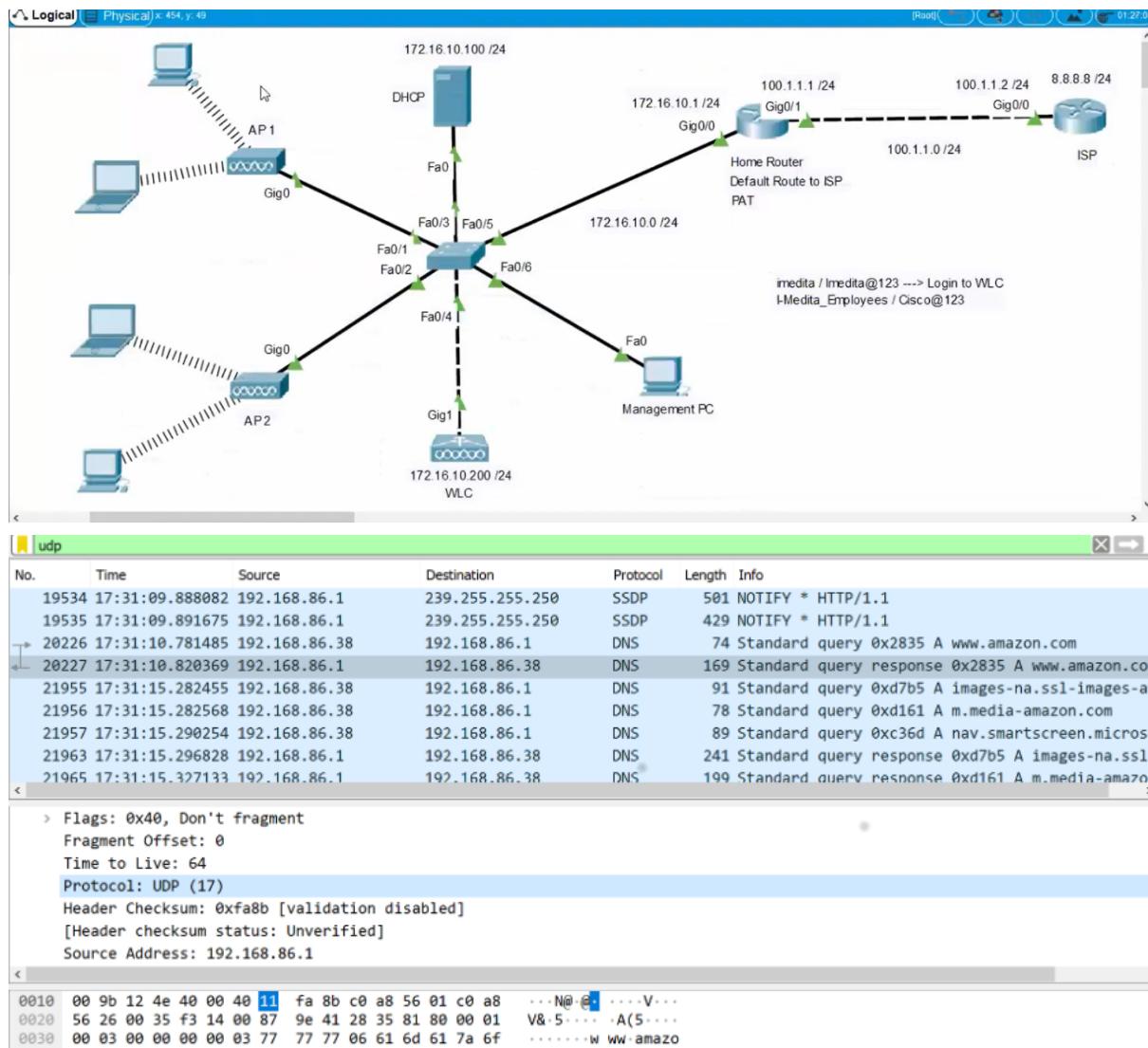
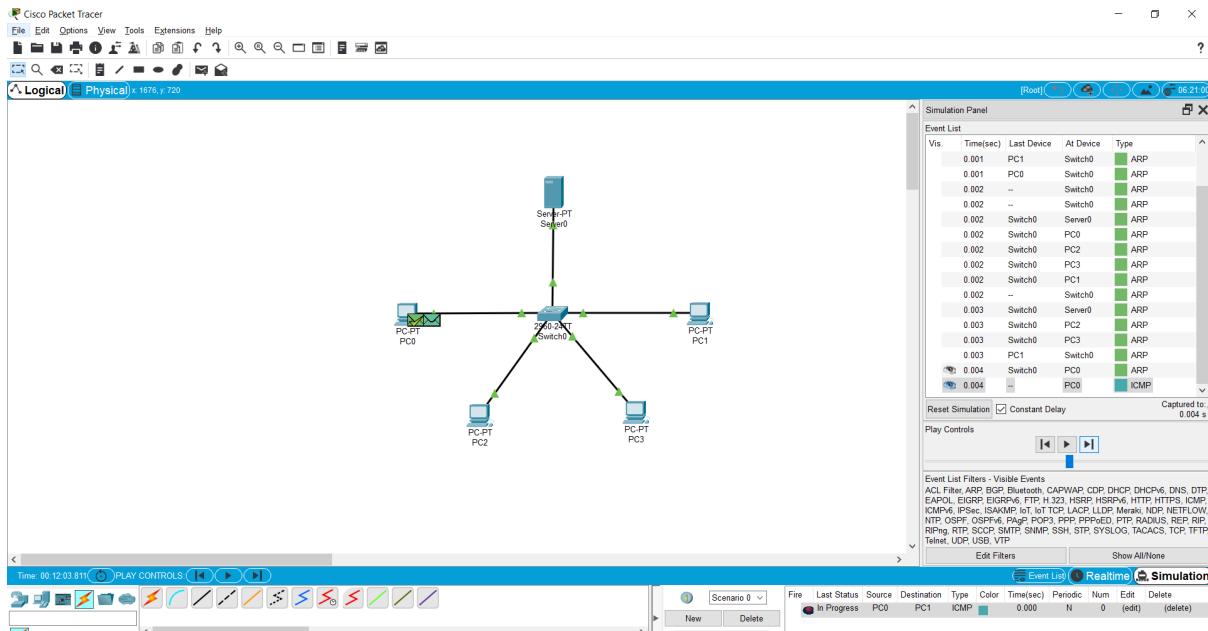
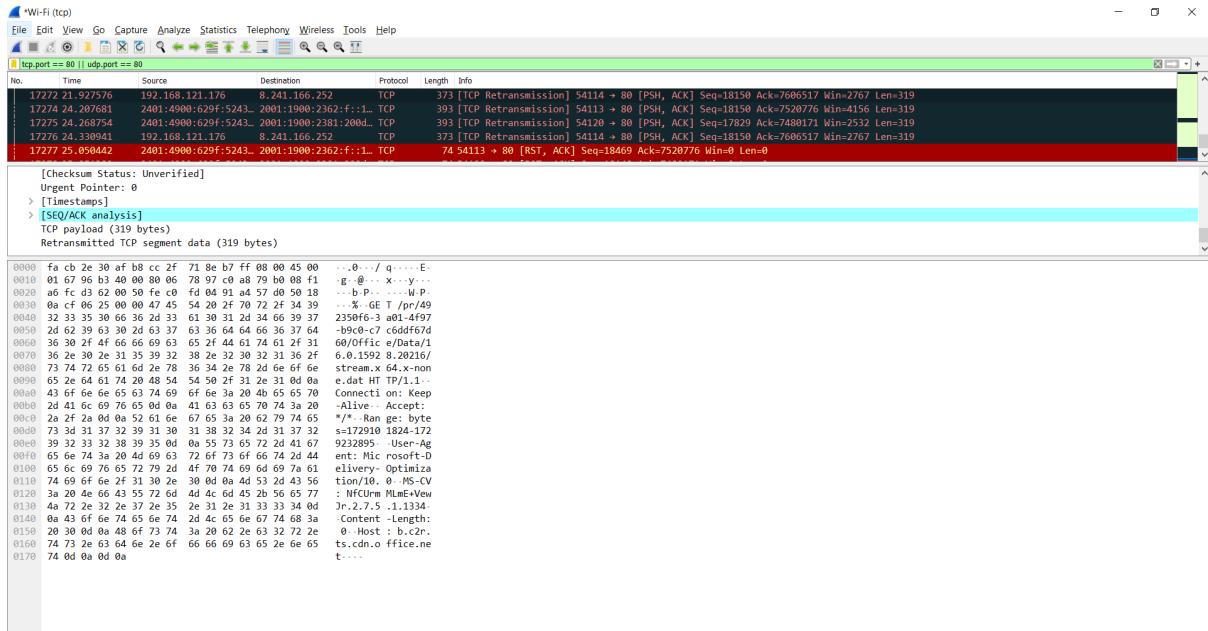


