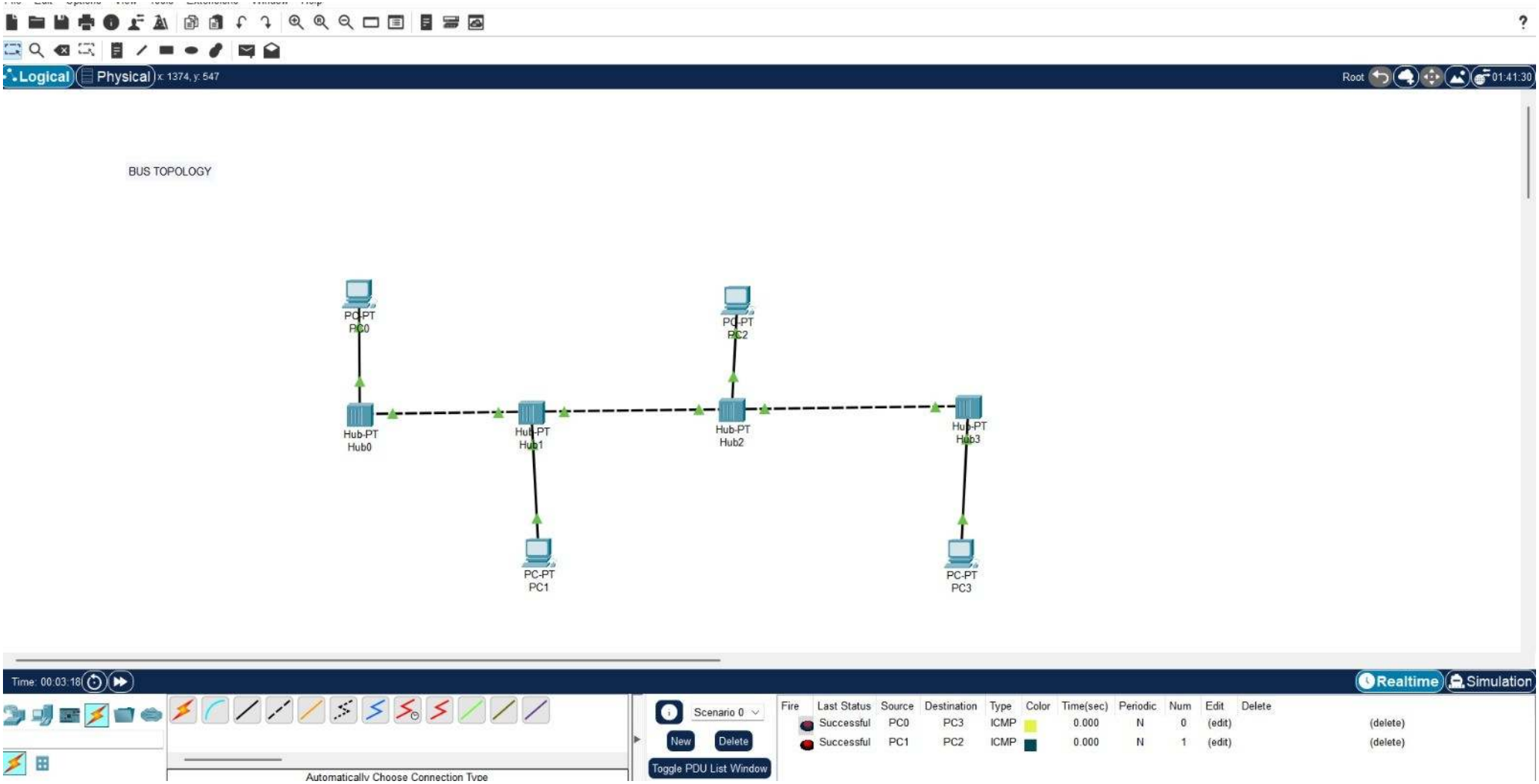
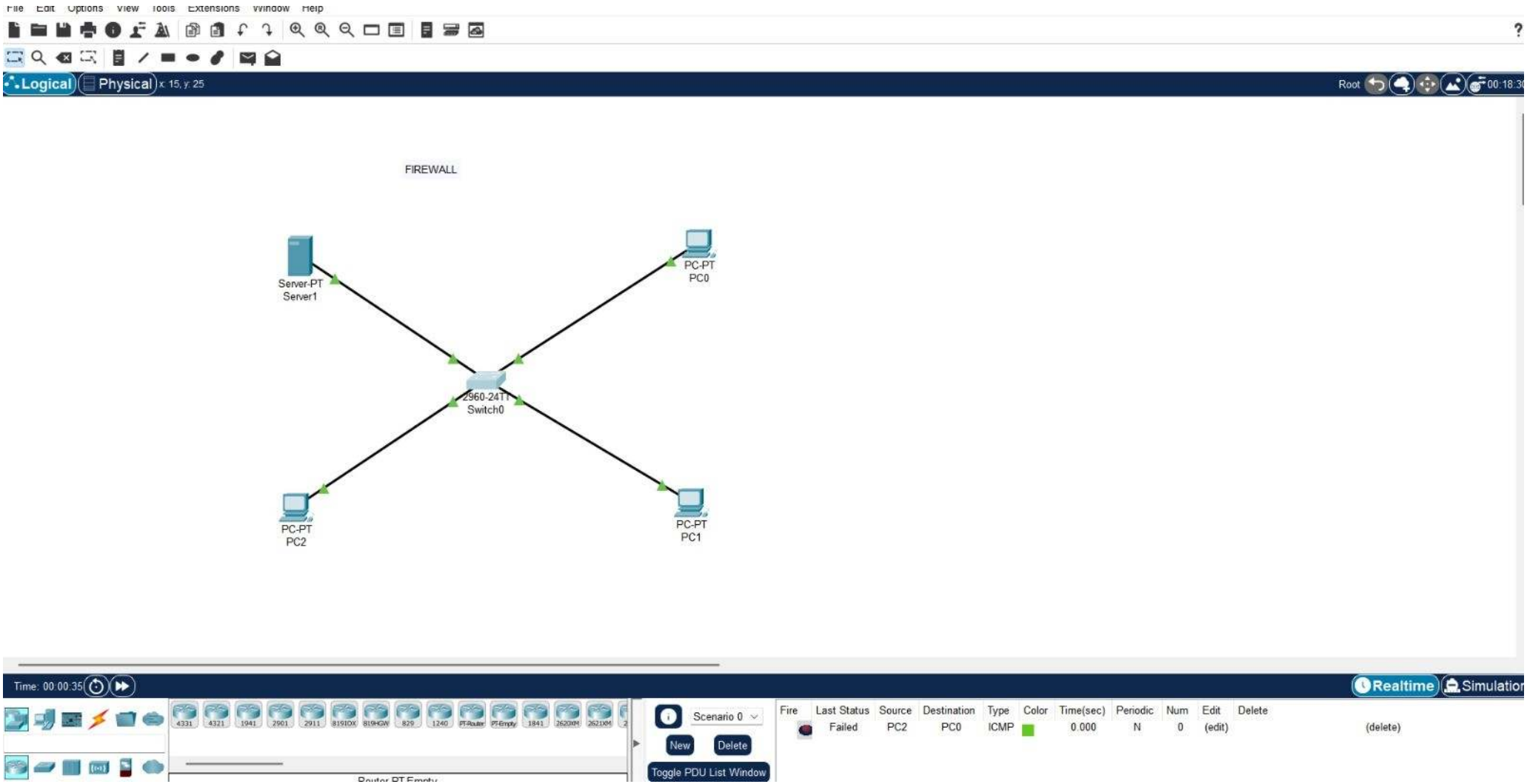

Logical
Physical
x: 13, y: 13
Root
02:16:00
STAR TOPOLOGY
PC-PT
PC2
PC-PT
PC0
2960-24TT
Switch0
PC-PT
PC3
PC-PT
PC1
PC-PT
PC4
Time: 00:04:23
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC0
PC4
ICMP
0.000
N
0
(edit)
(delete)
Successful
PC1
PC3
ICMP
0.000
N
1
(edit)
(delete)

