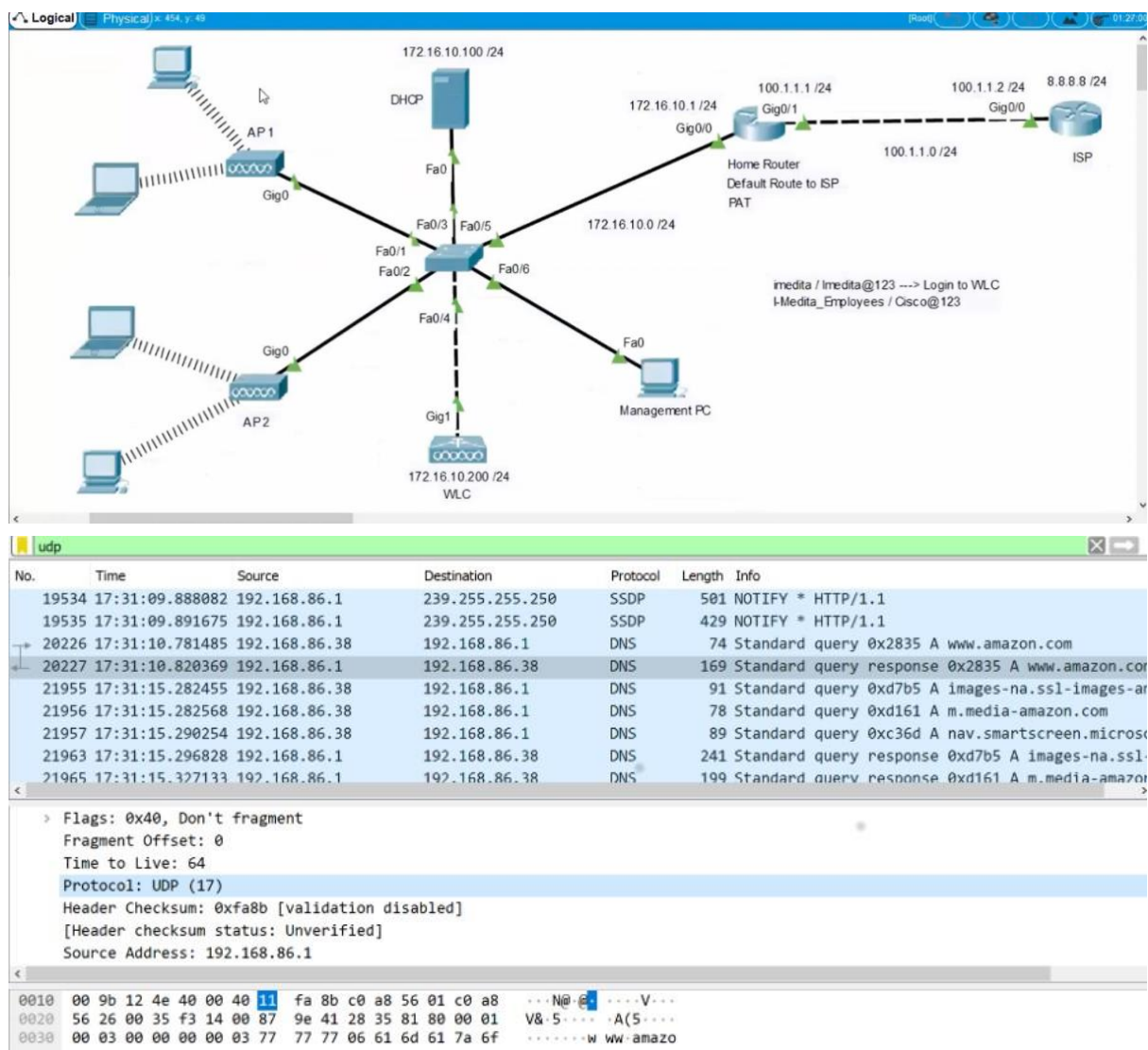


192211072



Wi-Fi (tcp)

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp.port == 80 || udp.port == 80

| No. | Time | Source | Destination | Protocol | Length | Info |
|-------|-----------|-----------------------|-----------------------|----------|--------|---|
| 17272 | 21.927576 | 192.168.121.176 | 8.241.166.252 | TCP | 373 | [TCP Retransmission] 54114 → 80 [PSH, ACK] Seq=18150 Ack=768517 Min=2767 Len=319 |
| 17274 | 24.267681 | 2401:4900:629f:5243:: | 2001:1900:2362:f::1 | TCP | 393 | [TCP Retransmission] 54113 → 80 [PSH, ACK] Seq=18150 Ack=7520776 Min=4156 Len=319 |
| 17275 | 24.268754 | 2401:4900:629f:5243:: | 2001:1900:2381:200d:: | TCP | 393 | [TCP Retransmission] 54120 → 80 [PSH, ACK] Seq=17829 Ack=7480171 Min=2532 Len=319 |
| 17276 | 24.330941 | 192.168.121.176 | 8.241.166.252 | TCP | 373 | [TCP Retransmission] 54114 → 80 [PSH, ACK] Seq=18150 Ack=768517 Min=2767 Len=319 |
| 17277 | 25.050442 | 2401:4900:629f:5243:: | 2001:1900:2362:f::1 | TCP | 74 | 54113 → 80 [RST, ACK] Seq=18469 Ack=7520776 Min=0 Len=0 |