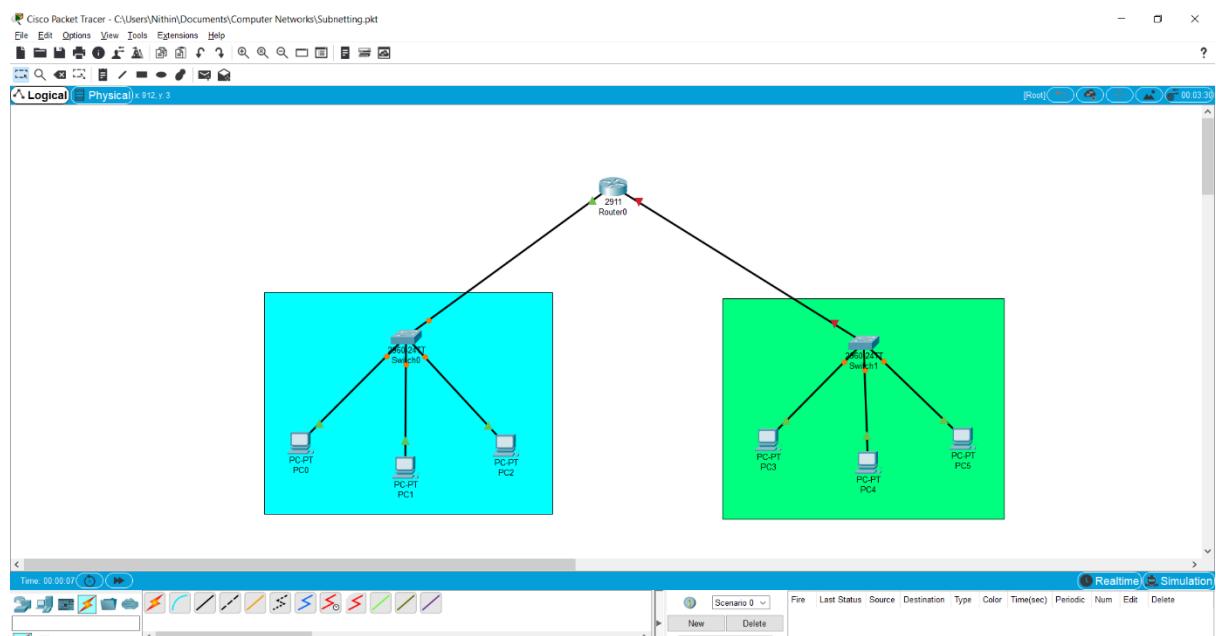
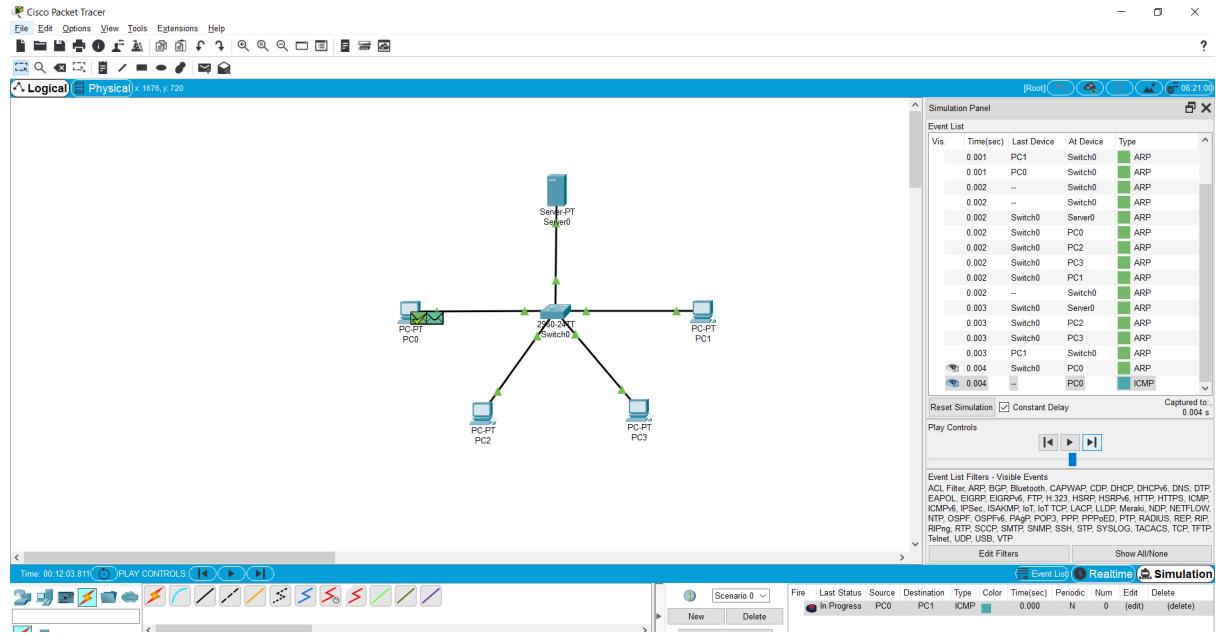
Computer Networks