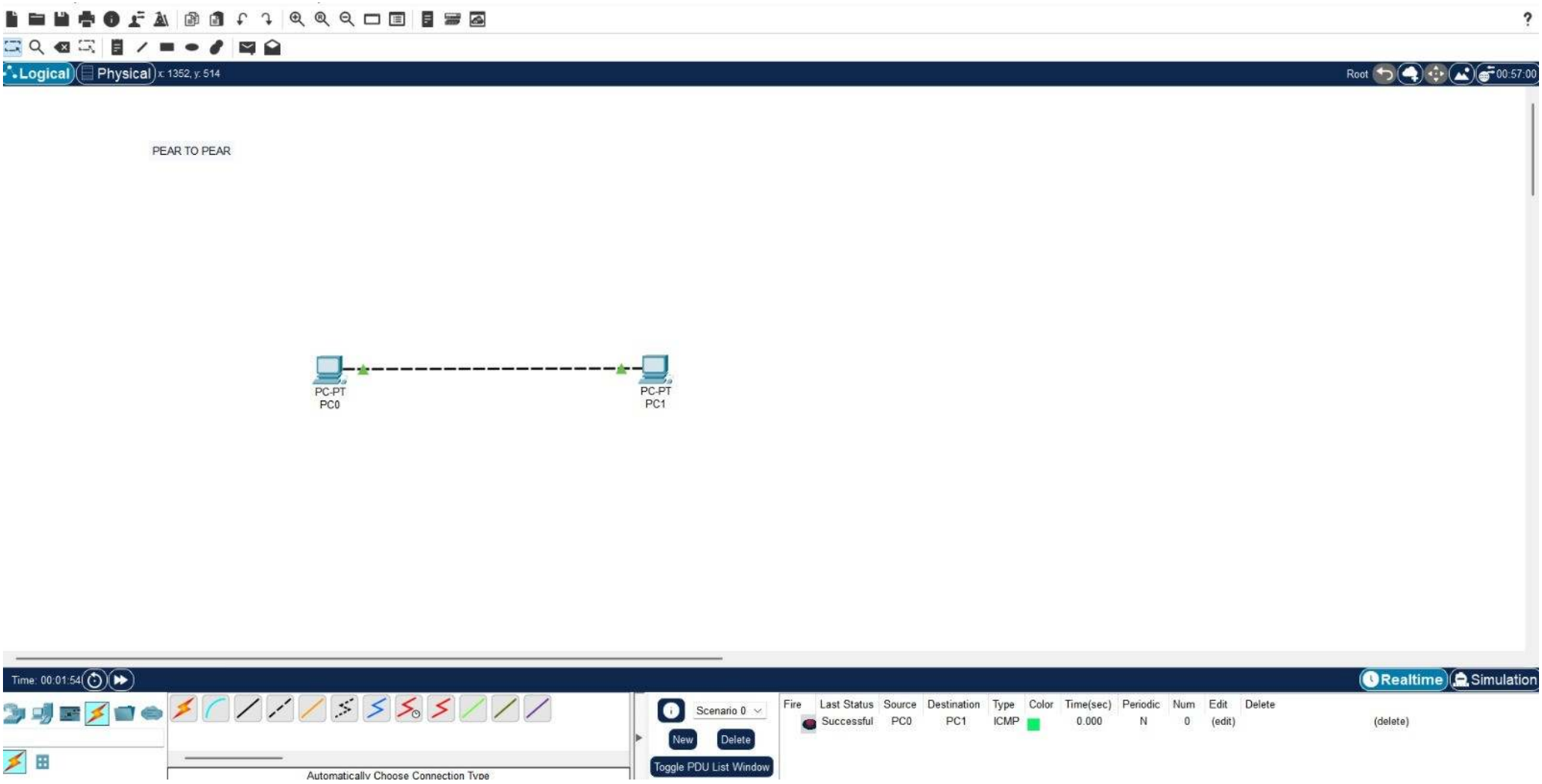

Logical
Physical
x: 257, y: 171
Root
01:28:30
DHCP
Server-PT
Server0
2960-24TT
Switch0
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
Time: 00:04:18
Realtime
Simulation
2811 IOS15
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC0
PC3
ICMP
0.000
N
0
(edit)
(delete)

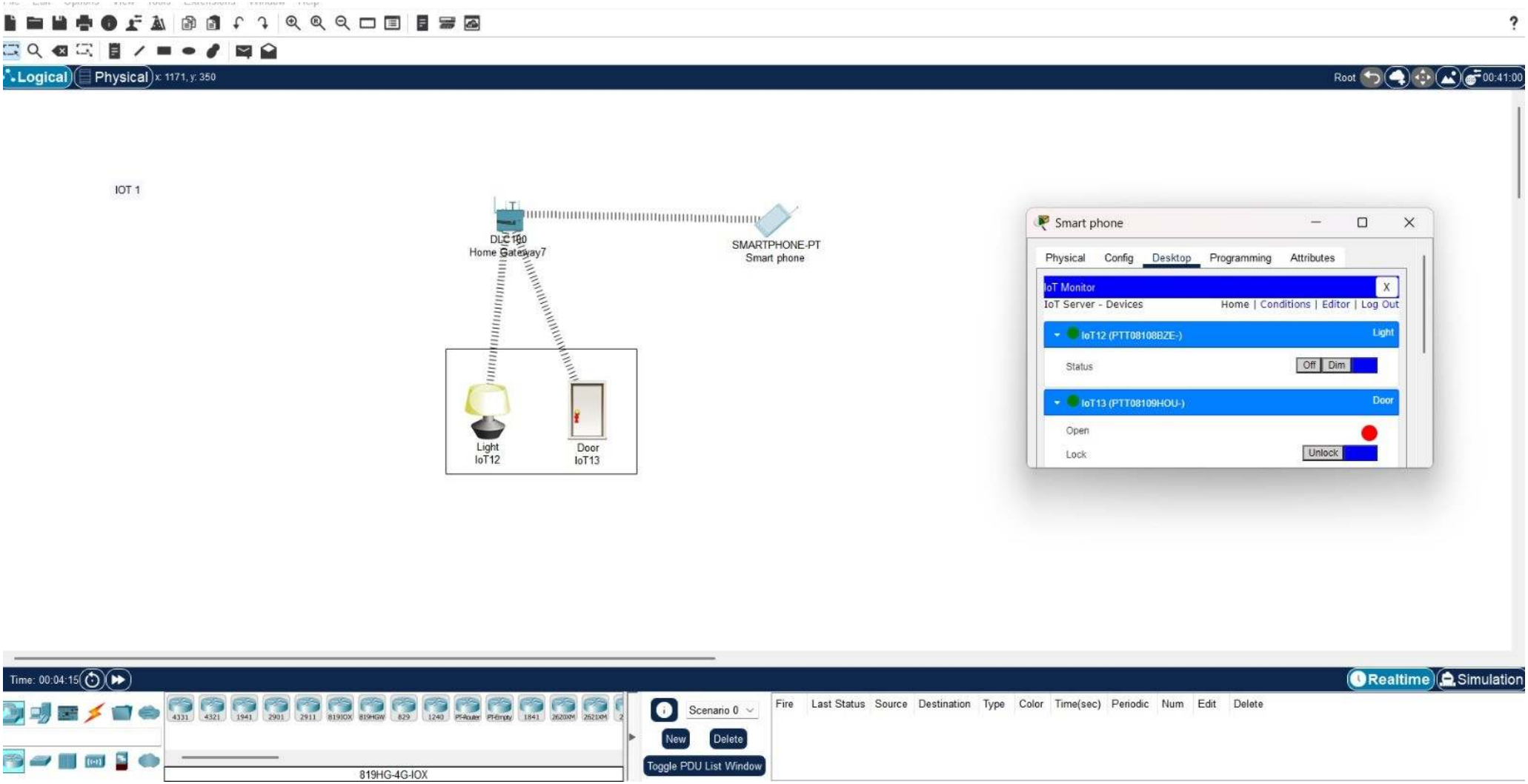

File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 394, y: 411
Root
00:22:00
ARP
Server-PT
Server0
PC-PT
PC0
2960-24TT
Switch0
PC-PT
PC2
PC-PT
PC1
Time: 00:00:42
Realtime
Simulation
Router-PT-Empty
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete

