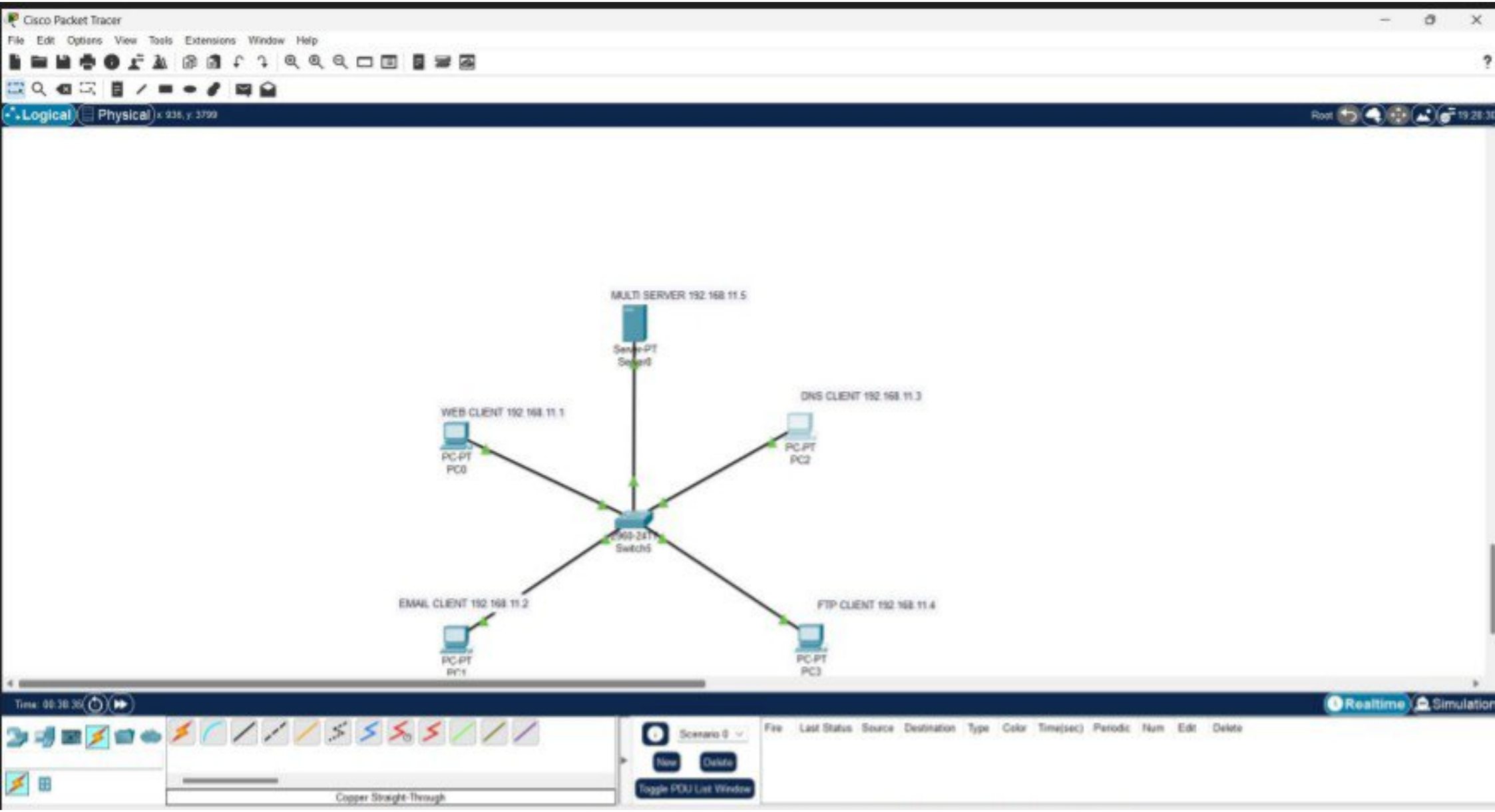
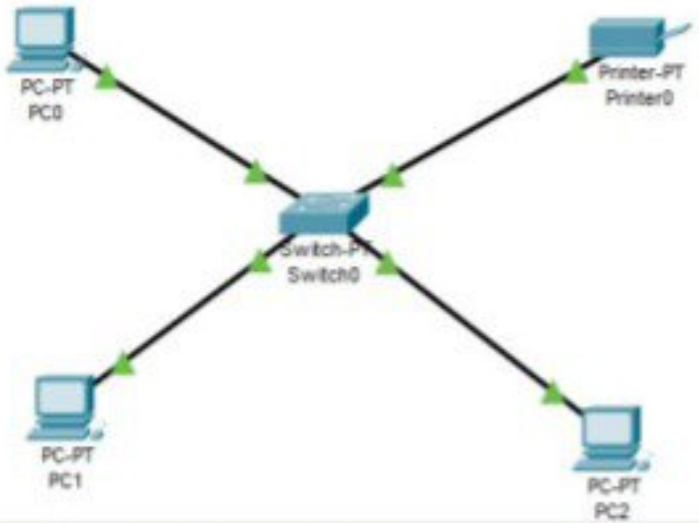

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
MULTI SERVER 192.168.11.5
WEB CLIENT 192.168.11.1
PC-PT
PC0
DNS CLIENT 192.168.11.3
PC-PT
PC2
Switch5
EMAIL CLIENT 192.168.11.2
PC-PT
FTP CLIENT 192.168.11.4
PC-PT
PC3
Realtime
Simulation
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit
Delete