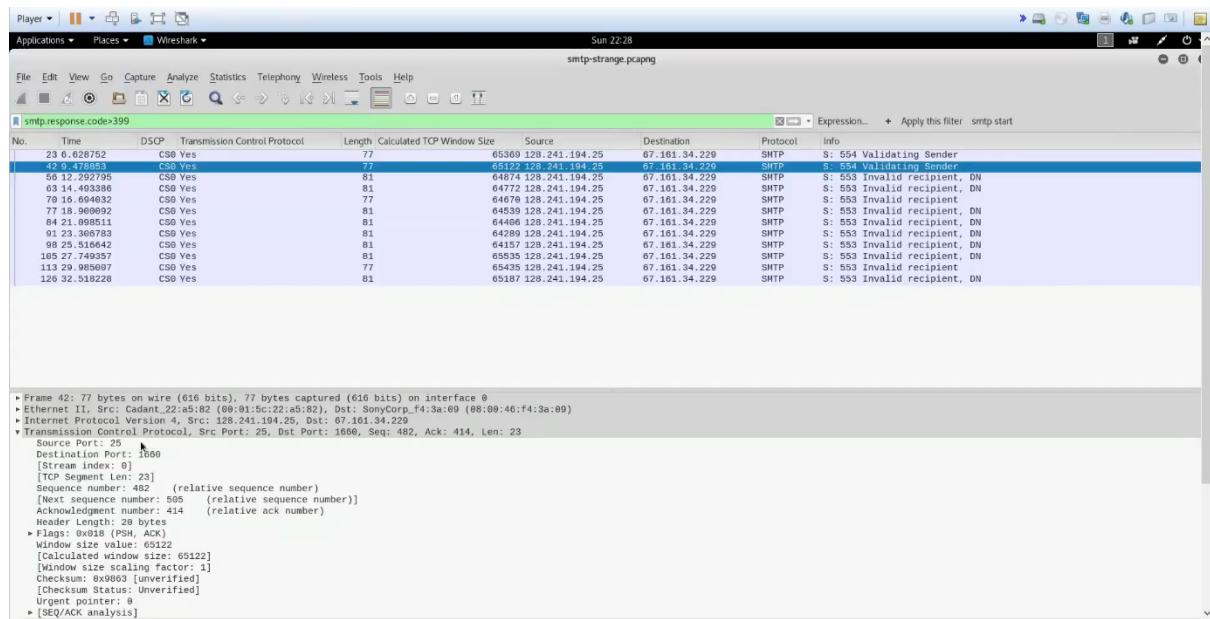
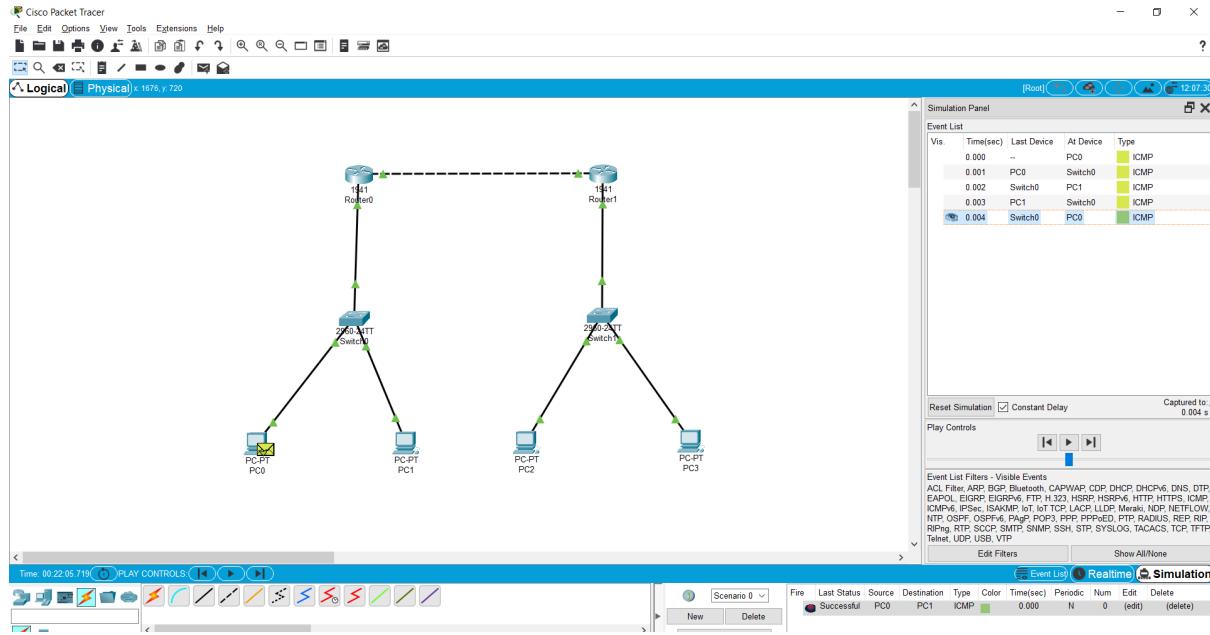
Ch.Bhanu prakash