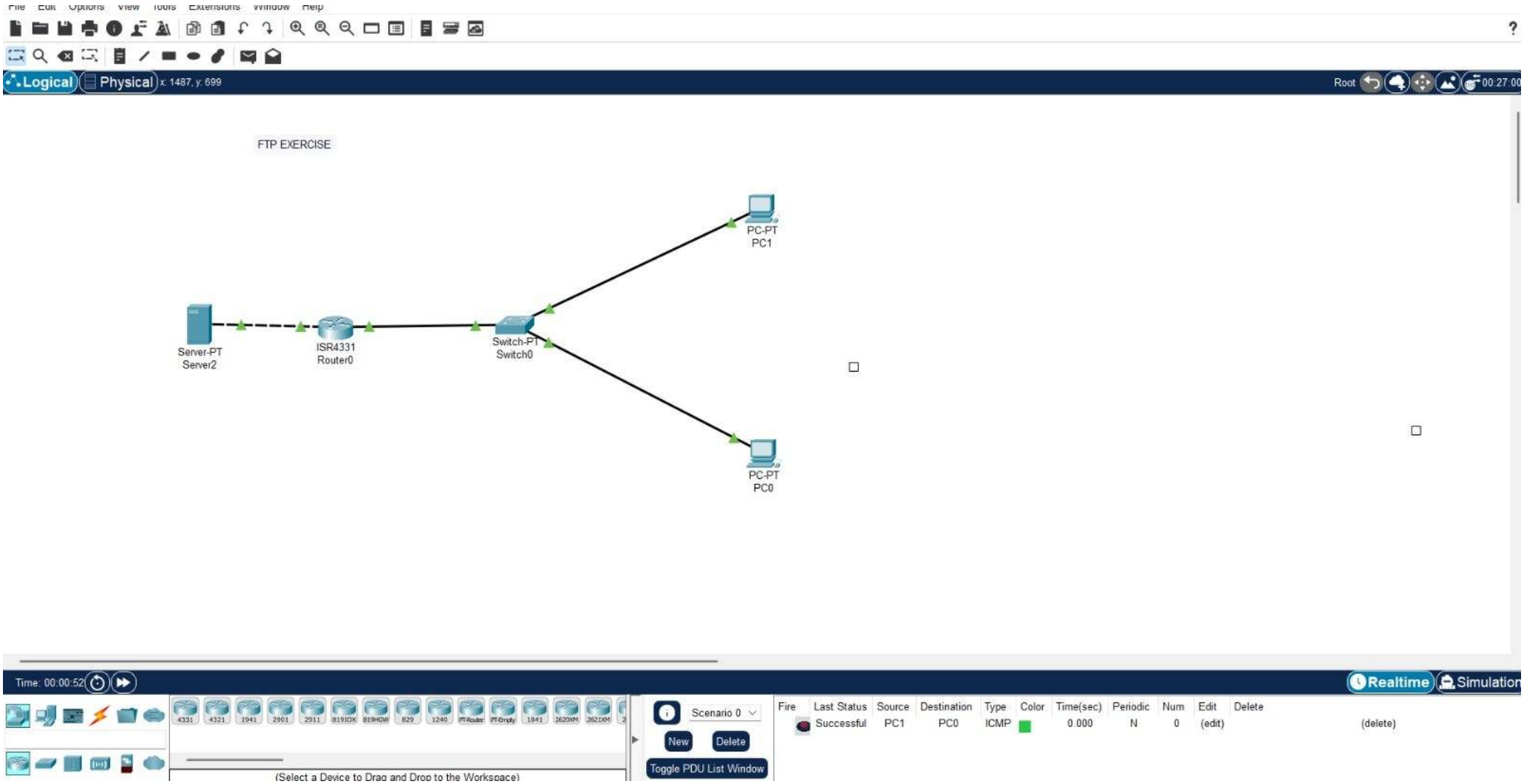

Logical
Physical
x: 1629, y: 694
Root
03:26:00
MESH TOPOLOGY
PC-PT PC6
PC-PT PC2
PC-PT PC5
PC-PT PC1
2960-24TT Switch0
2960-24TT Switch1
PC-PT PC7
PC-PT PC3
2960-24TT Switch2
2960-24TT Switch3
PC-PT PC0
PC-PT PC4
Time: 00:07:48
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Automatically Choose Connection Type
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful PC6 PC4 ICMP 0.000 N 0 (edit) (delete)
Successful PC7 PC5 ICMP 0.000 N 1 (edit) (delete)

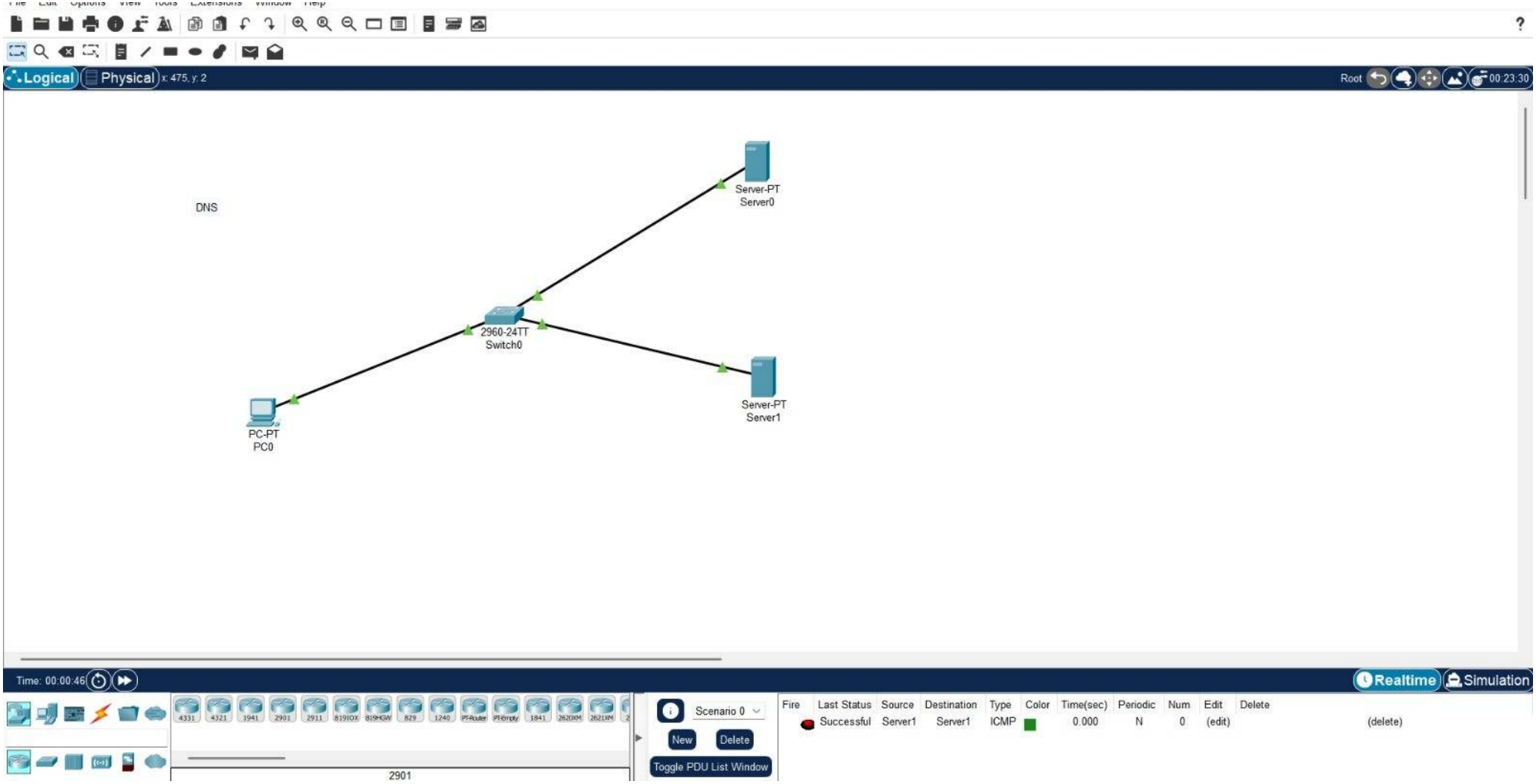

Logical
Physical
x: 1374, y: 547
Root
01:41:30
BUS TOPOLOGY
PC-PT PC0
PC-PT PC2
Hub-PT Hub0
Hub-PT Hub1
Hub-PT Hub2
Hub-PT Hub3
PC-PT PC1
PC-PT PC3
Time: 00:03:18
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Automatically Choose Connection Type
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful PC0 PC3 ICMP 0.000 N 0 (edit) (delete)
Successful PC1 PC2 ICMP 0.000 N 1 (edit) (delete)