[Checksum Status: Unverified]
Urgent Pointer: 0
> [Timestamps]
> [SEQ/ACK analysis]
TCP payload (319 bytes)
Retransmitted TCP segment data (319 bytes)

```
0000 fa cb 2e 30 af b8 cc 2f 71 8e b7 ff 08 00 45 00 --,0.../q....E
0010 01 67 96 b3 40 00 80 06 78 97 c0 a8 79 b0 08 f1 g.@...x...y...
0020 a5 fc d3 62 00 50 fe c0 fd 04 91 a4 57 00 50 18 ...bP...W.P...
0030 0a cf 06 25 00 00 47 45 54 20 2f 70 72 2f 34 39 ...%GE T /pr/49
0040 32 33 35 30 66 36 2d 33 61 30 31 2d 34 66 39 37 2350f6-3 a01-4f97
0050 2d 62 39 63 30 2d 63 37 63 36 64 64 66 36 37 64 -b9c0-c7 c6ddf67d
0060 36 30 2f 4f 66 66 69 63 65 2f 44 61 74 61 2f 31 60/Offic e/Data/1
0070 36 2e 30 2e 31 35 39 32 38 2e 32 30 32 31 36 2f 6.0.1592 8.28216/
0080 73 74 72 65 61 6d 2e 78 36 34 2e 78 2d 6e 6f 6e stream.x 64.x-non
0090 65 2e 64 61 74 20 48 54 54 50 2f 31 2e 31 0d 0a e.dat HT TP/1.1..
00a0 43 6f 6e 6e 65 63 74 69 6f 6e 3a 20 4b 65 65 70 Connection: Keep
00b0 2d 41 6c 69 76 65 0d 0a 41 63 63 65 70 74 3a 20 -Alive- Accept:
00c0 2a 2f 2a 0d 0a 52 61 6e 67 65 3a 00 62 79 74 65 */*-Ban ge: byte
00d0 73 3d 31 37 32 39 31 30 31 38 32 34 2d 31 37 32 s=172910 1824-172
00e0 39 32 33 32 38 39 35 0d 0a 55 73 65 72 2d 41 67 9232895 -User-Ag
00f0 65 6e 74 3a 20 4d 69 63 72 6f 73 6f 66 74 2d 44 ent: Mic rosoft-D
0100 65 6c 69 76 65 72 79 2d 4f 70 74 69 6d 69 7a 61 elivery-Optimiza
0110 74 69 6f 6e 2f 31 30 2e 30 0d 0a 4d 53 2d 43 56 tion/10. 0 _MS-CV
0120 3a 20 4e 66 43 55 72 6d 4d 4c 6d 45 2b 56 65 77 : NFCLrm HLM+Vew
0130 4a 72 2e 32 2e 37 2e 35 2e 31 2e 31 33 33 34 0d Jr.2.7.5 .1.1334
0140 0a 43 6f 6e 74 65 6e 74 2d 4c 65 6e 67 74 68 3a Content -length:
0150 20 30 0d 0a 48 6f 73 74 3a 20 62 2e 63 32 72 2e 0 Host : b.c.c.r.
0160 74 73 2e 63 64 6e 2e 6f 66 66 69 63 65 2e 6e 65 ts.cdn.o fface.ne
0170 74 0d 0a 0d 0a t----
```

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 1076 x 728

Simulation Panel

| Vis. | Time(sec) | Last Device | At Device | Type |
|-------|-----------|-------------|-----------|------|
| 0.001 | 0.001 | PC1 | Switch0 | ARP |
| 0.001 | 0.001 | PC0 | Switch0 | ARP |
| 0.002 | 0.002 | Switch0 | Switch0 | ARP |
| 0.002 | 0.002 | Switch0 | Server0 | ARP |
| 0.002 | 0.002 | Switch0 | PC0 | ARP |
| 0.002 | 0.002 | Switch0 | PC2 | ARP |
| 0.002 | 0.002 | Switch0 | PC1 | ARP |
| 0.002 | 0.002 | Switch0 | PC3 | ARP |
| 0.002 | 0.002 | Switch0 | Switch0 | ARP |
| 0.003 | 0.003 | Switch0 | Server0 | ARP |
| 0.003 | 0.003 | Switch0 | PC2 | ARP |
| 0.003 | 0.003 | Switch0 | PC3 | ARP |
| 0.003 | 0.003 | PC1 | Switch0 | ARP |
| 0.004 | 0.004 | Switch0 | PC0 | ARP |
| 0.004 | 0.004 | PC0 | 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, Ping, PING, PPP, PPPoE, PTP, RADIUS, RDP, RDPv6, RTP, SCCP, SMTP, SNMP, SSH, STP, Syslog, TACACS, TCP, Telnet, Telnetv6, UDP, USB, VTP

Edit Filters Show All/None

Scenario 0

New Delete

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

In Progress PC0 PC1 ICMP 0.000 N 0 (edit) (delete)

Cisco Packet Tracer

File Edit Options View Tools Extensions Help

Logical Physical x 1076 x 728

Simulation Panel

Event List

| Vis. | Time(sec) | Last Device | At Device | Type |
|-------|-----------|-------------|-----------|------|
| 0.001 | PC1 | Switch0 | ARP | |
| 0.001 | PC0 | Switch0 | ARP | |
| 0.002 | - | Switch0 | ARP | |
| 0.002 | - | Switch0 | ARP | |
| 0.002 | Switch0 | Server0 | ARP | |
| 0.002 | Switch0 | PC0 | ARP | |
| 0.002 | Switch0 | PC2 | ARP | |
| 0.002 | Switch0 | PC3 | ARP | |
| 0.002 | Switch0 | PC1 | ARP | |
| 0.002 | - | Switch0 | ARP | |
| 0.003 | Switch0 | Server0 | ARP | |
| 0.003 | Switch0 | PC2 | ARP | |
| 0.003 | Switch0 | PC3 | ARP | |
| 0.003 | PC1 | 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, 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, Ping, PCP, PPP, PPPoE, 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: 00:12:03.811 PLAY CONTROLS

Scenario 0

New Delete

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

In Progress PC0 PC1 ICMP 0.000 N 0 (edit) (delete)