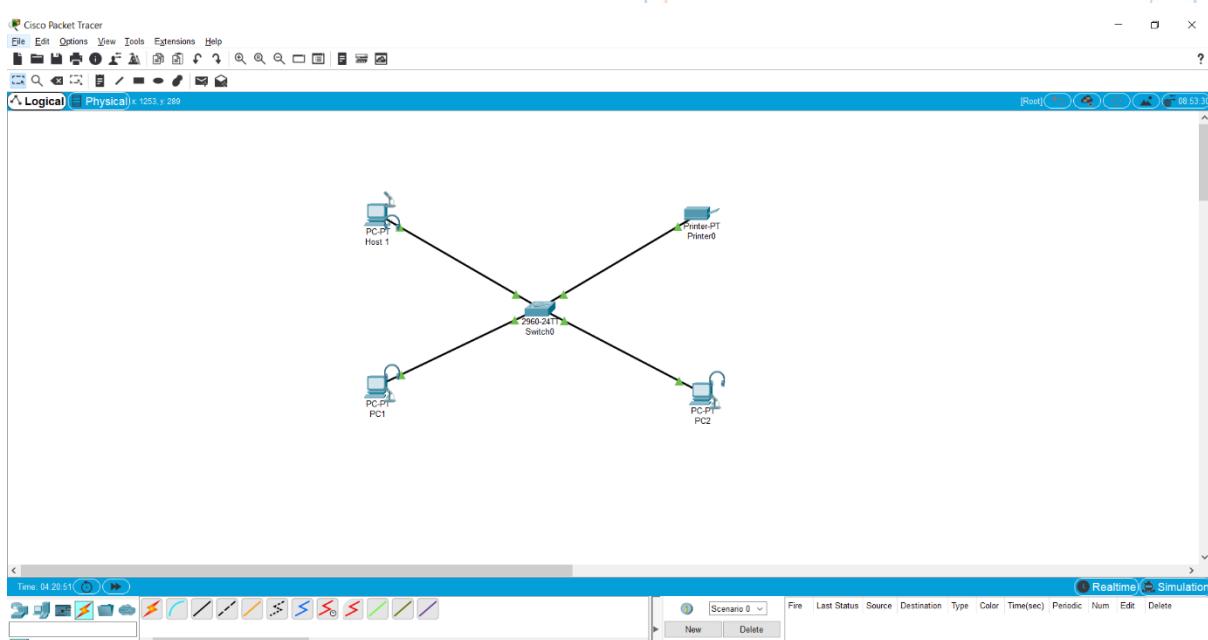
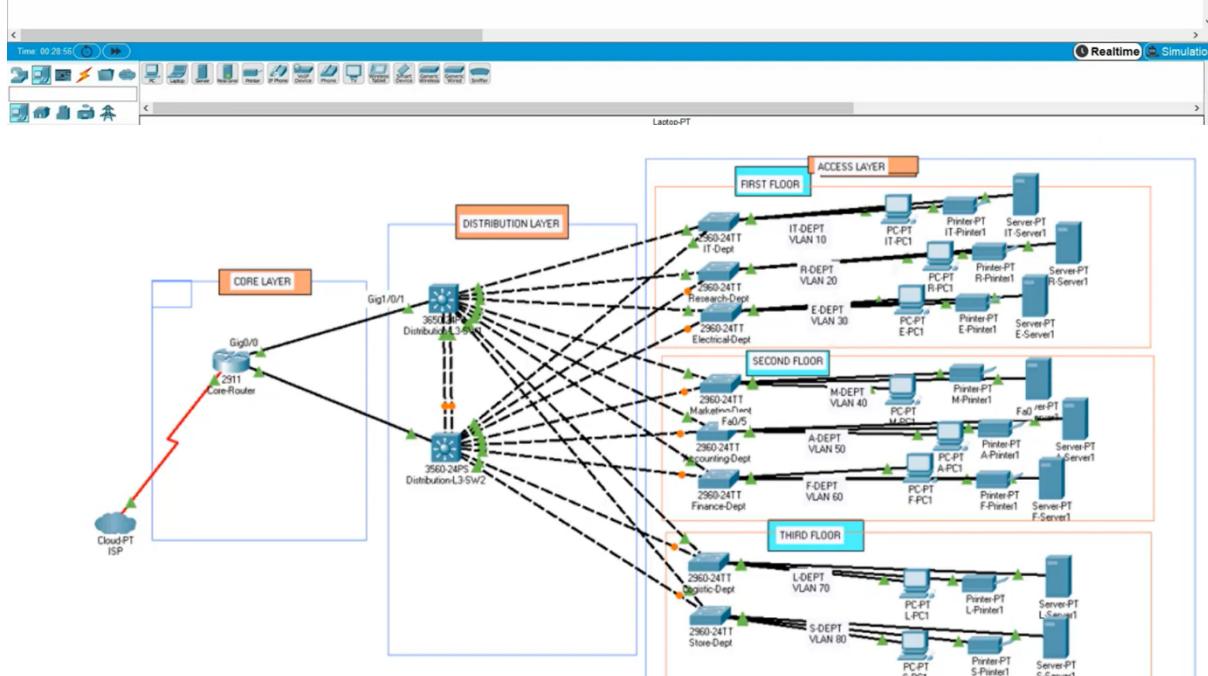
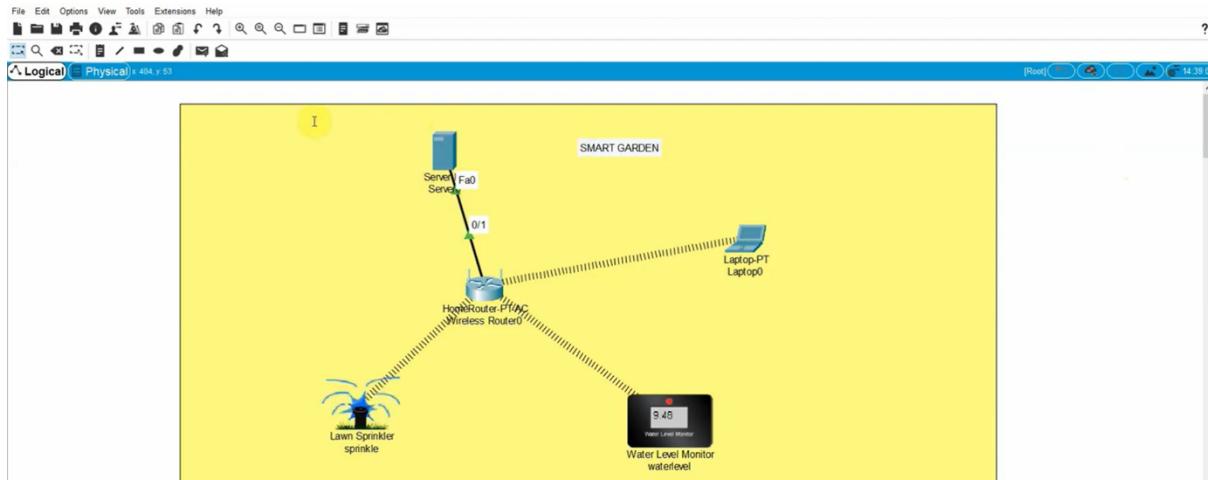
192211091