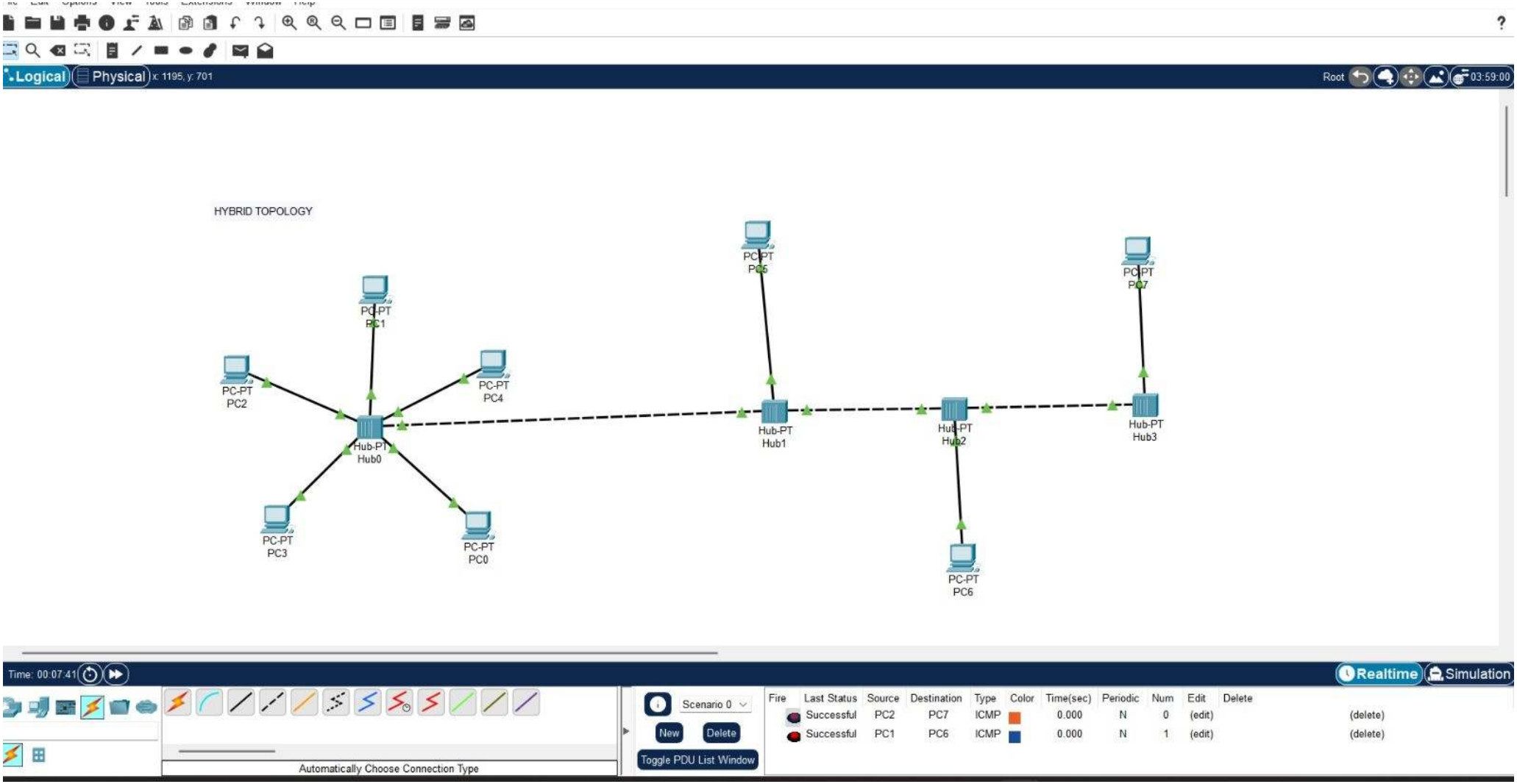

File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 15, y: 25
Root
FIREWALL
Server-PT
Server1
PC-PT
PC0
2960-24TT
Switch0
PC-PT
PC2
PC-PT
PC1
Time: 00:00:35
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Failed
PC2
PC0
ICMP
0.000
N
0
(edit)
(delete)

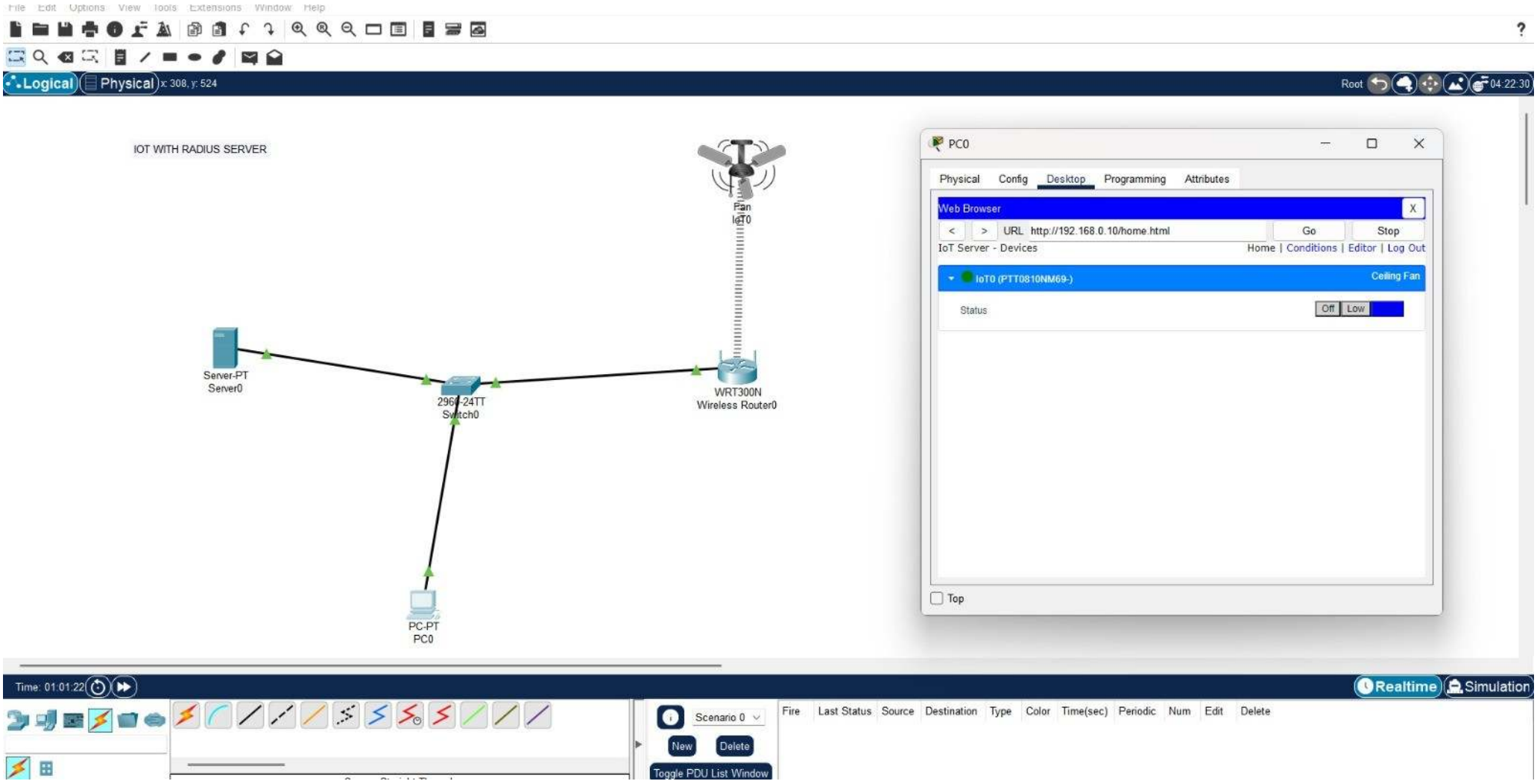

Logical
Physical
x: 1352, y: 514
Root
00:57:00
PEAR TO PEAR
PC-PT
PC0
PC-PT
PC1
Time: 00:01:54
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Automatically Choose Connection Type
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC0
PC1
ICMP
0.000
N
0
(edit)
(delete)