Cisco Packet Tracer - C:\Users\Nithin\Documents\Computer Networks\Subnetting.pkt

File Edit Options View Tools Extensions Help

Logical Physical x 912 x 5

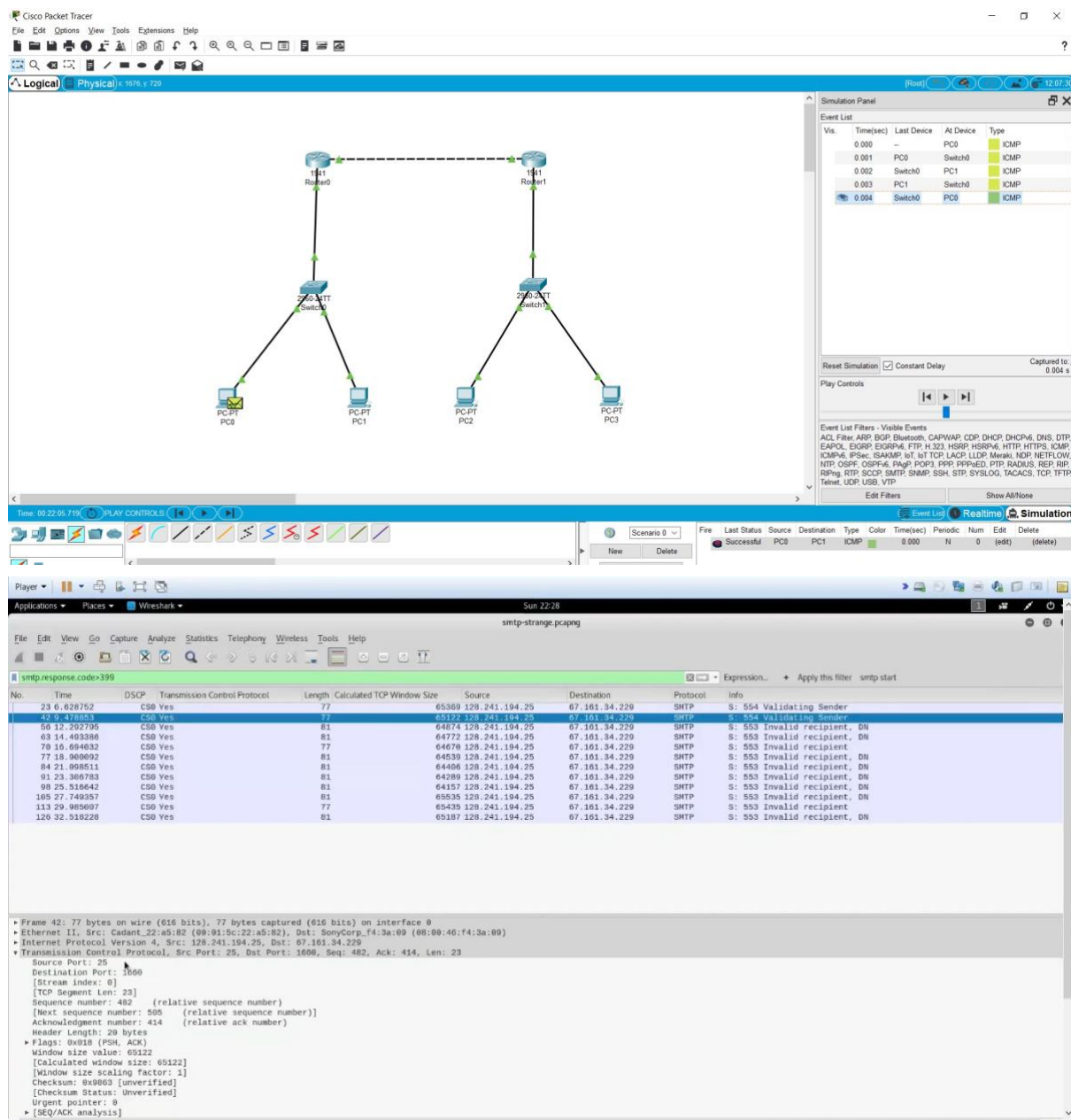
Time: 00:00:01

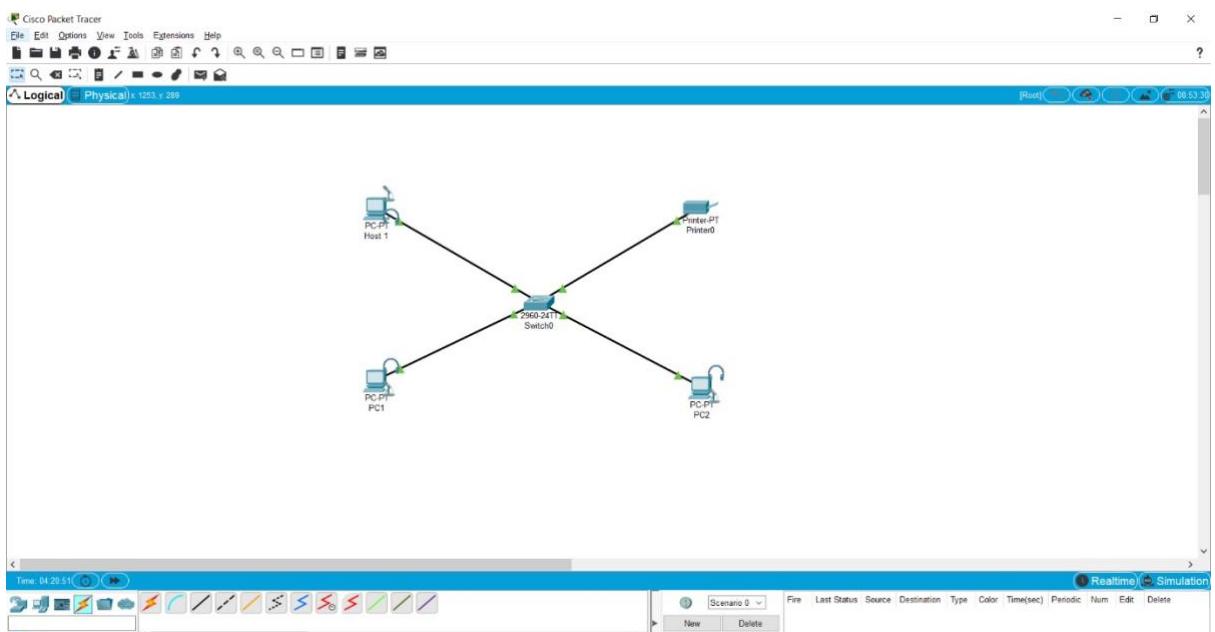
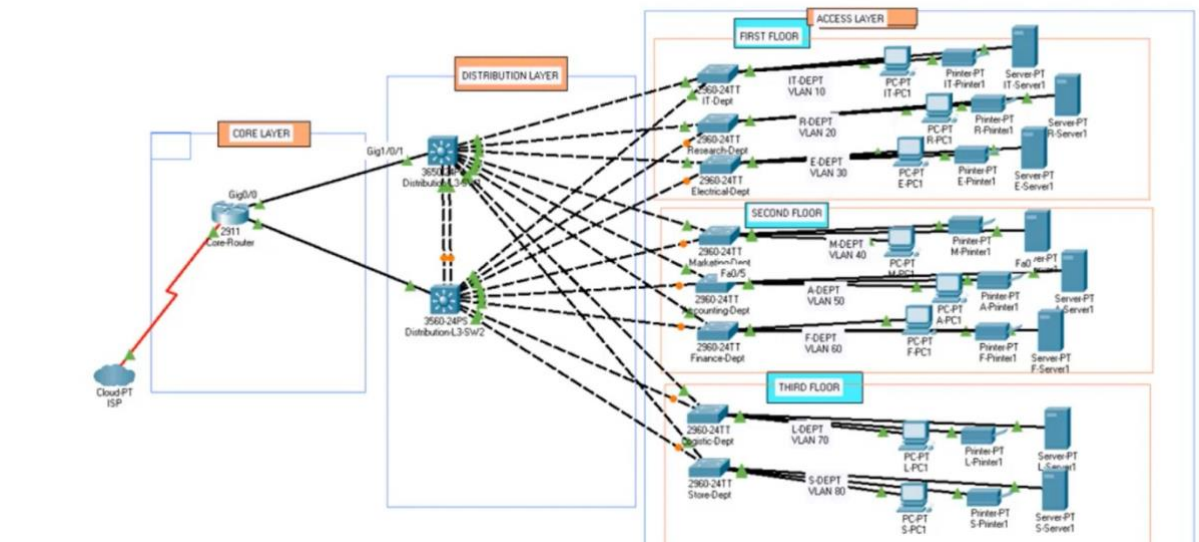
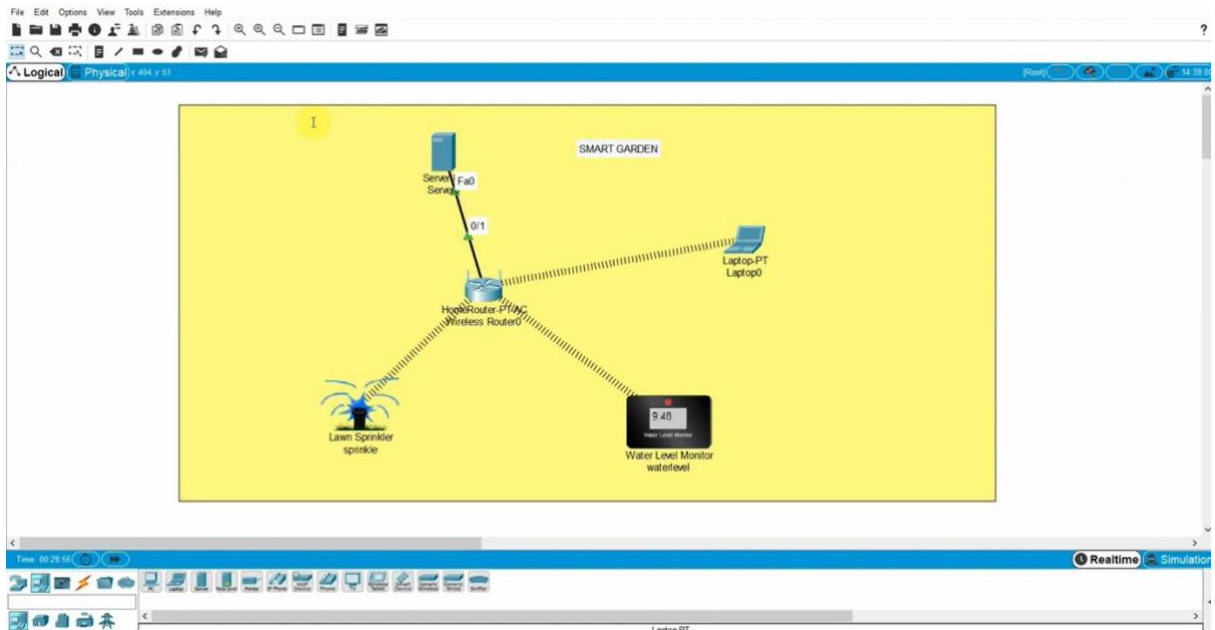
Scenario 0