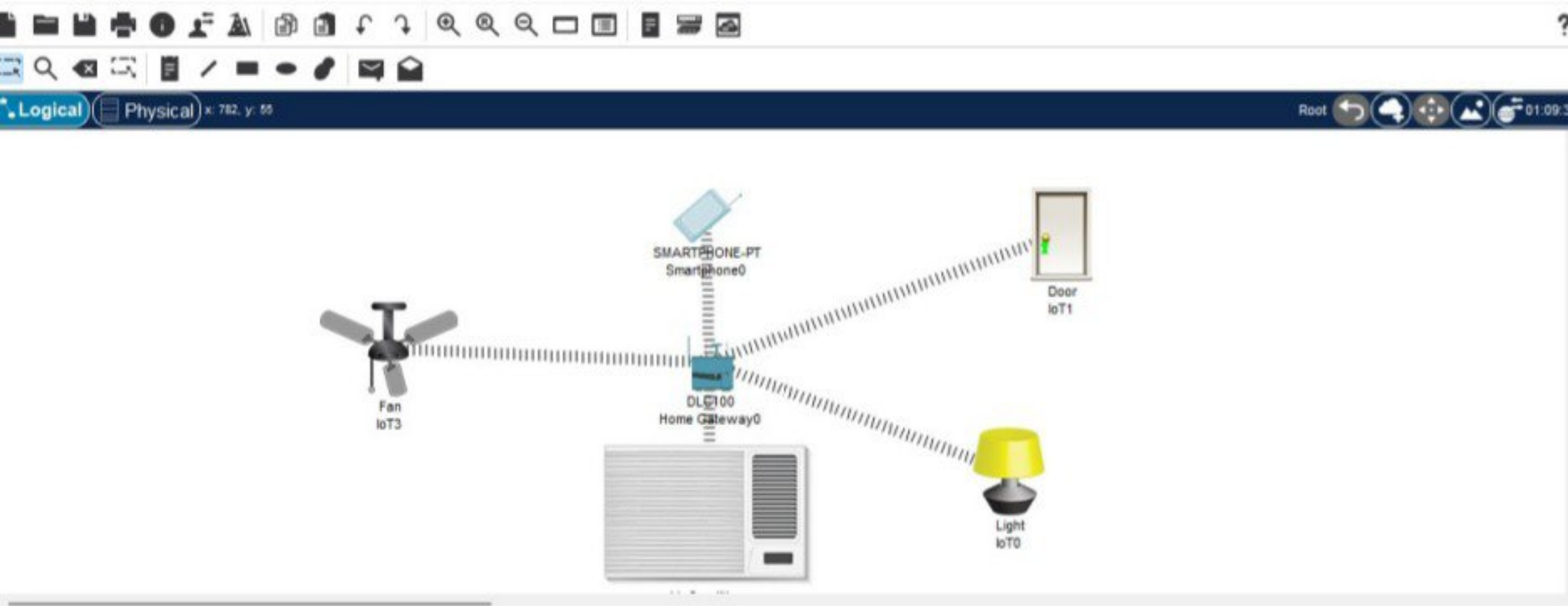
File Edit Options View Tools Extensions Window Help