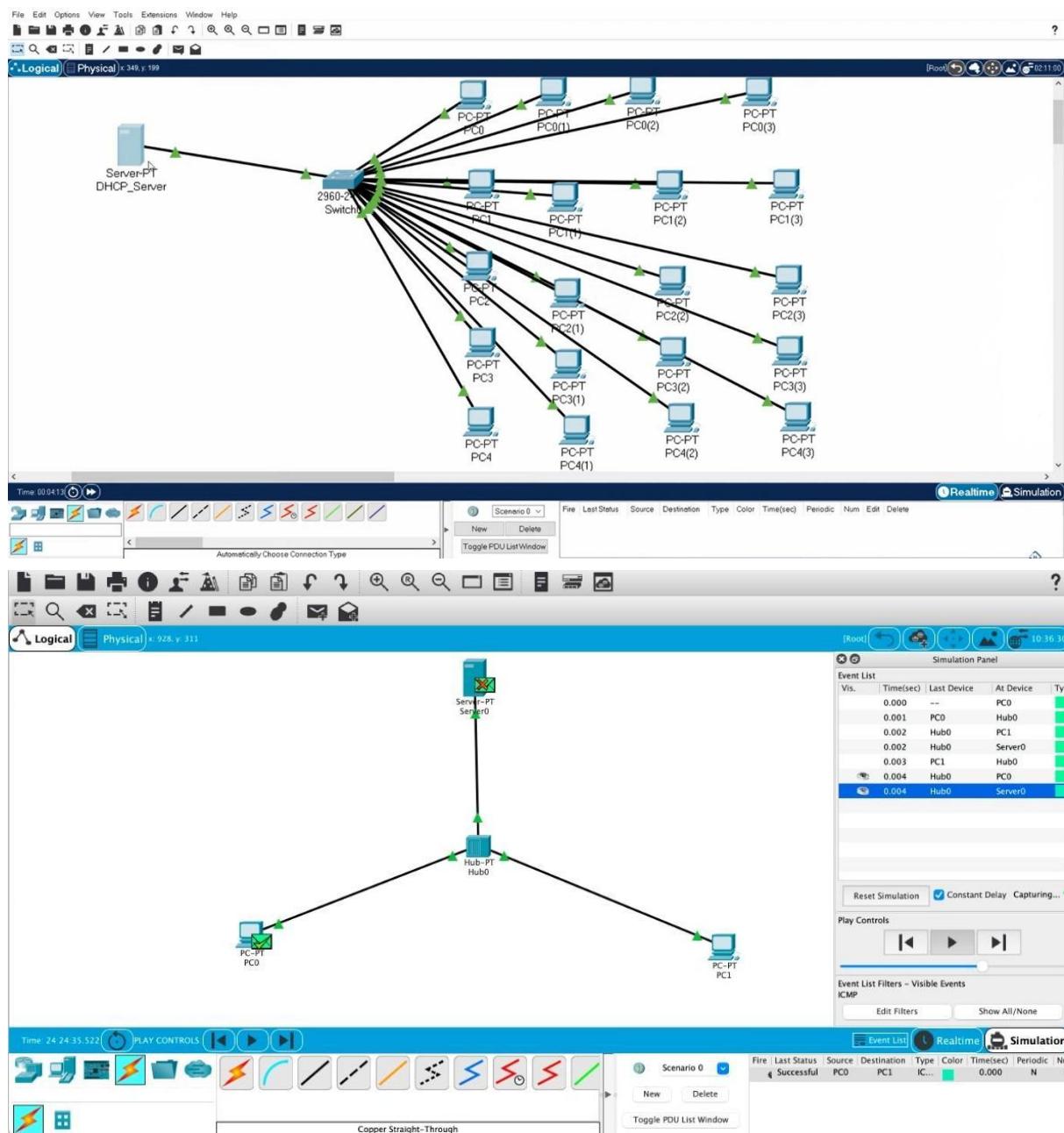


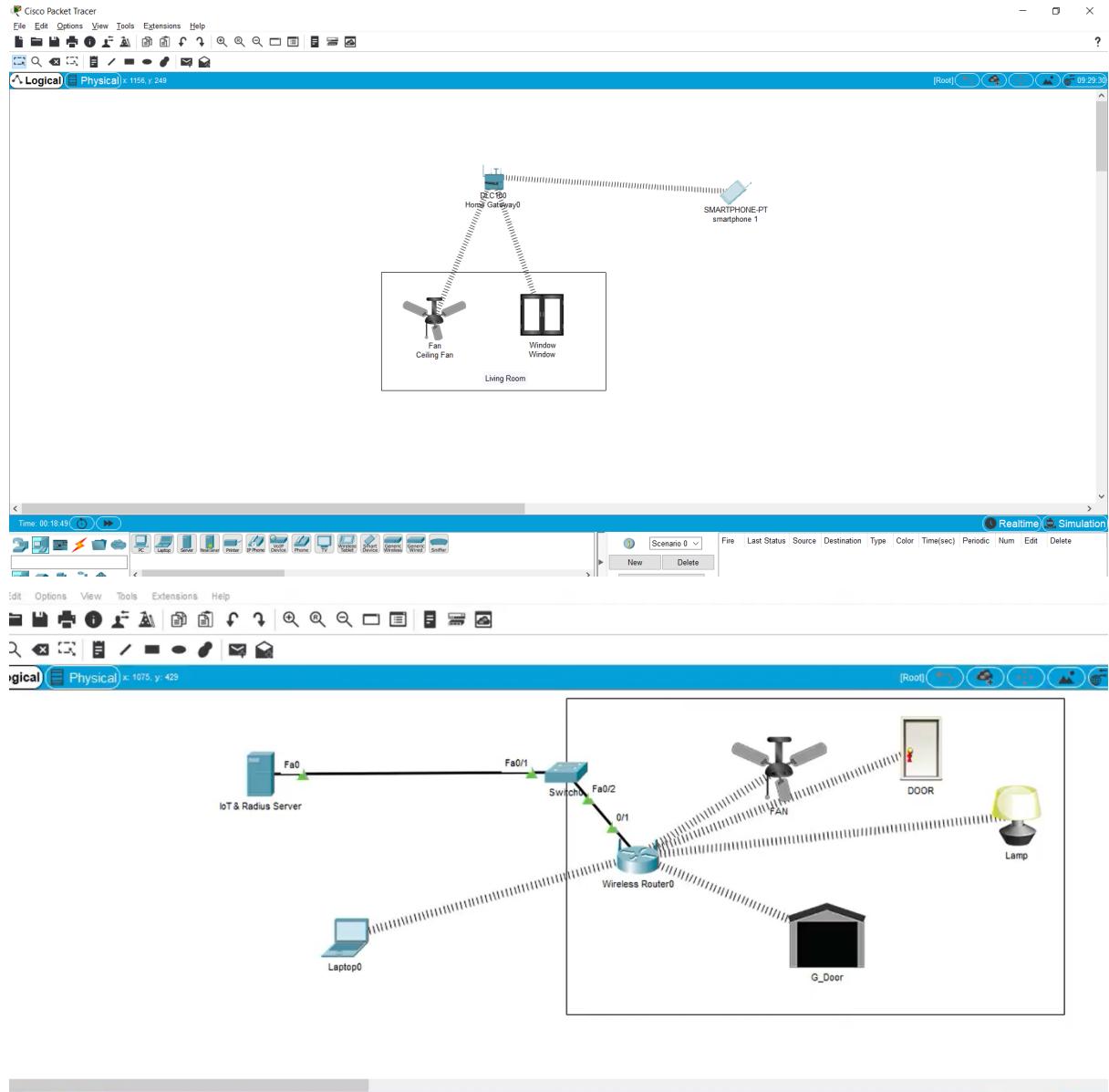












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Filter: icmp Expression... Clear Apply Save