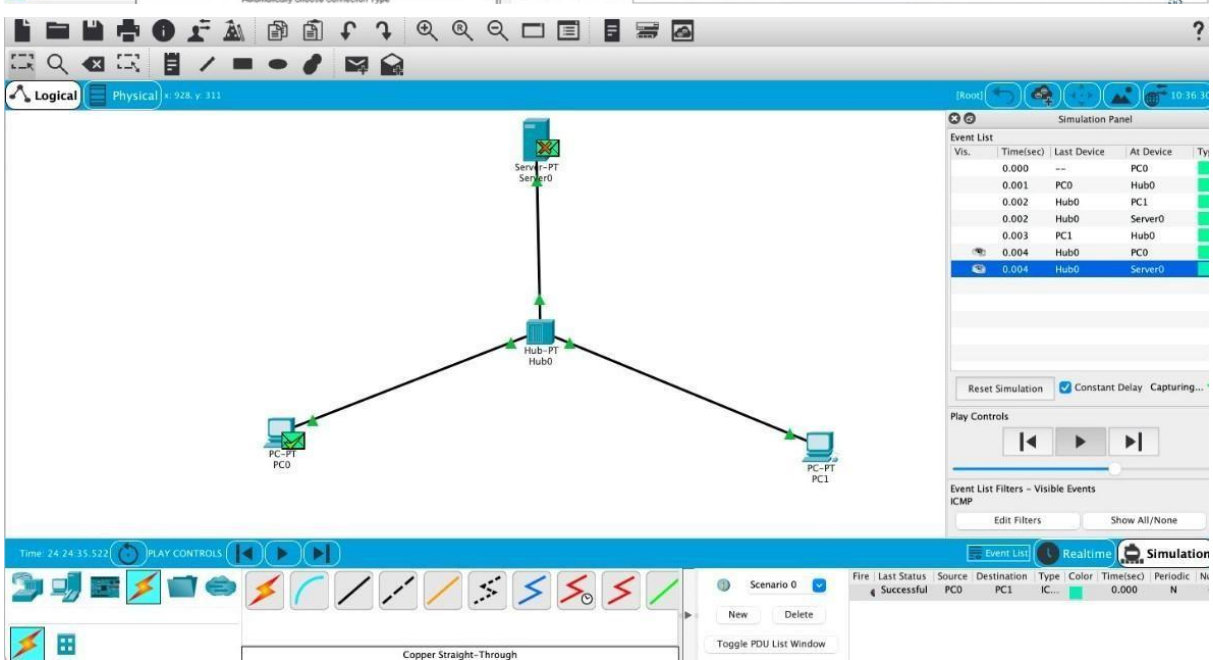
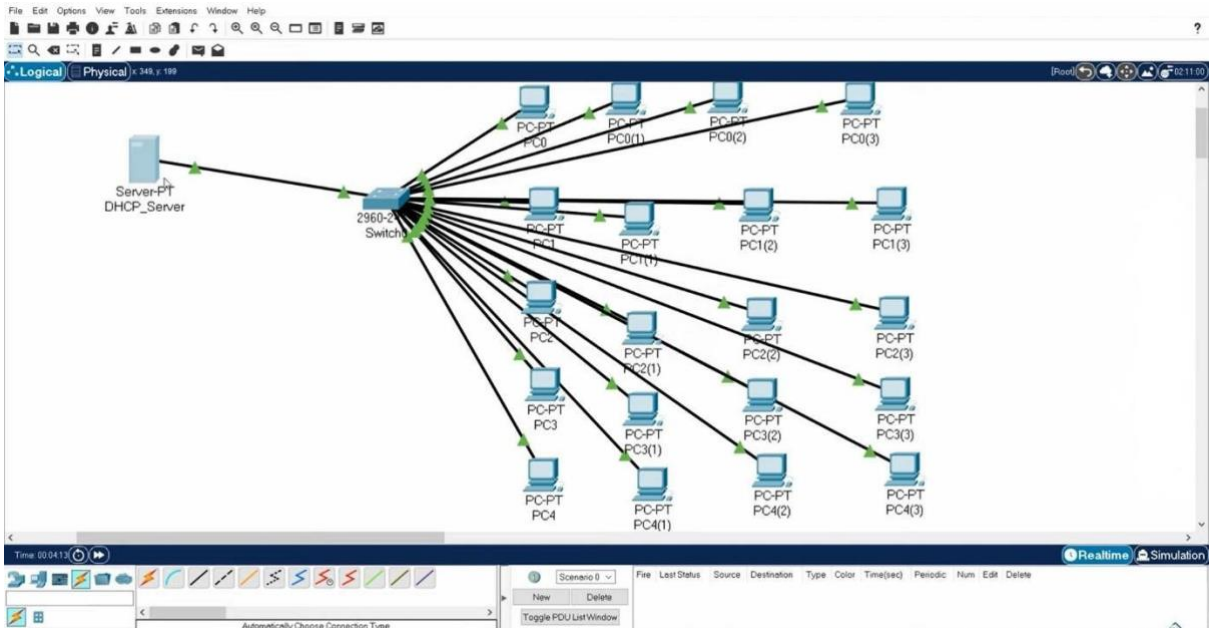
New Delete