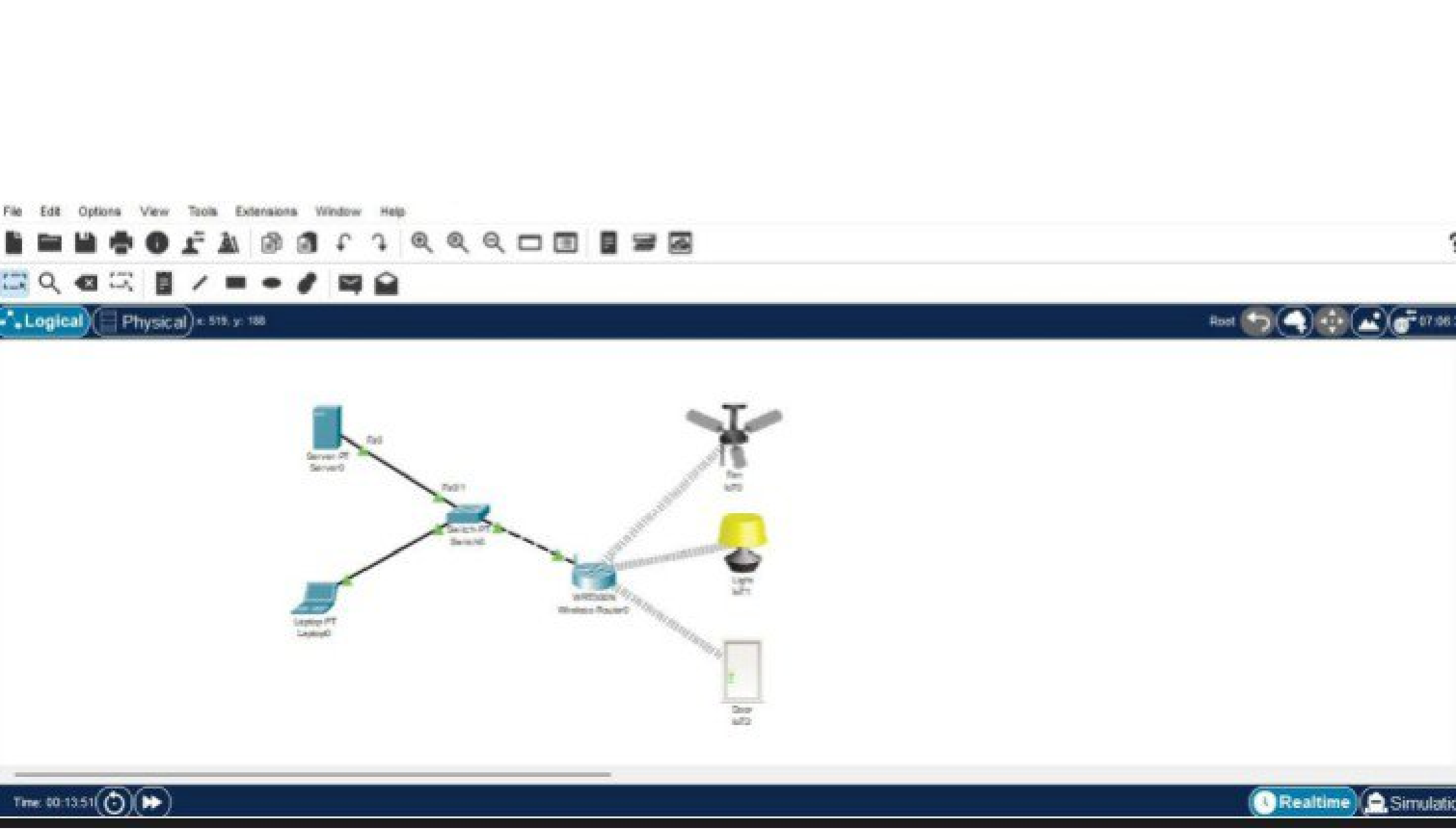
Logical Physical x: 522, y: 124 Root

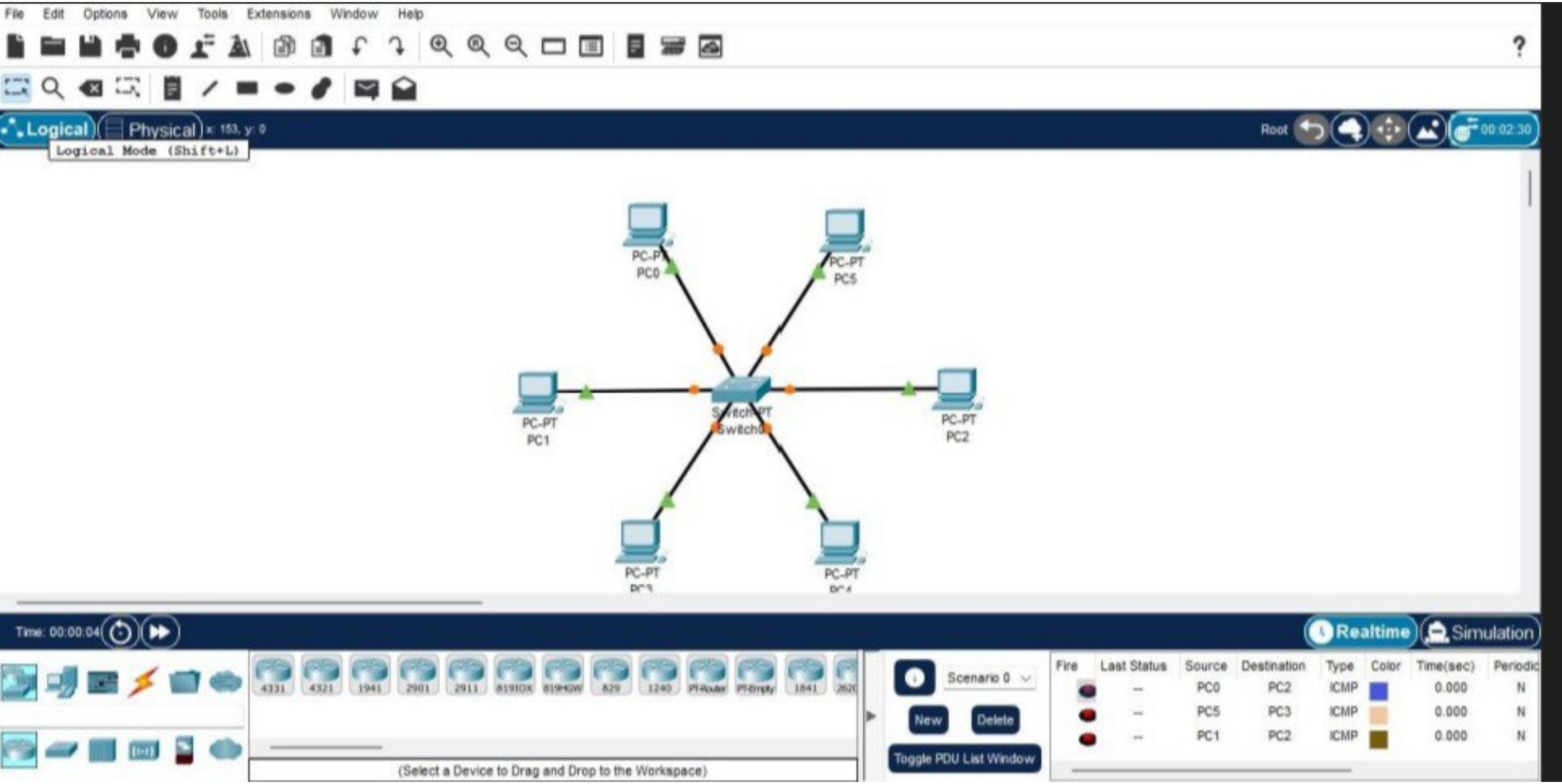


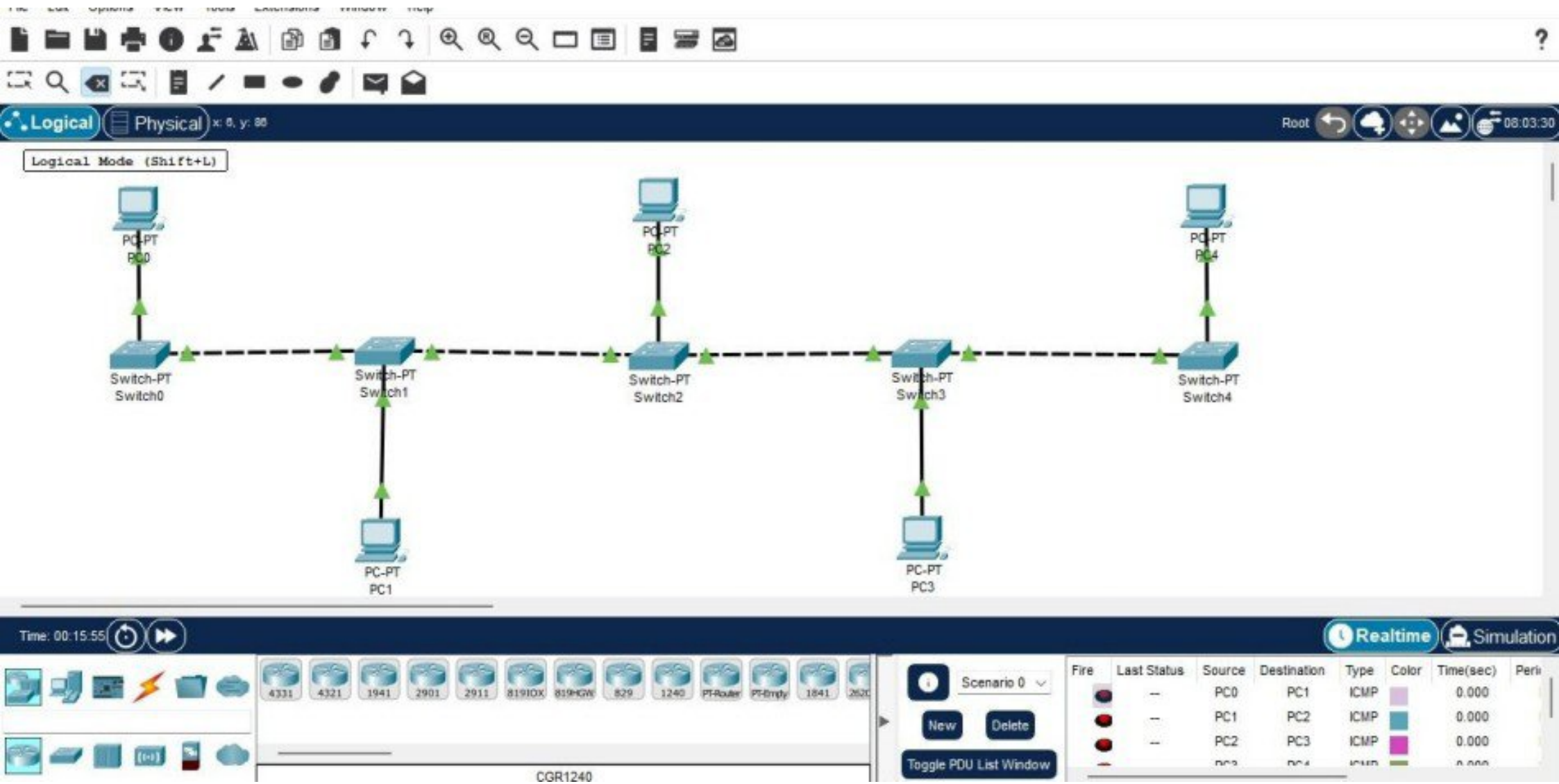
Time: 00:36:15 Realtime Simu