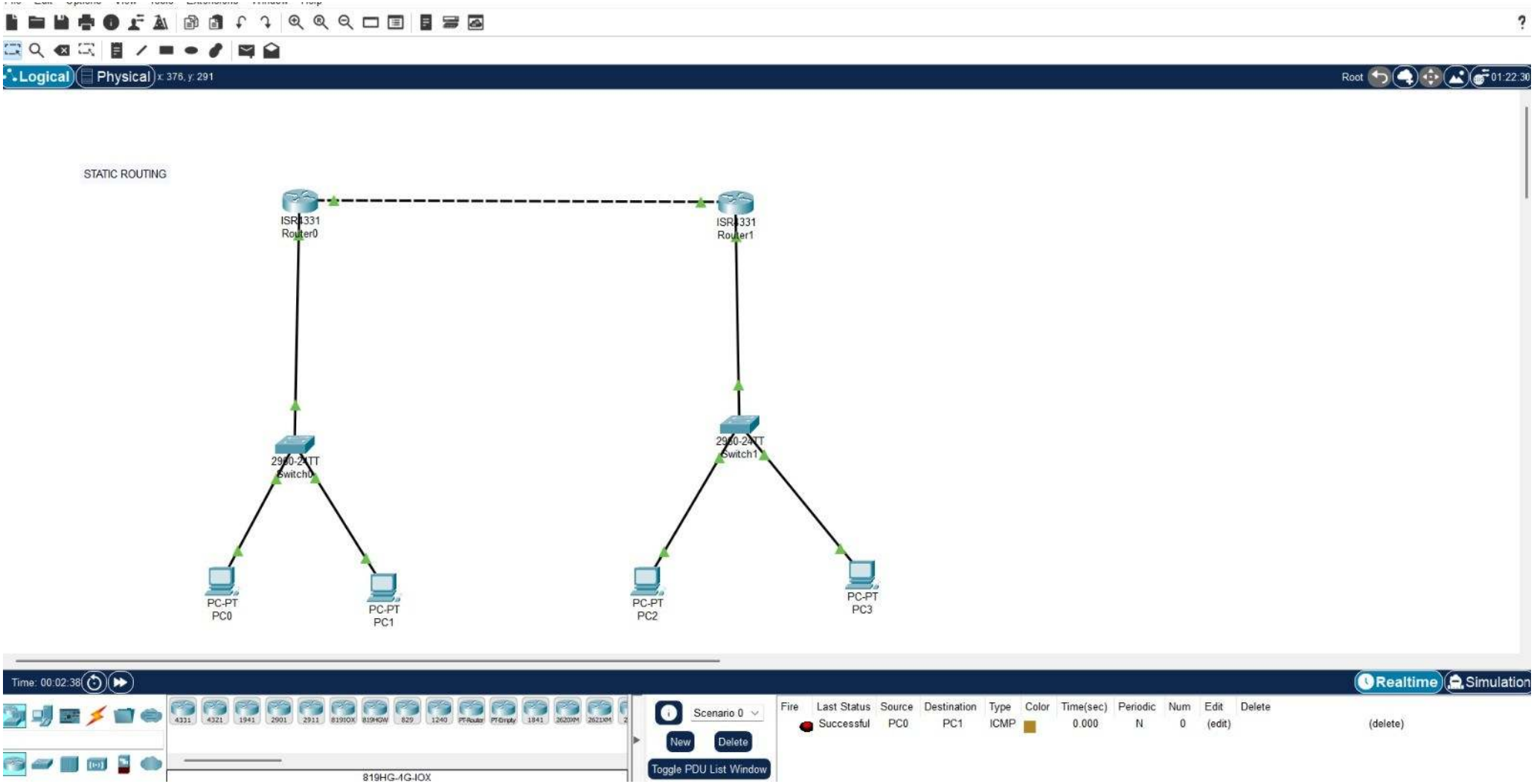

Logical
Physical
x: 1171, y: 350
Root
00:41:00
IOT 1
DLC 100
Home Gateway7
SMARTPHONE-PT
Smart phone
Light
IoT12
Door
IoT13
Smart phone
Physical
Config
Desktop
Programming
Attributes
IoT Monitor
IoT Server - Devices
Home | Conditions | Editor | Log Out
IoT12 (PTT08108BZE-)
Light
Status
Off
Dim
IoT13 (PTT08109HOU-)
Door
Open
Lock
Unlock
Time: 00:04:15
Realtime
Simulation
819HG-4G-IOX
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete

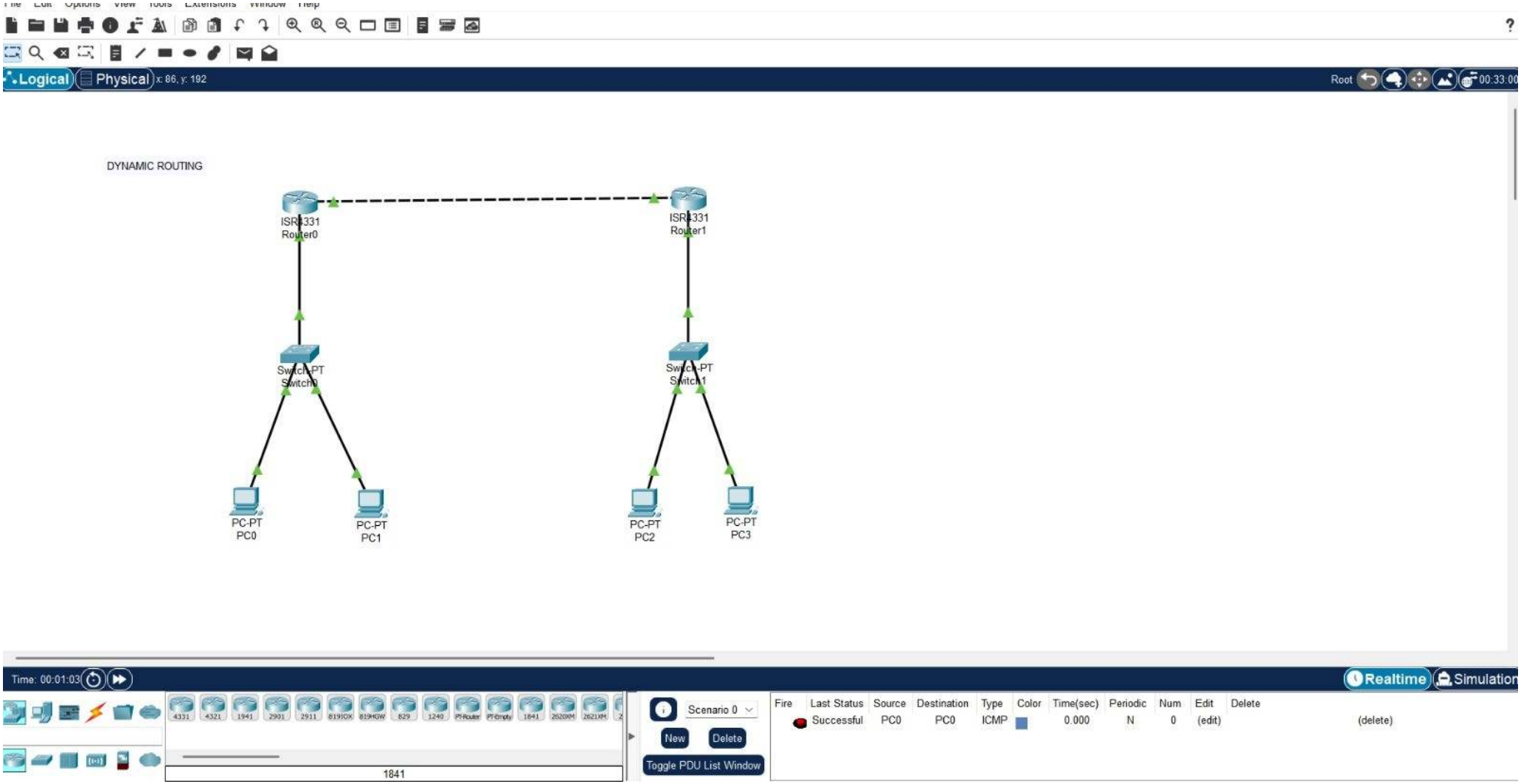

File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 1487, y: 699
Root
00:27:00
FTP EXERCISE
PC-PT
PC1
Server-PT
Server2
ISR4331
Router0
Switch-PT
Switch0
PC-PT
PC0
Time: 00:00:52
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC1
PC0
ICMP
0.000
N
0
(edit)
(delete)
(Select a Device to Drag and Drop to the Workspace)