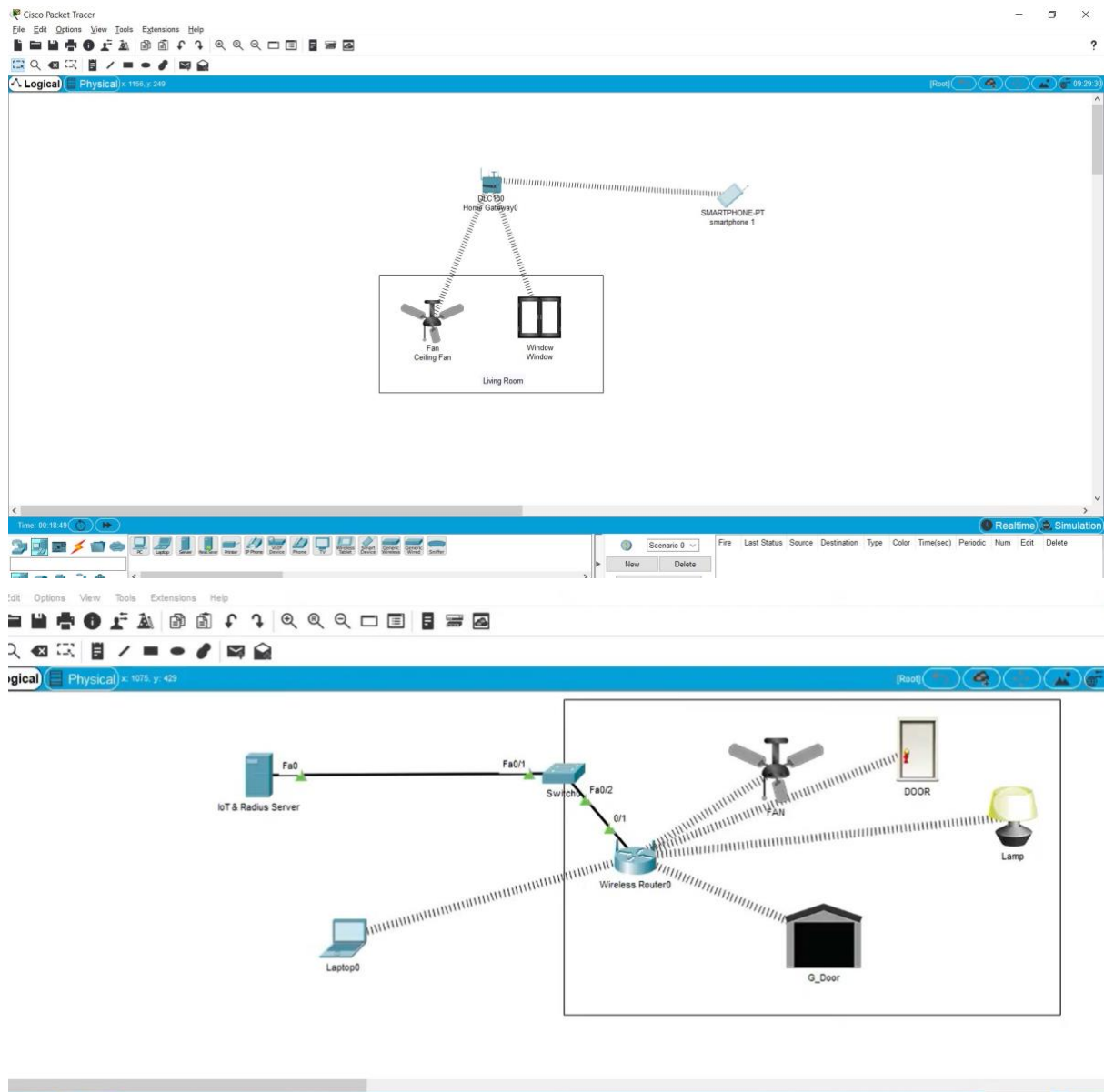
Fire Last Status Source Destination Type Color Time(sec) Periodic Num Edit Delete