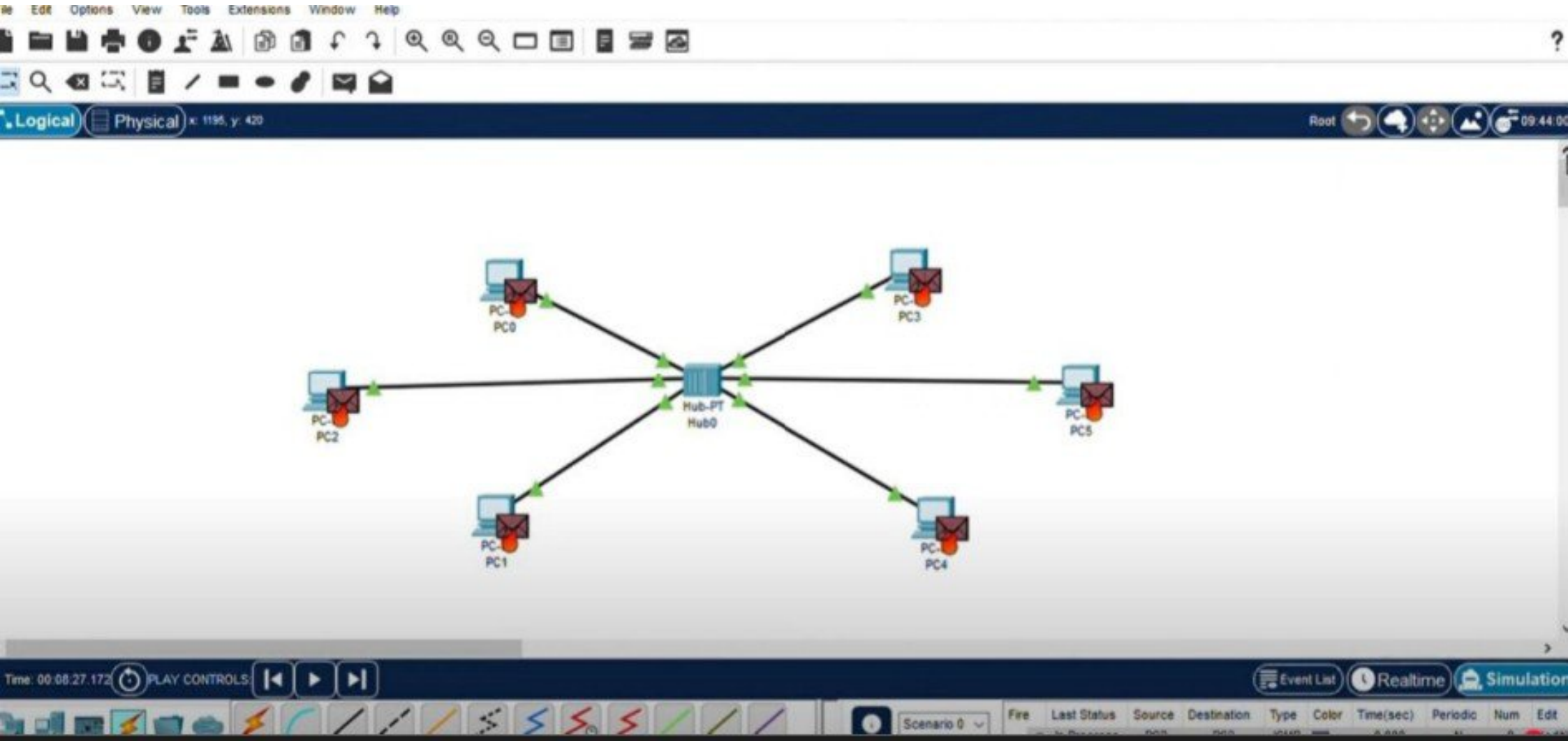
File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 618, y: 197
Root
0.00
SMARTPHONE-PT
Smartphone0
Water Level Monitor
IoT1
DLC100
Home Gateway0
Lawn Sprinkler
IoT2
Water Drain