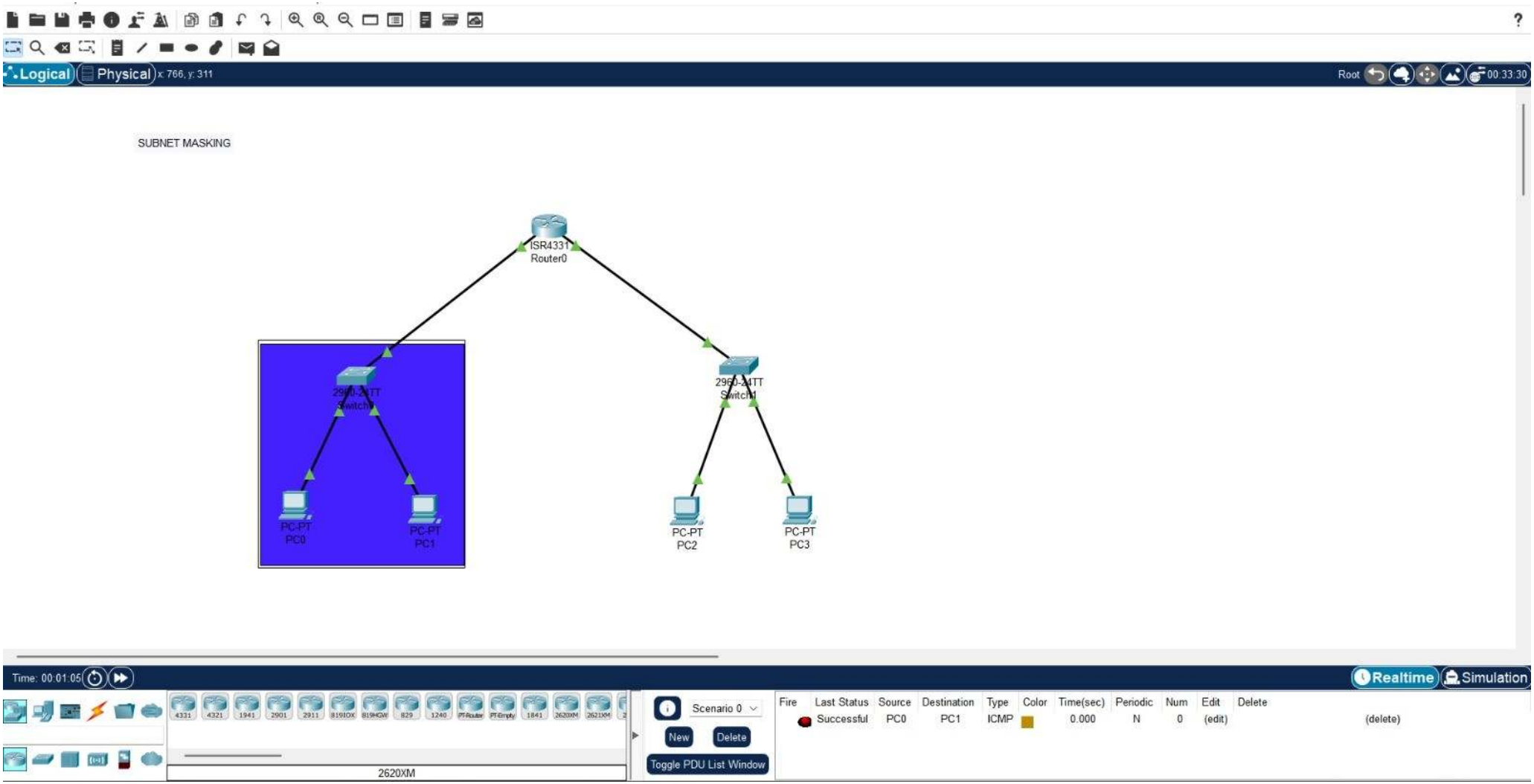

Logical
Physical
x: 475, y: 2
Root
00:23:30
DNS
Server-PT
Server0
2960-24TT
Switch0
Server-PT
Server1
PC-PT
PC0
Time: 00:00:46
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
2901
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
Server1
Server1
ICMP
0.000
N
0
(edit)
(delete)

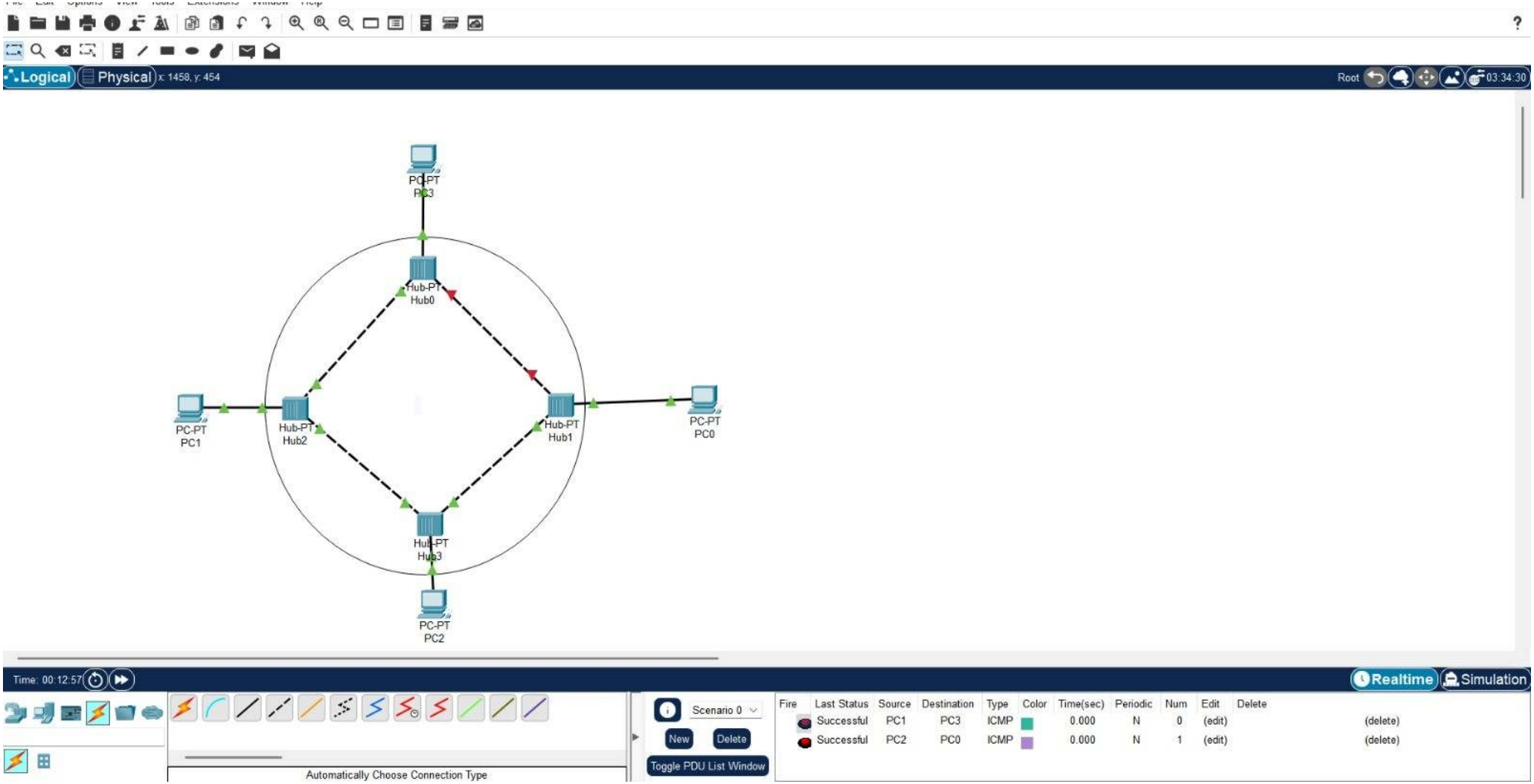

Logical
Physical
x: 1195, y: 701
Root
03:59:00
HYBRID TOPOLOGY
PC-PT PC1
PC-PT PC2
PC-PT PC4
PC-PT PC5
PC-PT PC7
Hub-PT Hub0
Hub-PT Hub1
Hub-PT Hub2
Hub-PT Hub3
PC-PT PC3
PC-PT PC0
PC-PT PC6
Time: 00:07:41
Realtime
Simulation
Automatically Choose Connection Type
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful PC2 PC7 ICMP 0.000 N 0 (edit) (delete)
Successful PC1 PC6 ICMP 0.000 N 1 (edit) (delete)