Realtime Simulation









| File Edit View Go Capture Analyze Statistics Telephony Tools Internals Help | | | | | | |
|---|--------------|---------------|---------------|--------|---------------------|--|
| 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 00011001  ."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 01101101 01101110  ghijklmn
0038 01101111 01110000 01110001 01110010 01110011 01110100 01110101 01110110  opqrstuv
0040 01110111 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 (Src: 08:00:0c:8c:ce:77), Dst: BestItwo_56:14:c0 (08:01:ea: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 0e
0020 a7 84 08 00 4c
0030 67 68 69 6a 6t
0040 77 61 62 63 64
  
```


Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp.port == 56645

| No. | Time | Source | Destination | Protocol | Length | Info |
|------|-----------|----------------|----------------|----------|--------|--|
| 1586 | 13.688994 | 192.168.10.9 | 202.65.141.245 | TCP | 66 | 56645 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 1591 | 13.713123 | 202.65.141.245 | 192.168.10.9 | TCP | 68 | 80 → 56645 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SACK_PERM=1 |
| 1593 | 13.713241 | 192.168.10.9 | 202.65.141.245 | TCP | 54 | 56645 → 80 [ACK] Seq=1 Ack=1 Win=131328 Len=0 |
| 1595 | 13.713452 | 192.168.10.9 | 202.65.141.245 | HTTP | 486 | GET / HTTP/1.1 |
| 1596 | 13.717667 | 202.65.141.245 | 192.168.10.9 | TCP | 56 | 80 → 56645 [ACK] Seq=1 Ack=433 Win=6912 Len=0 |
| 1597 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 2974 | 80 → 56645 [ACK] Seq=1 Ack=433 Win=6912 Len=2920 [TCP segment of a stream ...] |
| 1598 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 1514 | [TCP Previous segment not captured] 80 → 56645 [ACK] Seq=4381 Ack=433 |
| 1599 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 1514 | [TCP Out-Of-Order] 80 → 56645 [ACK] Seq=2921 Ack=433 Win=6912 Len=0 |
| 1600 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 1514 | [TCP Previous segment not captured] 80 → 56645 [ACK] Seq=7301 Ack=433 |
| 1601 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 1514 | [TCP Out-Of-Order] 80 → 56645 [ACK] Seq=5841 Ack=433 Win=6912 Len=0 |

< >

> Internet Protocol Version 4, Src: 192.168.10.9, Dst: 202.65.141.245

> Transmission Control Protocol, Src Port: 56645, Dst Port: 80, Seq: 1, Ack: 1, Len: 432

> Hypertext Transfer Protocol

> GET / HTTP/1.1\r\n

Host: www.mgit.ac.in\r\n

Connection: keep-alive\r\n

Upgrade-Insecure-Requests: 1\r\n

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81 Safari/537.36\r\n

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9\r\n