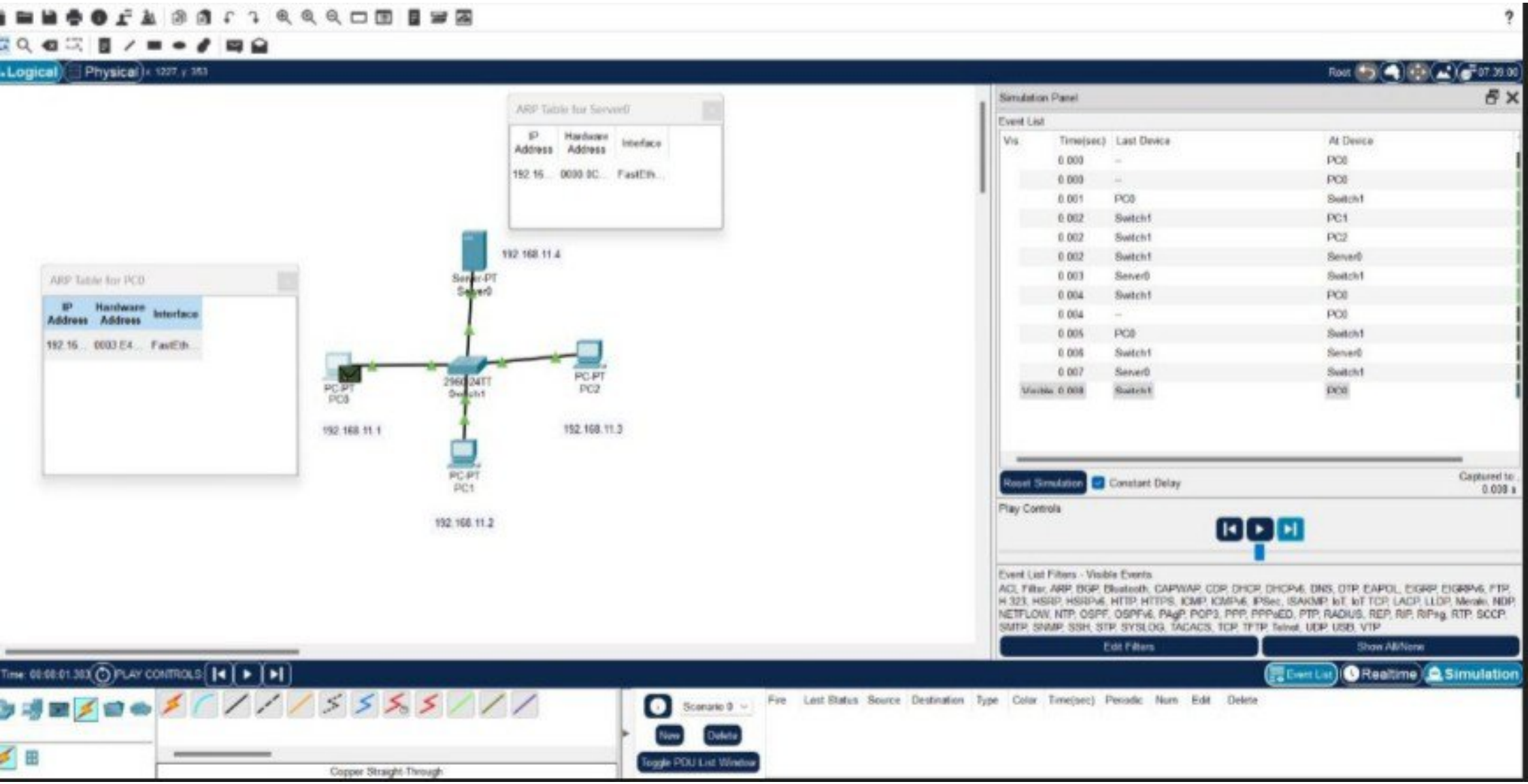

Logical
Physical
x: 782, y: 55
Root
SMARTPHONE-PT
Smartphone0
Door
IoT1
Fan
IoT3
DLC100
Home Gateway0
Light
IoT0


File Edit Options View Tools Extensions Window Help
Logical
Physical
Root
Time: 00:13:51
Realtime


File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 153, y: 0
Logical Mode (Shift+L)
Root
00:02:30
PC-PT PC0
PC-PT PC5
PC-PT PC1
PC-PT PC2
PC-PT
PC-PT
Time: 00:00:04
Realtime
Simulation
4331
4321
1941
2901
2911
819IOX
819HGW
829
1240
PT-Router
PT-Empty
1841
(Select a Device to Drag and Drop to the Workspace)
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
-- PC0 PC2 ICMP 0.000 N
-- PC5 PC3 ICMP 0.000 N
-- PC1 PC2 ICMP 0.000 N