No.	Time	Source	Destination	Length	Info
583	8.246307000	192.168.1.100	8.8.8.8	74	Echo (ping) request id=0x0001, seq=5/1280, ttl=128 (reply in 584)
584	8.272879000	8.8.8.8	192.168.1.100	74	Echo (ping) reply id=0x0001, seq=5/1280, ttl=44 (request in 583)
585	9.246995000	192.168.1.100	8.8.8.8	74	Echo (ping) request id=0x0001, seq=6/1536, ttl=128 (reply in 586)
586	9.273258000	8.8.8.8	192.168.1.100	74	Echo (ping) reply id=0x0001, seq=6/1536, ttl=44 (request in 585)
595	10.247960000	192.168.1.100	8.8.8.8	74	Echo (ping) request id=0x0001, seq=7/1792, ttl=128 (reply in 596)
596	10.274468000	8.8.8.8	192.168.1.100	74	Echo (ping) reply id=0x0001, seq=7/1792, ttl=44 (request in 595)
603	11.248925000	192.168.1.100	8.8.8.8	74	Echo (ping) request id=0x0001, seq=8/2048, ttl=128 (reply in 604)
604	11.275518000	8.8.8.8	192.168.1.100	74	Echo (ping) reply id=0x0001, seq=8/2048, ttl=44 (request in 603)

Frame 583: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface 0
 Ethernet II, Src: Asiarock_ec:ee:ab (00:19:66:ec:ee:ab), Dst: Cisco-Li_80:56:0d (00:22:6b:80:56:0d)
 Internet Protocol Version 4, Src: 192.168.1.100 (192.168.1.100), Dst: 8.8.8.8 (8.8.8.8)
 Internet Control Message Protocol

```
0000 00000000 00100010 01101011 10000000 01010110 00001101 00000000 000111001 : "k.V...  

0008 01100110 11101100 11101110 10101011 00001000 00000000 01000101 00000000 f....E.  

0010 00000000 00111100 00010000 00101000 00000000 00000000 10000000 00000001 .<(...  

0018 01011000 01111101 11000000 10101000 00000001 01100100 00001000 00001000 X}...d..  

0020 00001000 00001000 00001000 00000000 01001101 01010110 00000000 00000001 ...MV..  

0028 00000000 00000101 01100001 01100010 01100011 01100100 01100101 01100110 ..abcdef  

0030 01100111 01101000 01101001 01101010 01101011 01101100 01101110 01101111 ghijklmn  

0038 01101000 01100001 01100001 01100010 01100011 01100100 01100101 01100110 opqrstuv  

0040 01101011 01100001 01100010 01100011 01100100 01100101 01100110 01100111 wabcdefg  

0048 01101000 01101001 hi
```

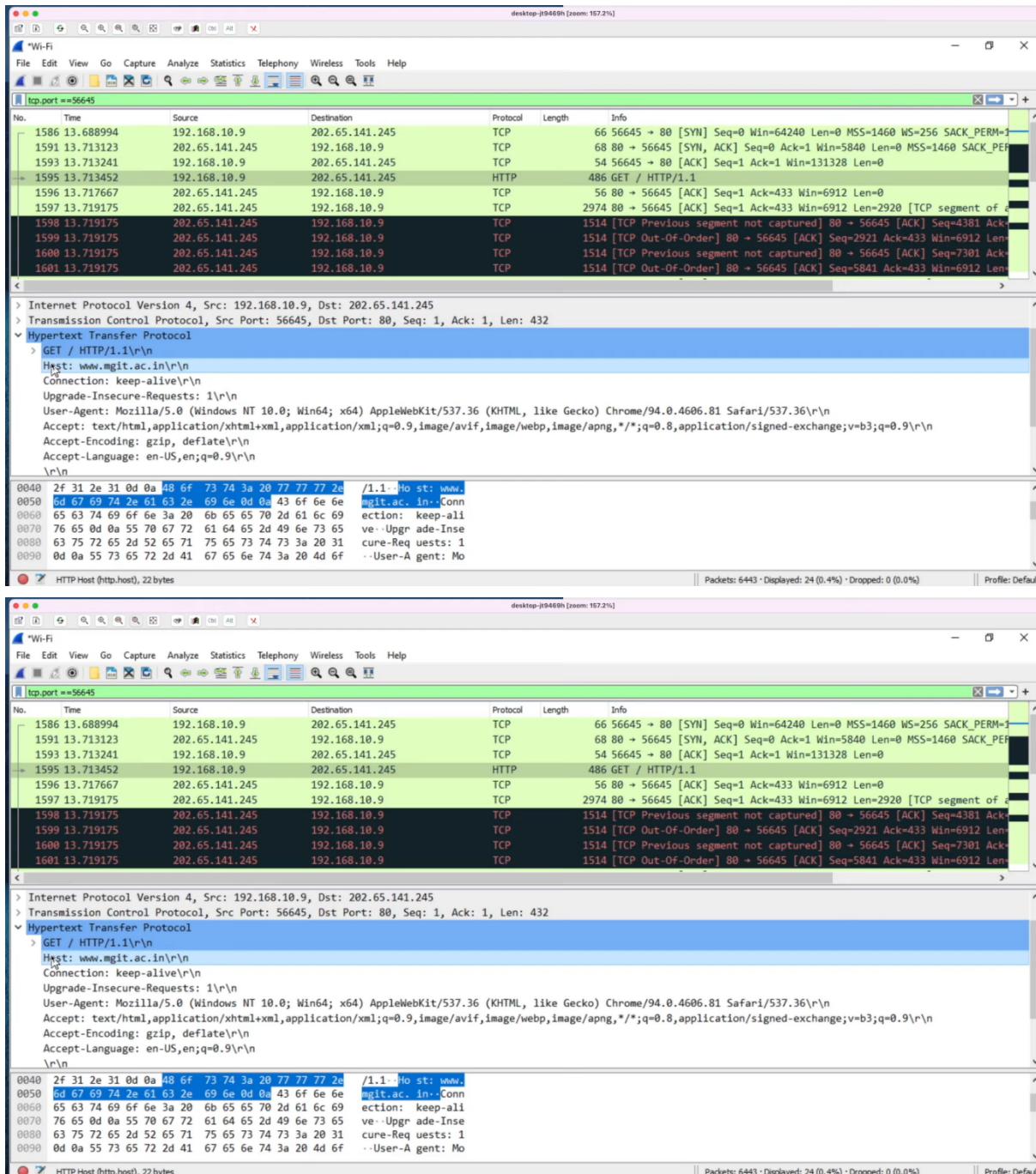
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