Accept-Encoding: gzip, deflate\r\n

Accept-Language: en-US,en;q=0.9\r\n

\r\n

0040 2f 31 2e 31 0d 0a 18 6f 73 74 3a 20 77 77 77 2e /1.1.1 to st: www

0050 6d 67 69 74 2e 61 63 2e 69 6e 0d 0a 43 6f 6e 6e mgit.ac.in Conn

0060 65 63 74 69 6f 6e 3a 20 6b 65 65 70 2d 61 6c 69 ection: keep-all

0070 76 65 0d 0a 55 70 67 72 61 64 65 2d 49 6e 73 65 ve Upgr ade-Inse

0080 63 75 72 65 2d 52 65 71 75 65 73 74 73 3a 20 31 cure-Req uests: 1

0090 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d 6f -User-A gent: Mo

HTTP Host (http.host), 22 bytes

Packets: 6443 · Displayed: 24 (0.4%) · Dropped: 0 (0.0%)

Profile: Default

Wi-Fi

File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help

tcp.port == 56645

| No. | Time | Source | Destination | Protocol | Length | Info |
|------|-----------|----------------|----------------|----------|--------|--|
| 1586 | 13.688994 | 192.168.10.9 | 202.65.141.245 | TCP | 66 | 56645 → 80 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_PERM=1 |
| 1591 | 13.713123 | 202.65.141.245 | 192.168.10.9 | TCP | 68 | 80 → 56645 [SYN, ACK] Seq=0 Ack=1 Win=5840 Len=0 MSS=1460 SACK_PERM=1 |
| 1593 | 13.713241 | 192.168.10.9 | 202.65.141.245 | TCP | 54 | 56645 → 80 [ACK] Seq=1 Ack=1 Win=131328 Len=0 |
| 1595 | 13.713452 | 192.168.10.9 | 202.65.141.245 | HTTP | 486 | GET / HTTP/1.1 |
| 1596 | 13.717667 | 202.65.141.245 | 192.168.10.9 | TCP | 56 | 80 → 56645 [ACK] Seq=1 Ack=433 Win=6912 Len=0 |
| 1597 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 2974 | 80 → 56645 [ACK] Seq=1 Ack=433 Win=6912 Len=2920 [TCP segment of a stream ...] |
| 1598 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 1514 | [TCP Previous segment not captured] 80 → 56645 [ACK] Seq=4381 Ack=433 |
| 1599 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 1514 | [TCP Out-Of-Order] 80 → 56645 [ACK] Seq=2921 Ack=433 Win=6912 Len=0 |
| 1600 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 1514 | [TCP Previous segment not captured] 80 → 56645 [ACK] Seq=7301 Ack=433 |
| 1601 | 13.719175 | 202.65.141.245 | 192.168.10.9 | TCP | 1514 | [TCP Out-Of-Order] 80 → 56645 [ACK] Seq=5841 Ack=433 Win=6912 Len=0 |

< >

> Internet Protocol Version 4, Src: 192.168.10.9, Dst: 202.65.141.245

> Transmission Control Protocol, Src Port: 56645, Dst Port: 80, Seq: 1, Ack: 1, Len: 432

> Hypertext Transfer Protocol

> GET / HTTP/1.1\r\n

Host: www.mgit.ac.in\r\n

Connection: keep-alive\r\n

Upgrade-Insecure-Requests: 1\r\n

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/94.0.4606.81 Safari/537.36\r\n

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9\r\n