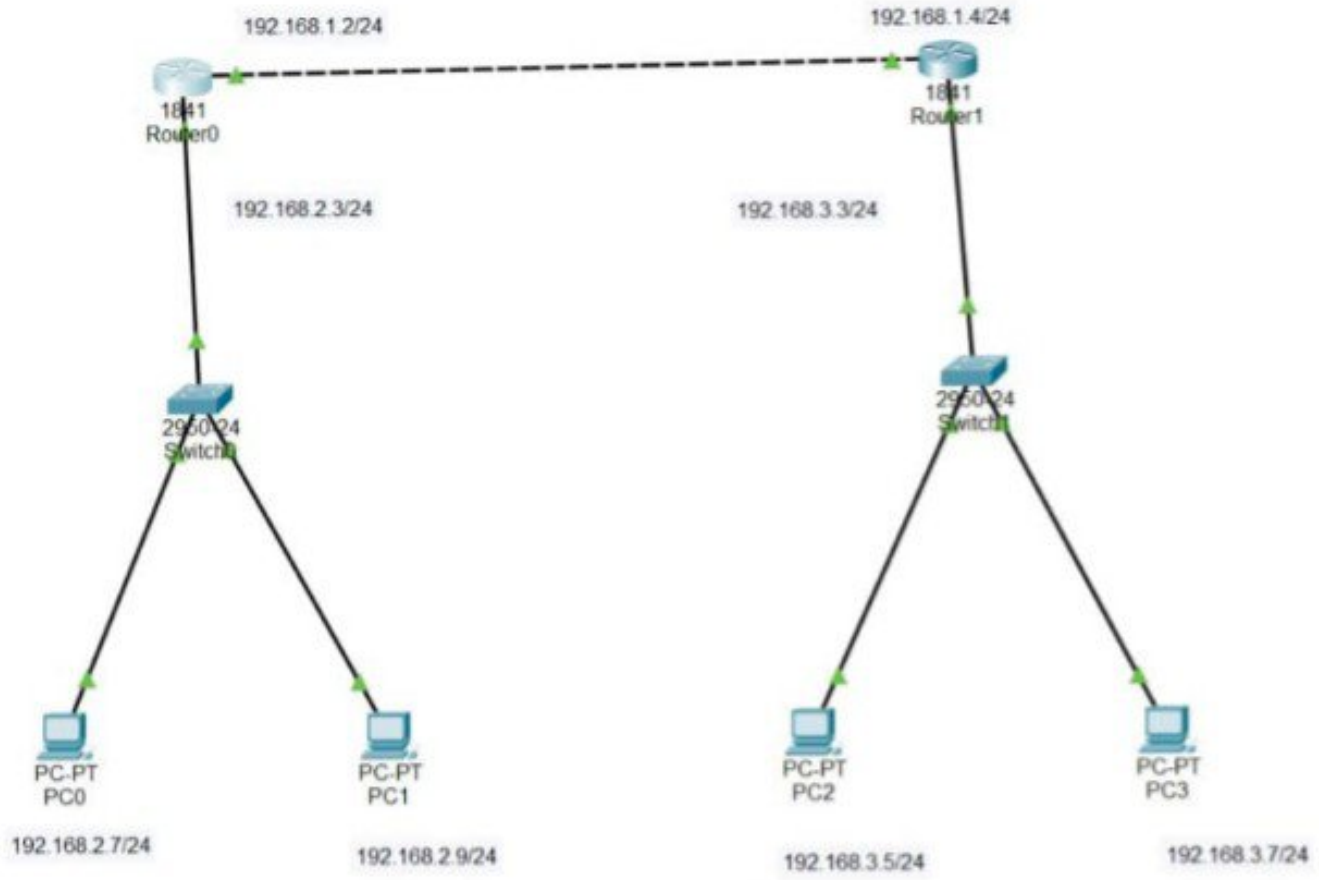

Logical
Physical
Root
08:03:30
Logical Mode (Shift+L)
PC-PT PC0
PC-PT PC2
PC-PT PC4
Switch-PT Switch0
Switch-PT Switch1
Switch-PT Switch2
Switch-PT Switch3
Switch-PT Switch4
PC-PT PC1
PC-PT PC3
Time: 00:15:55
Realtime
Simulation
4331
4321
1941
2901
2911
819IOX
819HGW
829
1240
PT-Router
PT-Empty
1841
CGR1240
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
PC0
PC1
ICMP
0.000
PC1
PC2
ICMP
0.000
PC2
PC3
ICMP
0.000

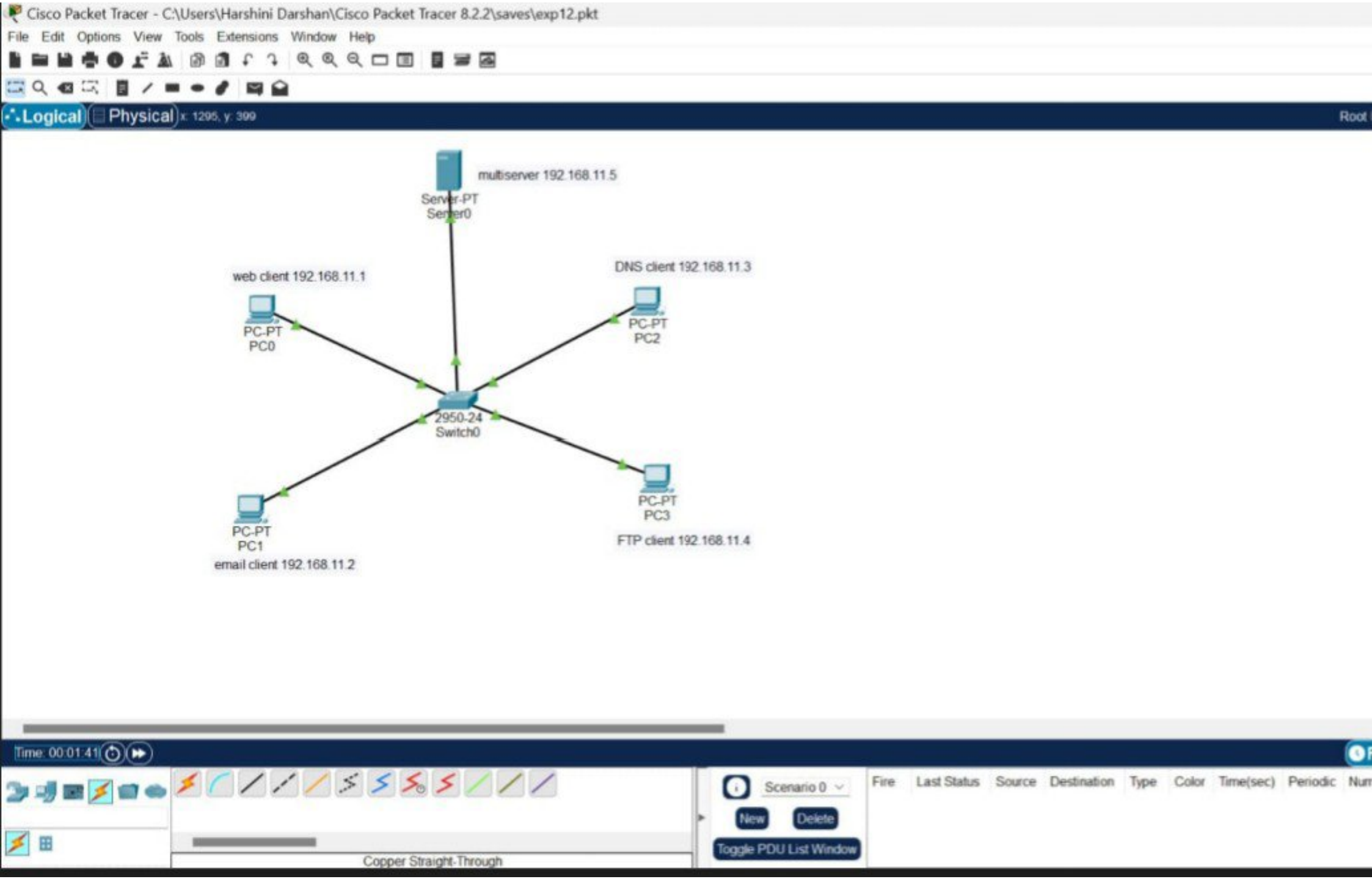

Edit
Options
View
Tools
Extensions
Window
Help
Logical
Physical
Root
PC0
PC3
PC2
Hub-PT
Hub0
PC5
PC1
PC4
Time: 00:08:27.172
PLAY CONTROLS:
Event List
Realtime
Simulation
Scenario 0
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic
Num
Edit