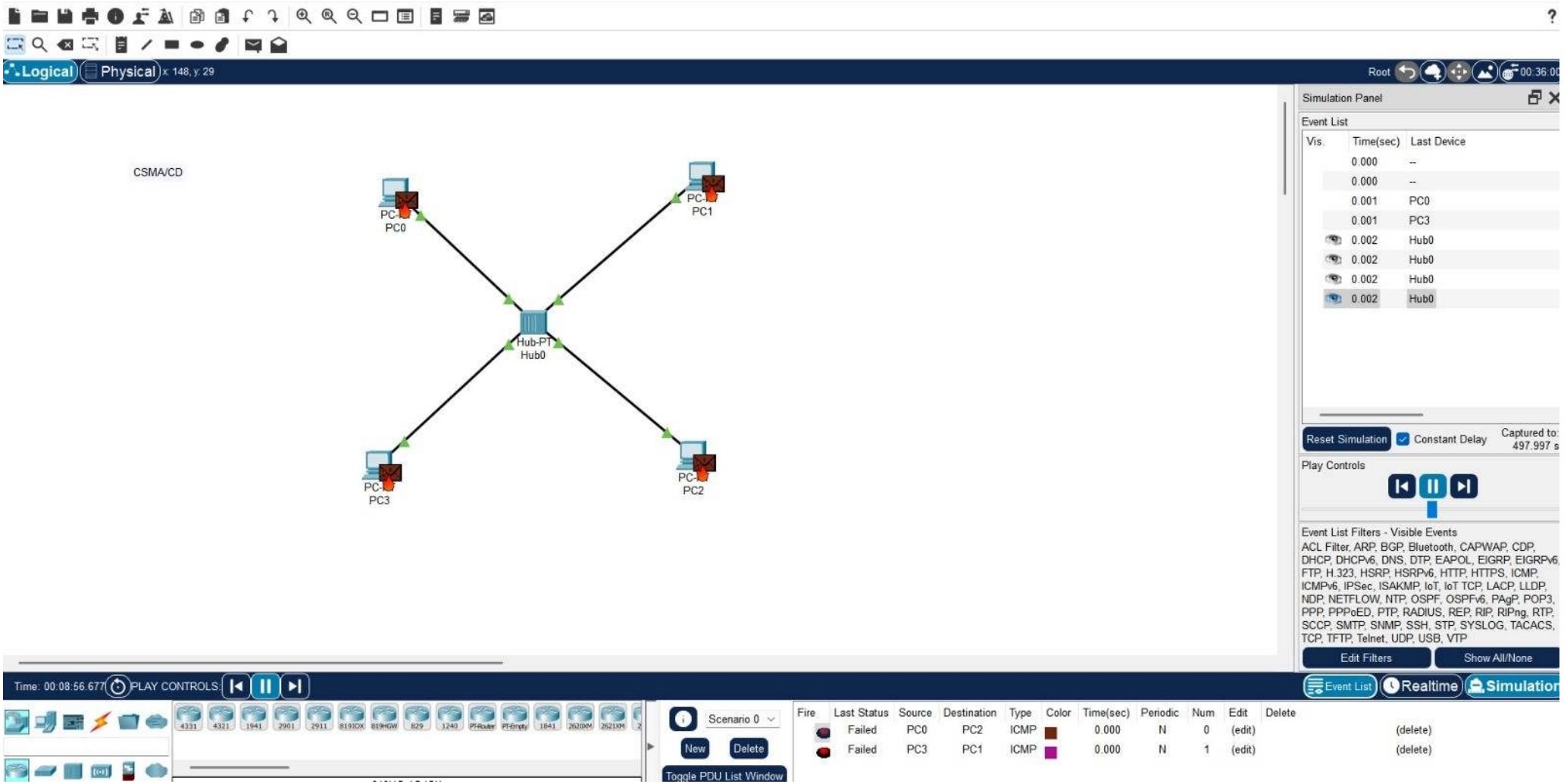

File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 308, y: 524
Root
04:22:30
IOT WITH RADIUS SERVER
Fan
IoT0
Server-PT
Server0
2960-24TT
Switch0
WRT300N
Wireless Router0
PC-PT
PC0
PC0
Physical
Config
Desktop
Programming
Attributes
Web Browser
URL http://192.168.0.10/home.html
Go
Stop
IoT Server - Devices
Home | Conditions | Editor | Log Out
IoT0 (PTT0810NM69-)
Ceiling Fan
Status
Off
Low
Top
Time: 01:01:22
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete

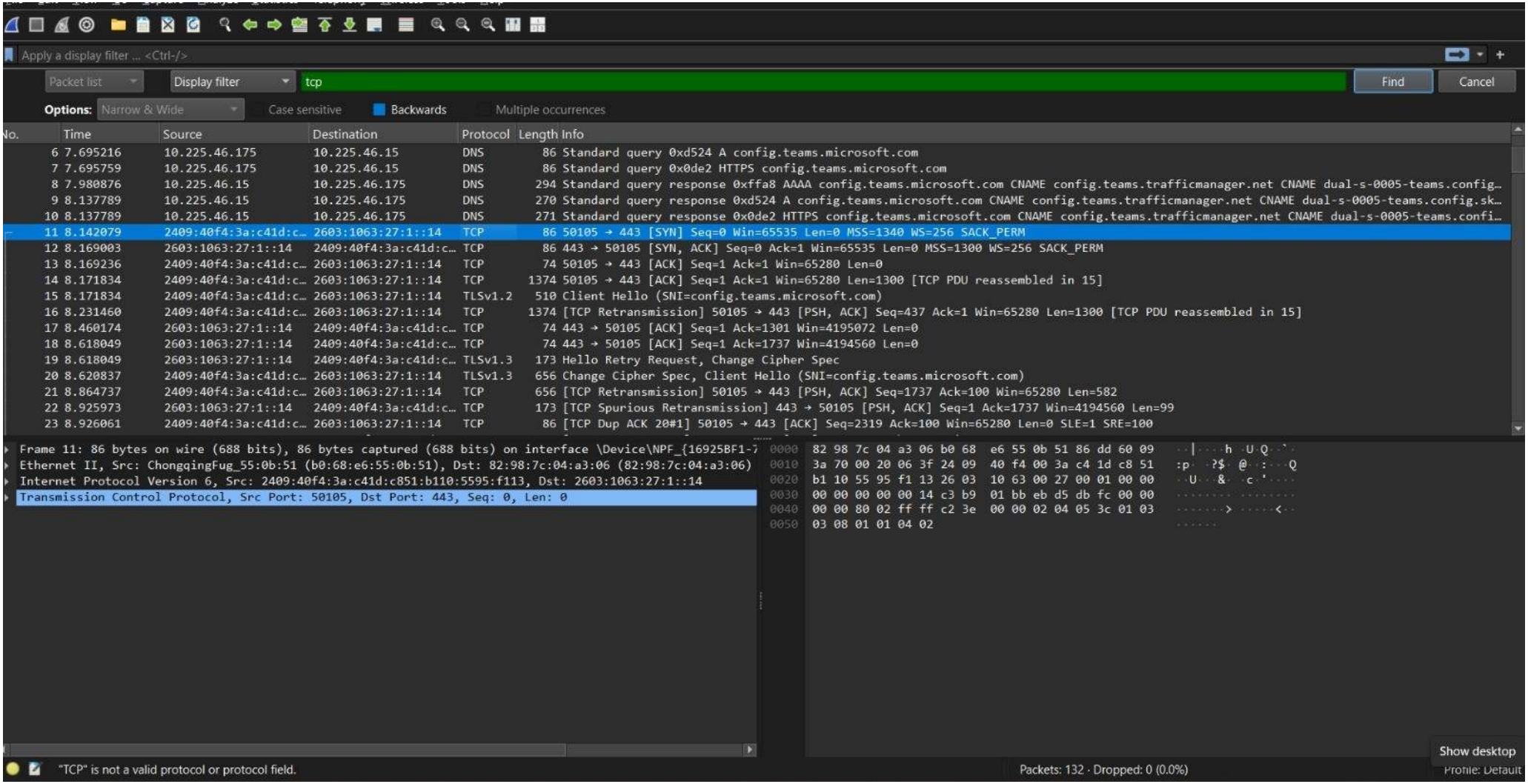

Logical
Physical
x: 376, y: 291
Root
01:22:30
STATIC ROUTING
ISR4331
Router0
ISR4331
Router1
2960-24TT
Switch0
2960-24TT
Switch1
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
Time: 00:02:38
Realtime
Simulation
819HG-1G-IOX
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC0
PC1
ICMP
0.000
N
0
(edit)
(delete)