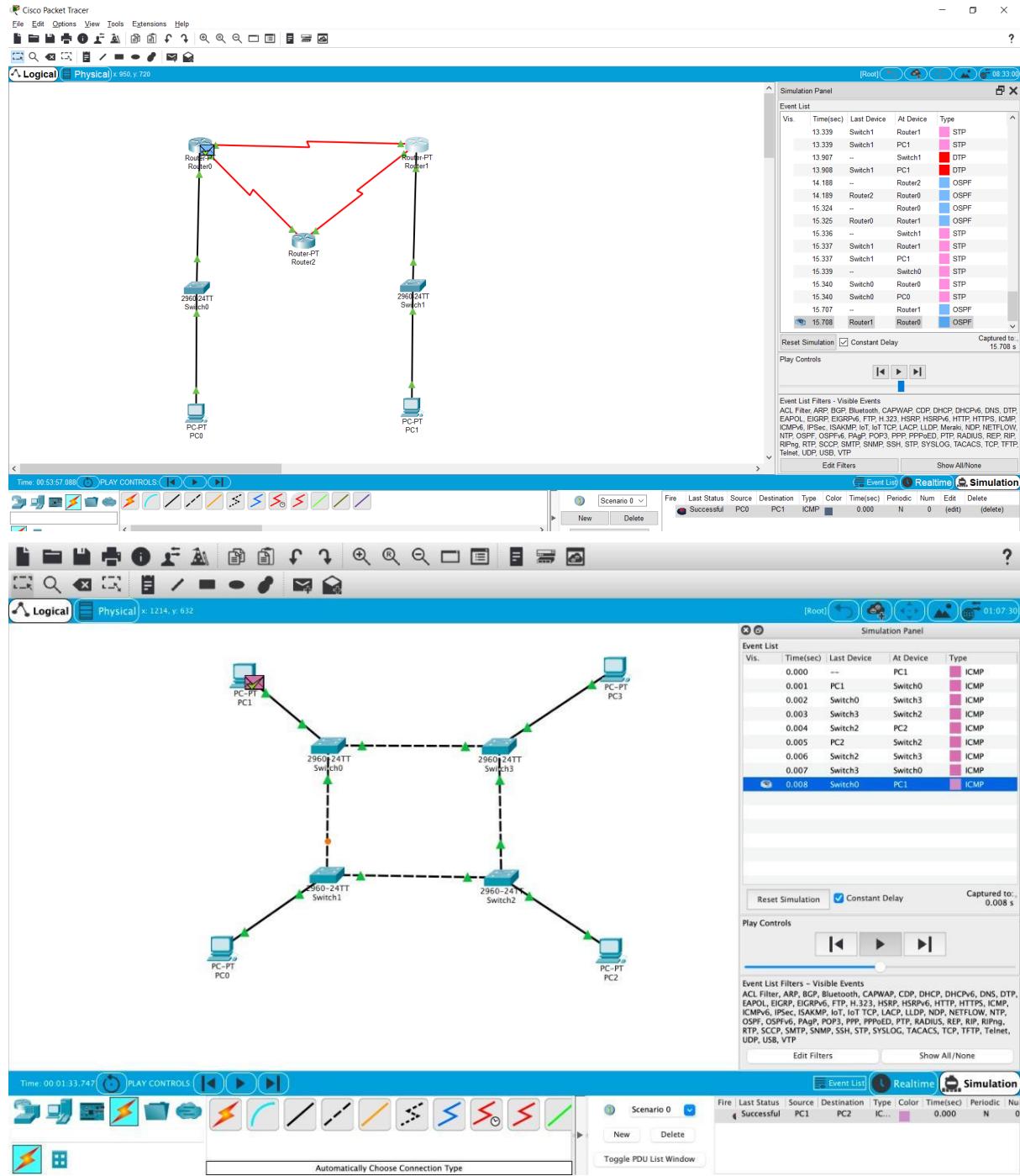
Filter: icmp Expression... +

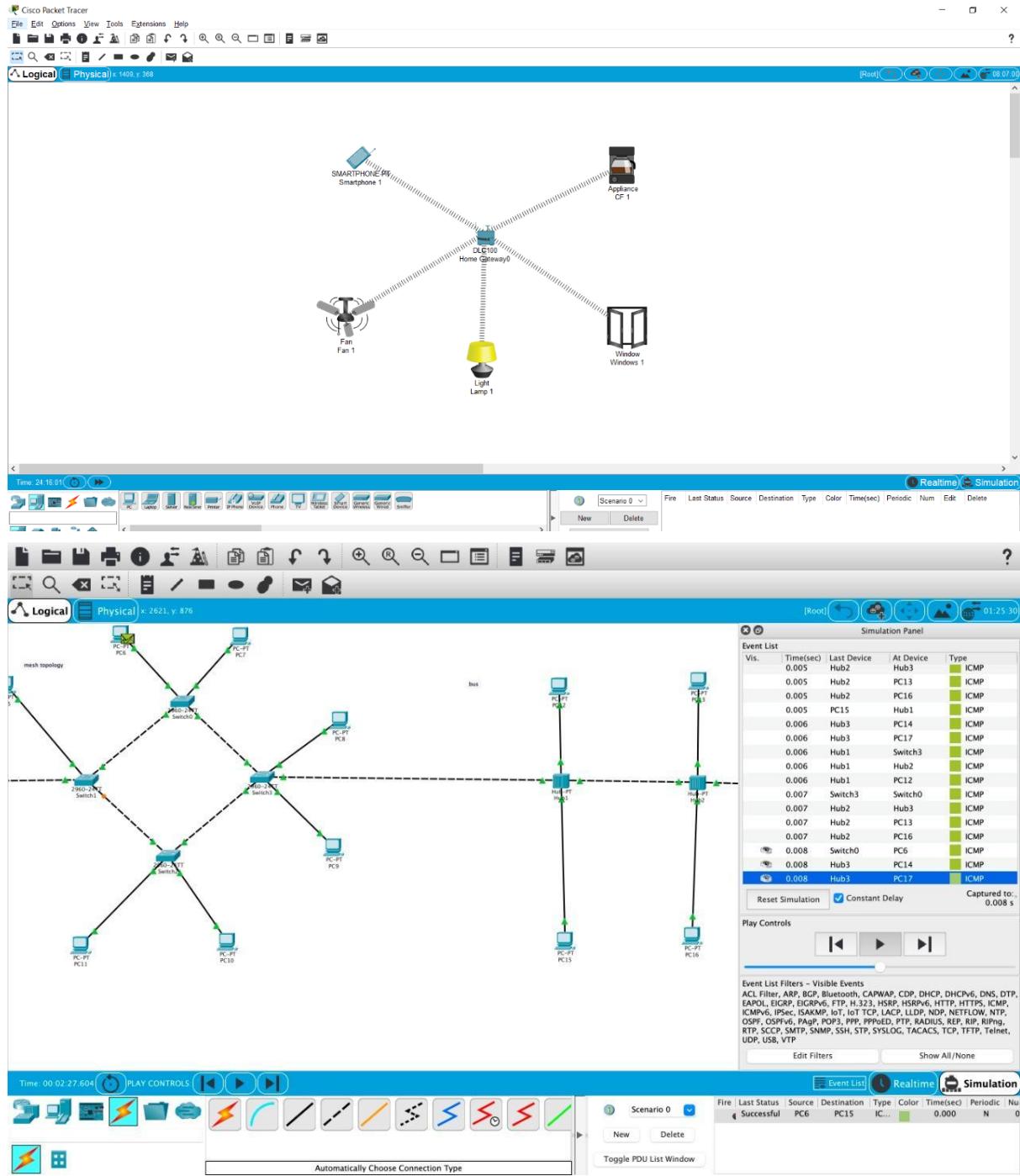
No.	Day	Time	Source	Destination	Length	Protocol	Info
-		53	6.692	192.168.1.6	www.google.com	74	ICMP Echo (ping) request id=0x0001, seq=6/1536, ttl=128 (reply in 54)
-		54	6.704	www.google.com	192.168.1.6	74	ICMP Echo (ping) reply id=0x0001, seq=6/1536, ttl=55 (request in 53)
-		70	7.700	192.168.1.6	www.google.com	74	ICMP Echo (ping) request id=0x0001, seq=7/1792, ttl=128 (reply in 71)
-		71	7.721	www.google.com	192.168.1.6	74	ICMP Echo (ping) reply id=0x0001, seq=7/1792, ttl=55 (request in 70)
-		84	8.719	192.168.1.6	www.google.com	74	ICMP Echo (ping) request id=0x0001, seq=8/2048, ttl=128 (reply in 85)
-		85	8.731	www.google.com	192.168.1.6	74	ICMP Echo (ping) reply id=0x0001, seq=8/2048, ttl=55 (request in 84)
-		89	9.750	192.168.1.6	www.google.com	74	ICMP Echo (ping) request id=0x0001, seq=9/2304, ttl=128 (reply in 90)
-		90	9.768	www.google.com	192.168.1.6	74	ICMP Echo (ping) reply id=0x0001, seq=9/2304, ttl=55 (request in 89)