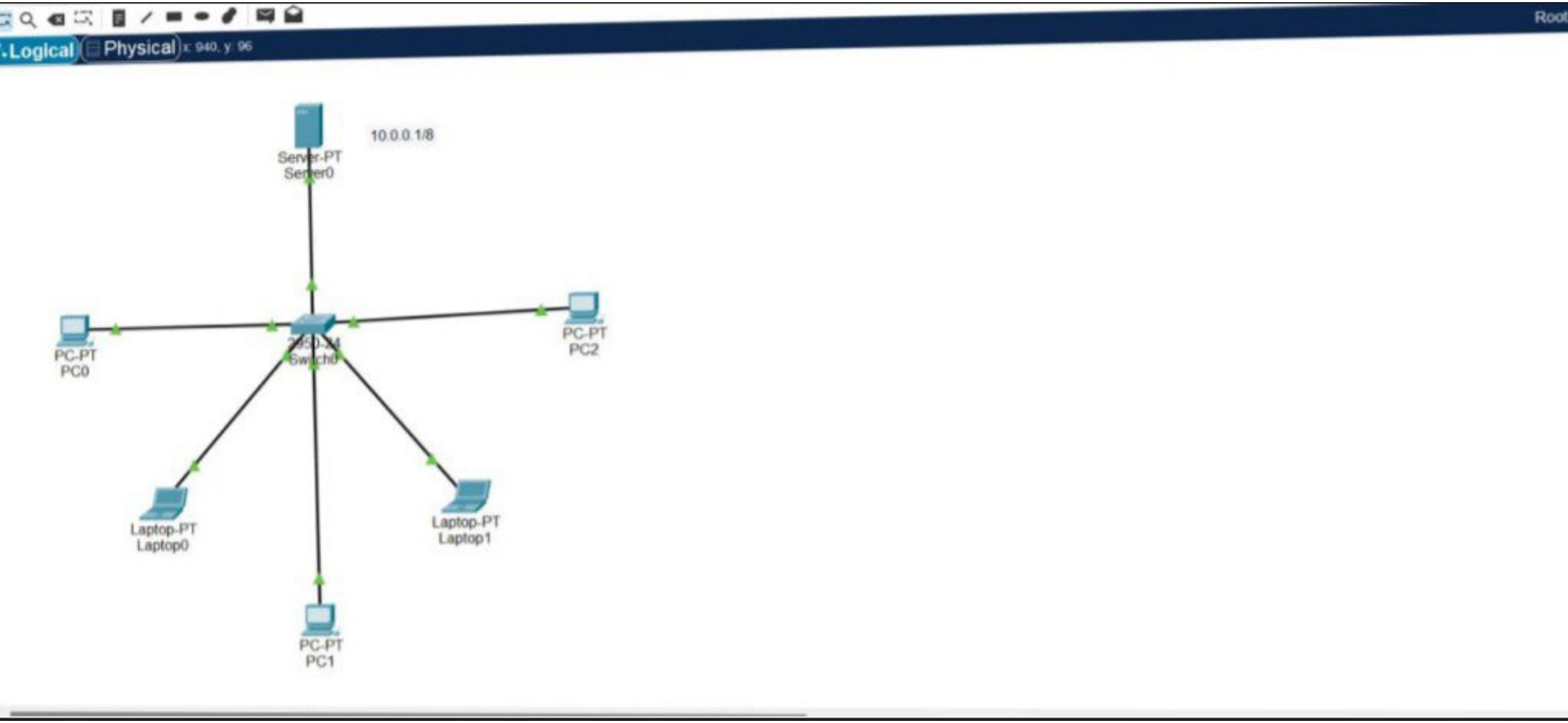

Logical
Physical
ARP Table for Server0
IP Address
Hardware Address
Interface
ARP Table for PC0
192.168.11.4
Server-PT Server0
PC-PT PC3
PC-PT PC2
PC-PT PC1
192.168.11.1
192.168.11.3
192.168.11.2
Simulation Panel
Event List
Vis.
Time(sec)
Last Device
At Device
Reset Simulation
Constant Delay
Play Controls
Event List Filters - Visible Events
Edit Filters
Show All/None
Realtime
Simulation
Copper Straight-Through