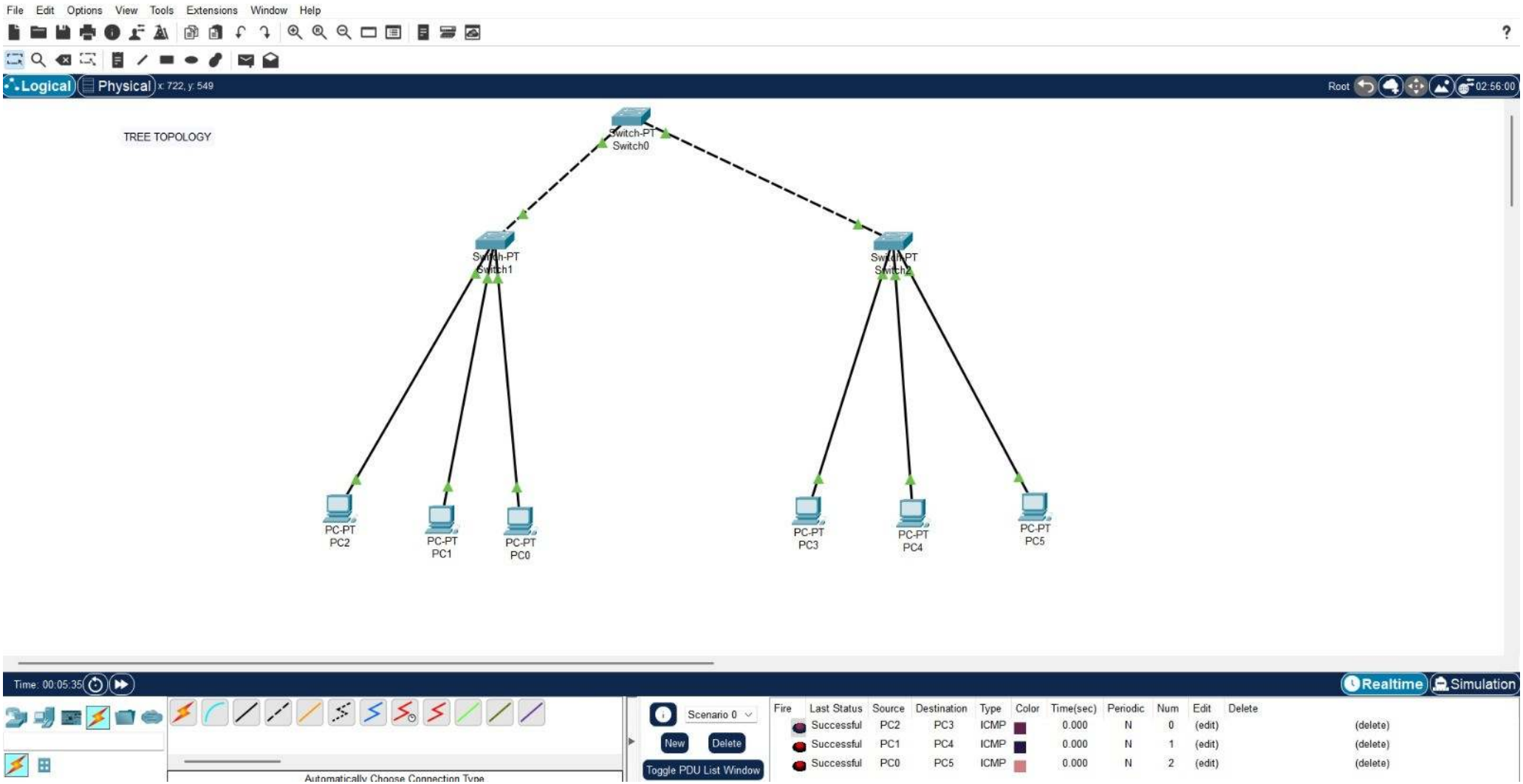

Logical
Physical
x: 86, y: 192
Root
00:33:00
DYNAMIC ROUTING
ISR4331
Router0
ISR4331
Router1
Switch-PT
Switch0
Switch-PT
Switch1
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
Time: 00:01:03
Realtime
Simulation
1841
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC0
PC0
ICMP
0.000
N
0
(edit)
(delete)


Logical
Physical
x: 766, y: 311
Root
00:33:30
SUBNET MASKING
ISR4331
Router0
2960-24TT
Switch1
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
Time: 00:01:05
Realtime
Simulation
2620XM
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Successful
PC0
PC1
ICMP
0.000
N
0
(edit)
(delete)


Logical
Physical
x: 1458, y: 454
Root
03:34:30
PC-PT
PC3
Hub-PT
Hub0
PC-PT
PC1
Hub-PT
Hub2
Hub-PT
Hub1
PC-PT
PC0
Hub-PT
Hub3
PC-PT
PC2
Time: 00:12:57
Realtime
Simulation
Automatically Choose Connection Type
Scenario 0
New
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)
Successful
PC2
PC0
ICMP
0.000
N
1
(edit)
(delete)


Logical
Physical
x: 148, y: 29
Root
CSMA/CD
PC-PT
PC0
PC-PT
PC1
Hub-PT
Hub0
PC-PT
PC3
PC-PT
PC2
Simulation Panel
Event List
Vis.
Time(sec)
Last Device
0.000 --
0.000 --
0.001 PC0
0.001 PC3
0.002 Hub0
0.002 Hub0
0.002 Hub0
0.002 Hub0
Reset Simulation
Constant Delay
Captured to:
497.997 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, 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: 00:08:56.677
PLAY CONTROLS:
Event List
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete
Failed PC0 PC2 ICMP 0.000 N 0 (edit) (delete)
Failed PC3 PC1 ICMP 0.000 N 1 (edit) (delete)


Apply a display filter ... <Ctrl-/>
Packet list
Display filter
tcp
Find
Cancel
Options: Narrow & Wide
Case sensitive
Backwards
Multiple occurrences
No. Time Source Destination Protocol Length Info
6 7.695216 10.225.46.175 10.225.46.15 DNS 86 Standard query 0xd524 A config.teams.microsoft.com
7 7.695759 10.225.46.175 10.225.46.15 DNS 86 Standard query 0x0de2 HTTPS config.teams.microsoft.com
8 7.980876 10.225.46.15 10.225.46.175 DNS 294 Standard query response 0xffa8 AAAA config.teams.microsoft.com CNAME config.teams.trafficmanager.net CNAME dual-s-0005-teams.config…
9 8.137789 10.225.46.15 10.225.46.175 DNS 270 Standard query response 0xd524 A config.teams.microsoft.com CNAME config.teams.trafficmanager.net CNAME dual-s-0005-teams.config.sk…
10 8.137789 10.225.46.15 10.225.46.175 DNS 271 Standard query response 0x0de2 HTTPS config.teams.microsoft.com CNAME config.teams.trafficmanager.net CNAME dual-s-0005-teams.confi…
11 8.142079 2409:40f4:3a:c41d:c… 2603:1063:27:1::14 TCP 86 50105 → 443 [SYN] Seq=0 Win=65535 Len=0 MSS=1340 WS=256 SACK_PERM
12 8.169003 2603:1063:27:1::14 2409:40f4:3a:c41d:c… TCP 86 443 → 50105 [SYN, ACK] Seq=0 Ack=1 Win=65535 Len=0 MSS=1300 WS=256 SACK_PERM
13 8.169236 2409:40f4:3a:c41d:c… 2603:1063:27:1::14 TCP 74 50105 → 443 [ACK] Seq=1 Ack=1 Win=65280 Len=0
14 8.171834 2409:40f4:3a:c41d:c… 2603:1063:27:1::14 TCP 1374 50105 → 443 [ACK] Seq=1 Ack=1 Win=65280 Len=1300 [TCP PDU reassembled in 15]
15 8.171834 2409:40f4:3a:c41d:c… 2603:1063:27:1::14 TLSv1.2 510 Client Hello (SNI=config.teams.microsoft.com)
16 8.231460 2409:40f4:3a:c41d:c… 2603:1063:27:1::14 TCP 1374 [TCP Retransmission] 50105 → 443 [PSH, ACK] Seq=437 Ack=1 Win=65280 Len=1300 [TCP PDU reassembled in 15]
17 8.460174 2603:1063:27:1::14 2409:40f4:3a:c41d:c… TCP 74 443 → 50105 [ACK] Seq=1 Ack=1301 Win=4195072 Len=0
18 8.618049 2603:1063:27:1::14 2409:40f4:3a:c41d:c… TCP 74 443 → 50105 [ACK] Seq=1 Ack=1737 Win=4194560 Len=0
19 8.618049 2603:1063:27:1::14 2409:40f4:3a:c41d:c… TLSv1.3 173 Hello Retry Request, Change Cipher Spec
20 8.620837 2409:40f4:3a:c41d:c… 2603:1063:27:1::14 TLSv1.3 656 Change Cipher Spec, Client Hello (SNI=config.teams.microsoft.com)
21 8.864737 2409:40f4:3a:c41d:c… 2603:1063:27:1::14 TCP 656 [TCP Retransmission] 50105 → 443 [PSH, ACK] Seq=1737 Ack=100 Win=65280 Len=582
22 8.925973 2603:1063:27:1::14 2409:40f4:3a:c41d:c… TCP 173 [TCP Spurious Retransmission] 443 → 50105 [PSH, ACK] Seq=1 Ack=1737 Win=4194560 Len=99
23 8.926061 2409:40f4:3a:c41d:c… 2603:1063:27:1::14 TCP 86 [TCP Dup ACK 20#1] 50105 → 443 [ACK] Seq=2319 Ack=100 Win=65280 Len=0 SLE=1 SRE=100
Frame 11: 86 bytes on wire (688 bits), 86 bytes captured (688 bits) on interface \Device\NPF_{16925BF1-7
Ethernet II, Src: ChongqingFug_55:0b:51 (b0:68:e6:55:0b:51), Dst: 82:98:7c:04:a3:06 (82:98:7c:04:a3:06)
Internet Protocol Version 6, Src: 2409:40f4:3a:c41d:c851:b110:5595:f113, Dst: 2603:1063:27:1::14
Transmission Control Protocol, Src Port: 50105, Dst Port: 443, Seq: 0, Len: 0
0000 82 98 7c 04 a3 06 b0 68 e6 55 0b 51 86 dd 60 09
0010 3a 70 00 20 06 3f 24 09 40 f4 00 3a c4 1d c8 51
0020 b1 10 55 95 f1 13 26 03 10 63 00 27 00 01 00 00
0030 00 00 00 00 00 14 c3 b9 01 bb eb d5 db fc 00 00
0040 00 00 80 02 ff ff c2 3e 00 00 02 04 05 3c 01 03
0050 03 08 01 01 04 02
"TCP" is not a valid protocol or protocol field.
Packets: 132 · Dropped: 0 (0.0%)
Show desktop
Profile: Default


File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 722, y: 549
Root
02:56:00
TREE TOPOLOGY
Switch-PT
Switch0
Switch-PT
Switch1
Switch-PT
Switch2
PC-PT
PC2
PC-PT
PC1
PC-PT
PC0
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
Time: 00:05:35
Realtime
Simulation
Scenario 0
New
Delete
Toggle PDU List Window
Automatically Choose Connection Type
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete
Successful PC2 PC3 ICMP 0.000 N 0 (edit) (delete)
Successful PC1 PC4 ICMP 0.000 N 1 (edit) (delete)
Successful PC0 PC5 ICMP 0.000 N 2 (edit) (delete)