Accept-Encoding: gzip, deflate\r\n

Accept-Language: en-US,en;q=0.9\r\n

\r\n

0040 2f 31 2e 31 0d 0a 18 6f 73 74 3a 20 77 77 77 2e /1.1.1 to st: www

0050 6d 67 69 74 2e 61 63 2e 69 6e 0d 0a 43 6f 6e 6e mgit.ac.in Conn

0060 65 63 74 69 6f 6e 3a 20 6b 65 65 70 2d 61 6c 69 ection: keep-all

0070 76 65 0d 0a 55 70 67 72 61 64 65 2d 49 6e 73 65 ve Upgr ade-Inse

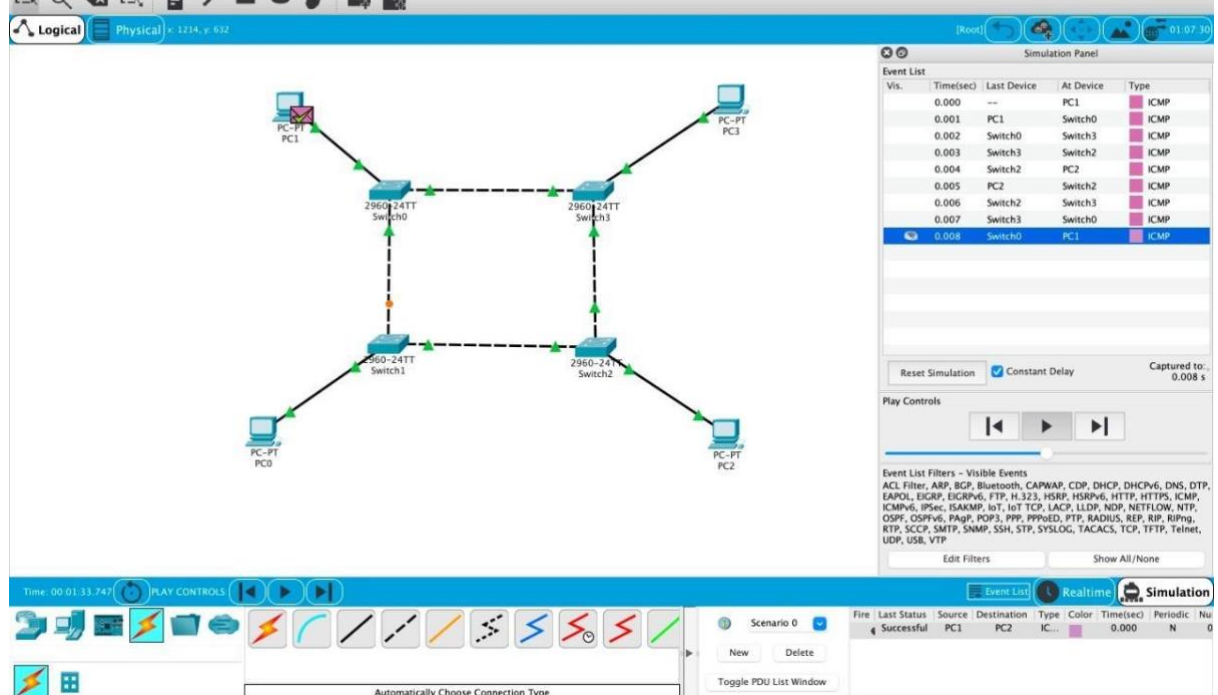
0080 63 75 72 65 2d 52 65 71 75 65 73 74 73 3a 20 31 cure-Req uests: 1

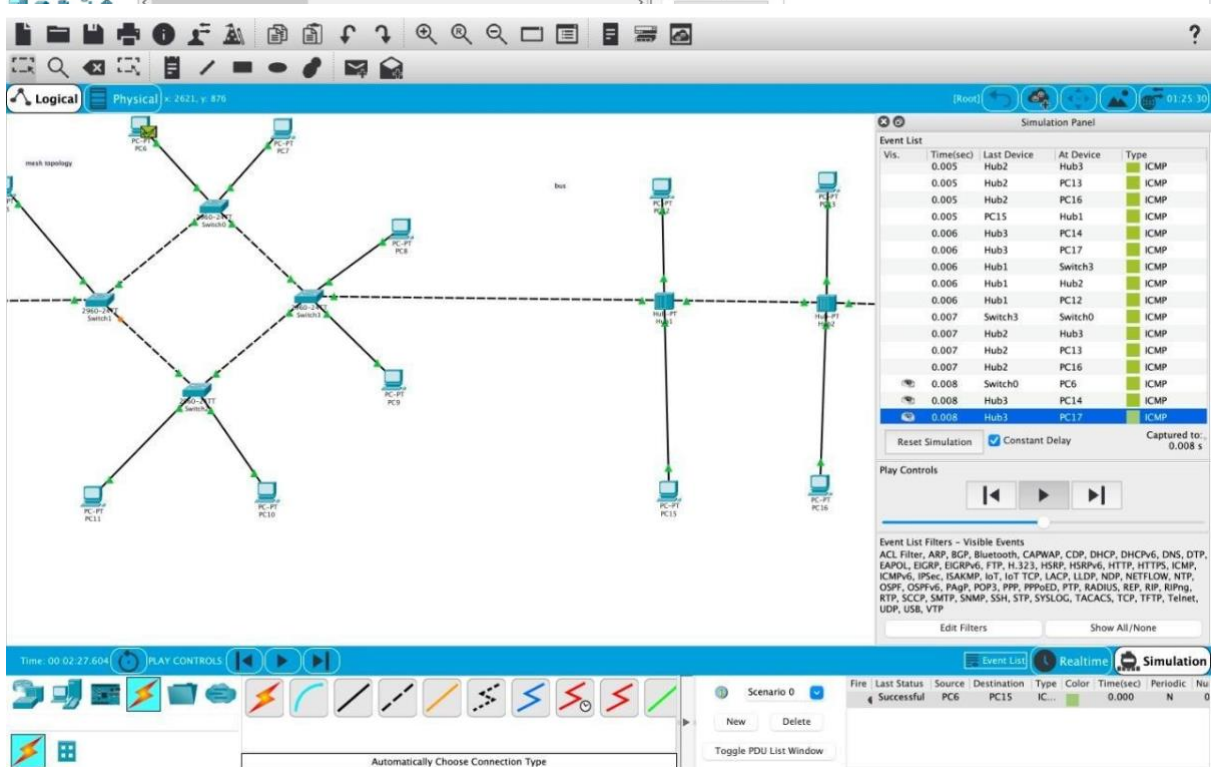
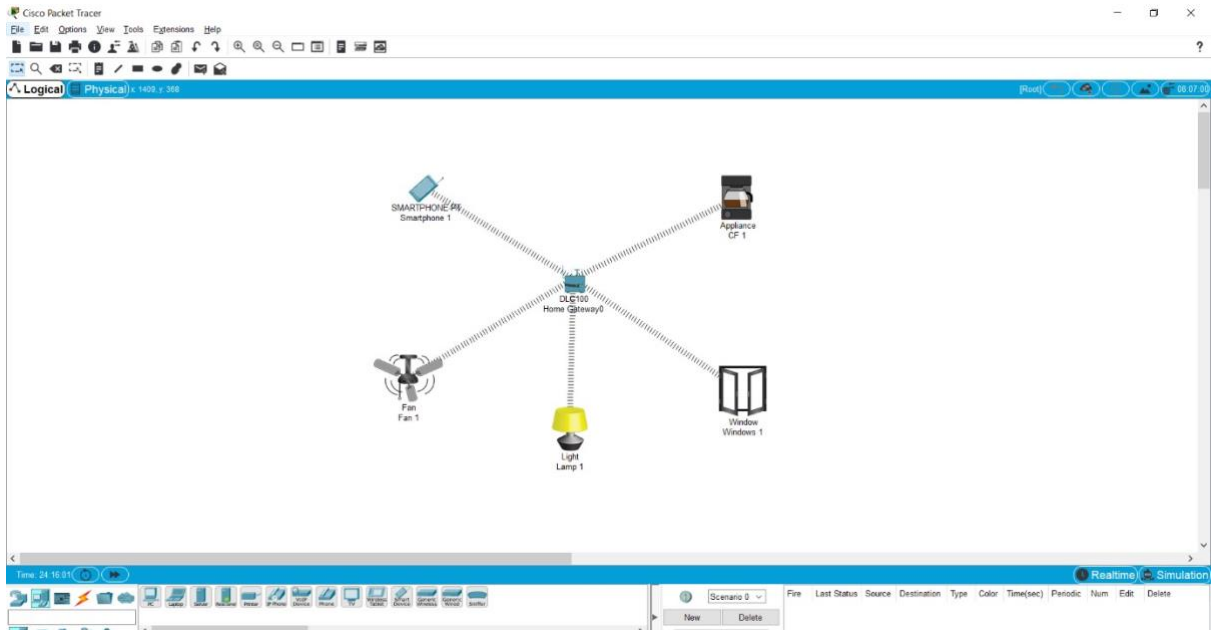
0090 0d 0a 55 73 65 72 2d 41 67 65 6e 74 3a 20 4d 6f -User-A gent: Mo

HTTP Host (http.host), 22 bytes

Packets: 6443 · Displayed: 24 (0.4%) · Dropped: 0 (0.0%)

Profile: Default





Logical

Physical

1130, v. 834

Root

00:26:00

Simulation Panel

Event List

| Vis. | Time(sec) | Last Device | At Device | Type |
|------|-----------|-------------|-----------|------|
| | 0.000 | -- | PC6 | ICMP |
| | 0.000 | -- | PC7 | ICMP |
| | 0.001 | PC6 | Hub0 | ICMP |
| | 0.001 | PC7 | Switch0 | ICMP |
| | 0.002 | Hub0 | PC0 | ICMP |
| | 0.002 | Hub0 | PC1 | ICMP |
| | 0.002 | Hub0 | PC2 | ICMP |
| | 0.002 | Switch0 | PC3 | ICMP |
| | 0.002 | Switch0 | PC4 | ICMP |
| | 0.002 | Switch0 | PC5 | ICMP |
| | 0.003 | PC2 | Hub0 | ICMP |
| | 0.003 | PC3 | Switch0 | ICMP |
| | 0.004 | Hub0 | PC6 | ICMP |
| | 0.004 | Hub0 | PC0 | ICMP |
| | 0.004 | Hub0 | PC1 | ICMP |
| | 0.004 | Switch0 | PC7 | 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, 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 All/None

Time: 00:00:47.627

PLAY CONTROLS

Scenario 0

New

Delete

Toggle PDU List Window

Automatically Choose Connection Type

Fire

Last Status

Source

Destination

Type

Color

Time(sec)

Periodic

Nu

Successful

PC6

PC2

IC...

0.000

N

0

Successful

PC7

PC3

IC...

0.000

N

1

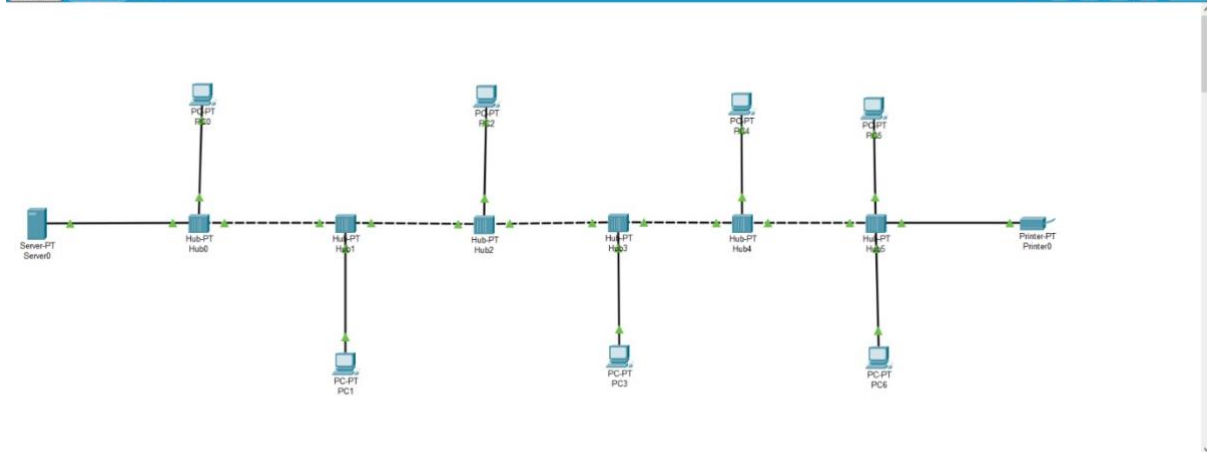
```
main.c
1 #include <stdio.h>
2 int main() {
3     char data[20], stuffedData[30];
4     int i, j, count;
5     printf("Enter the data: ");
6     scanf("%s", data);
7     i = 0;
8     j = 0;
9     count = 0;
10    while (data[i] != '\0') {
11        stuffedData[j] = data[i];
12        if (data[i] == '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

```
/tmp/TSvhdIvgLr.o
Enter the data: 1011111100110
Original Data: 1011111100110
After Bit stuffing: 10111110100110
```

File Edit Options View Tools Extensions Help

Logical Physical 494 x 274 [Reset] 09:02:30



Time: 00:00:00 [Simulation] Realtime Simulation

Scenario 0

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