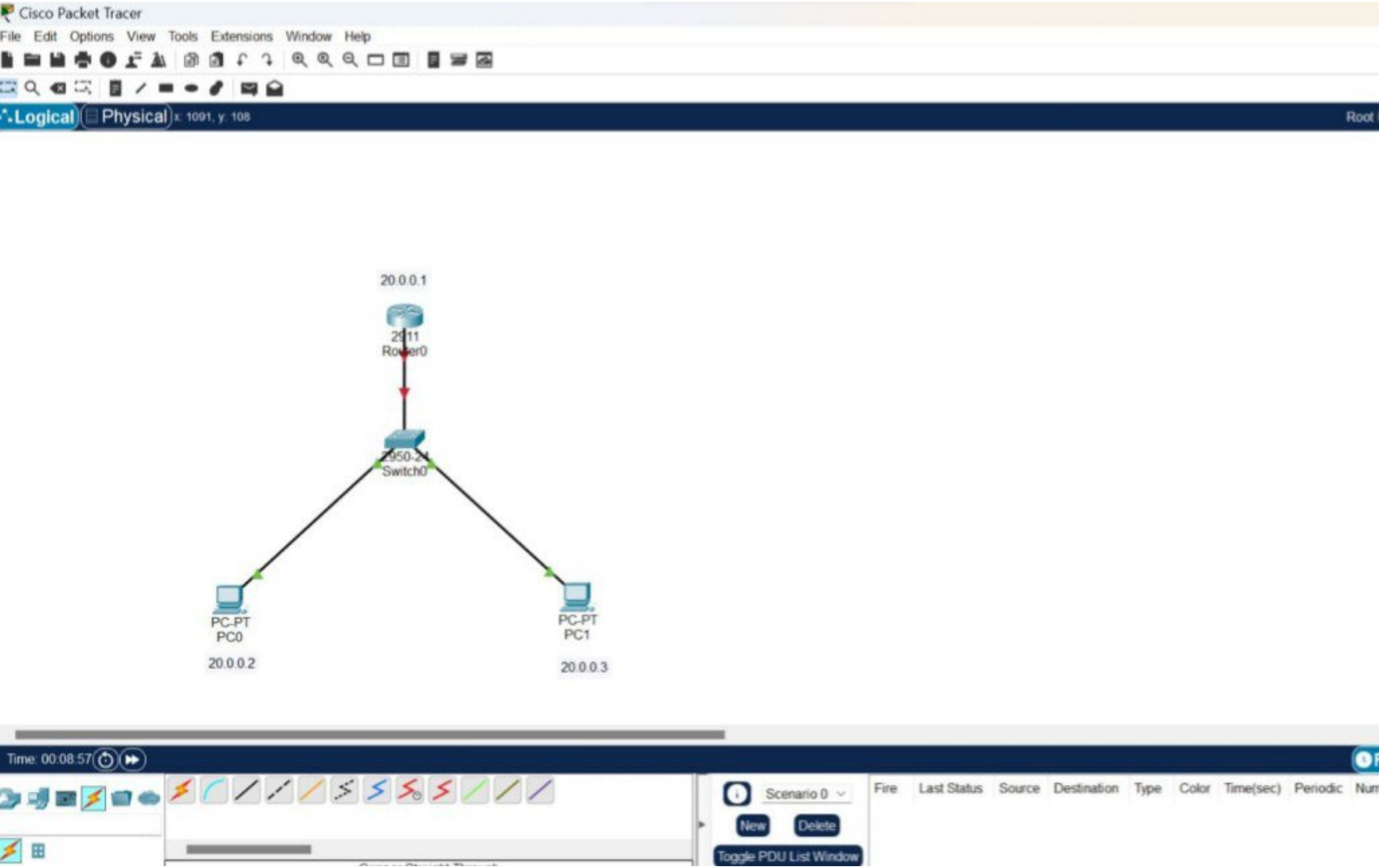
Logical
Physical
x: 940, y: 96
Root
10.0.0.1/8
Server-PT
Server0
PC-PT
PC0
PC-PT
PC2
Laptop-PT
Laptop0
Laptop-PT
Laptop1
PC-PT
PC1

Logical Physical x: 517, y: 161




Cisco Packet Tracer - C:\Users\Harshini Darshan\Cisco Packet Tracer 8.2.2\saves\exp12.pkt
File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 1295, y: 399
Root
multiserver 192.168.11.5
Server-PT
Server0
web client 192.168.11.1
PC-PT
PC0
DNS client 192.168.11.3
PC-PT
PC2
2950-24
Switch0
PC-PT
PC1
email client 192.168.11.2
PC-PT
PC3
FTP client 192.168.11.4
Time: 00:01:41
Copper Straight-Through
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic


Logical
Physical
x: 940, y: 96
Root
10.0.0.1/8
Server-PT
Server0
PC-PT
PC0
2950-24
Switch0
PC-PT
PC2
Laptop-PT
Laptop0
Laptop-PT
Laptop1
PC-PT
PC1

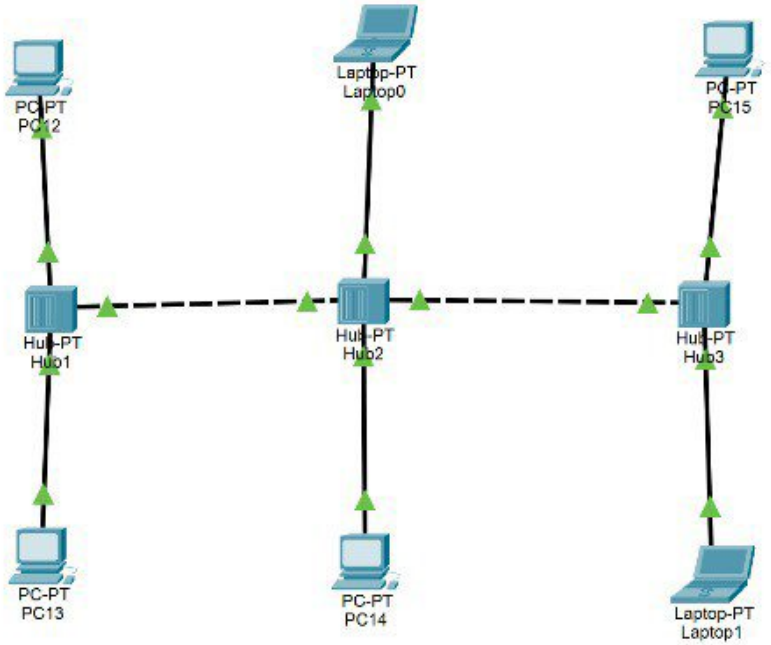

Cisco Packet Tracer
File Edit Options View Tools Extensions Window Help
Logical
Physical
x: 1091, y: 108
Root
20.0.0.1
2911
Router0
2950-24
Switch0
PC-PT
PC0
20.0.0.2
PC-PT
PC1
20.0.0.3
Time: 00:08:57
Scenario 0
New
Delete
Toggle PDU List Window
Fire
Last Status
Source
Destination
Type
Color
Time(sec)
Periodic

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x: 1583, y: 5 [Root] 15:48:00

bus



Time: 00:41:24

Realtime Simulation

Copper Straight-Through

Scenario 1

New Delete

Toggle PDU List Window

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
	Successful	PC12	Laptop1	IC...		0.000	N	0	(e...	(del...
	Successful	Laptop0	PC14	IC...		0.000	N	1	(e...	(del...

main.c... Output

```c
#include<stdio.h>
#include<string.h>
int main()
{
 int i=0,count=0;
 char databits[80];
 printf("Enter Data Bits: ");
 scanf("%s",databits);
 printf("\nData Bits After Bit
     stuffing: ");
  for(i=0; i<strlen(databits); i++)
 {
    if(databits[i]=='1')
        count++;
    else
        count=0;
    printf("%c",databits[i]);
    if(count==5)
    {
        printf("0");
        count=0;
    }
 }
return 0 ;
}
```

Run

main.c...

Output

```
Enter Data Bits: 85

Data Bits After Bit stuffing: 85

=== Code Execution Successful ===
```