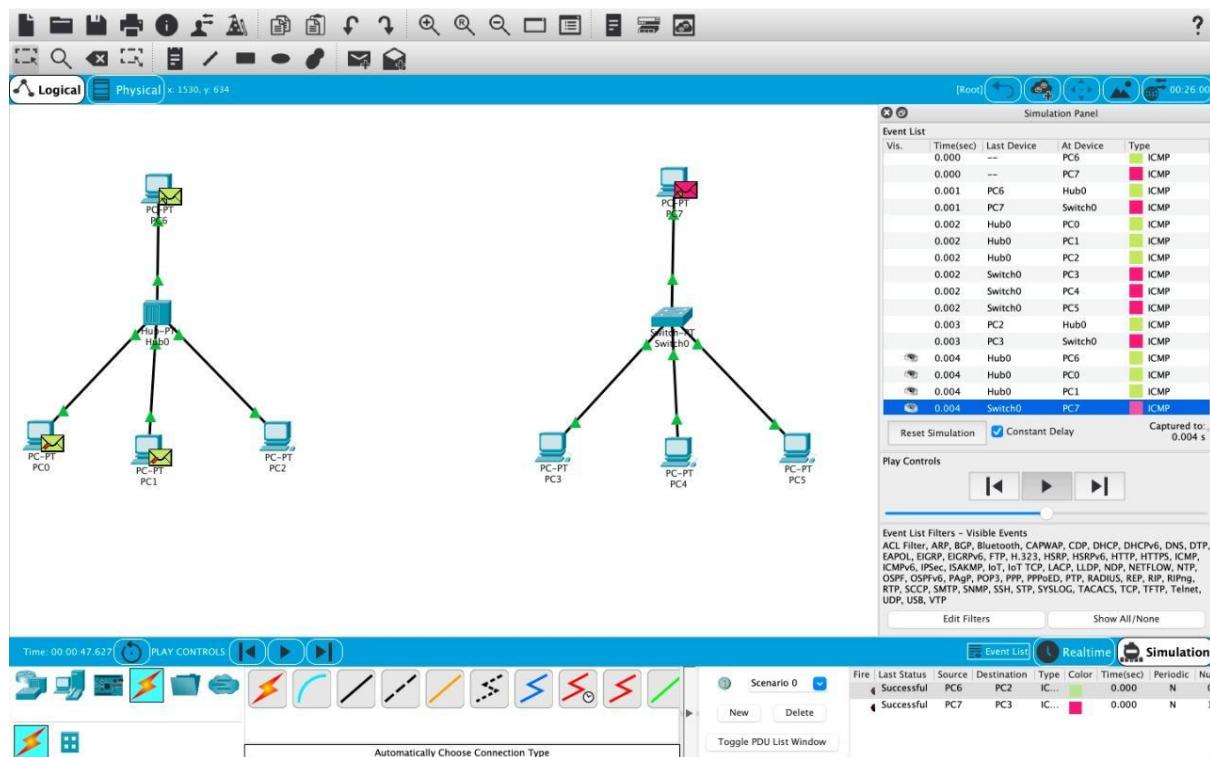
Frame 53: 74 bytes on wire (592 bits), 74 bytes captured (592 bits) on interface 0
 Ethernet II, Src: IntelCor_8c:ce:77 (5c:e8:c5:8c:ce:77), Dst: BestIwto_56:14:c0 (00:1e:a6:56:14:c0)
 Internet Protocol Version 4, Src: 192.168.1.6 (192.168.1.6), Dst: www.google.com (172.217.167.132)
 Internet Control Message Protocol

0000 00 1e a6 56 14
0010 00 3c 1e e1 00
0020 a7 84 08 00 40
0030 67 68 69 6a 6b
0040 77 61 62 63 64









File Edit Options View Tools Extensions Help

Logical Physical

```

main.c
1 #include <stdio.h>
2 int main() {
3     char data[20], stuffedData[30];
4     int i, j, count;
5     printf("Enter the data: ");
6     scanf("%s", data);
7     i = 0;
8     j = 0;
9     count = 0;
10    while (data[i] != '\0') {
11        stuffedData[j] = data[i];
12        if (data[i] == '1') {
13            count++;
14        } else {
15            count = 0;
16        }
17        if (count == 5) {
18            stuffedData[++j] = '0';
19            count = 0;
20        }
21        i++;
22        j++;
23    }
24    stuffedData[j] = '\0';
25    printf("Original Data: %s\n", data);
26    printf("After Bit stuffing: %s\n", stuffedData);
27    return 0;
}

```

Output

```

/ttmp/TSvhdiVgLr.o
Enter the data: 1011111100110
Original Data: 1011111100110
After Bit stuffing: 101111110100110

```

