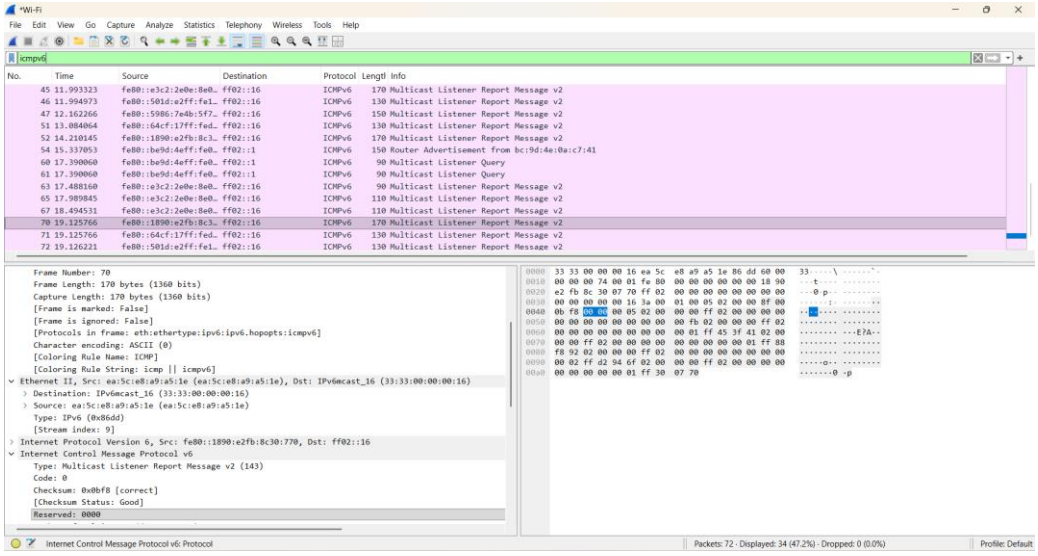
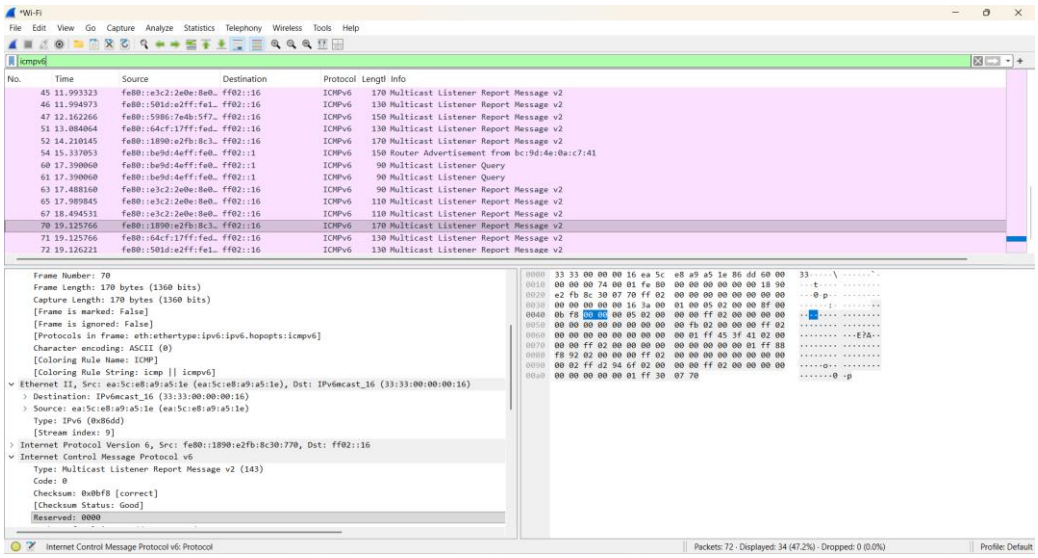
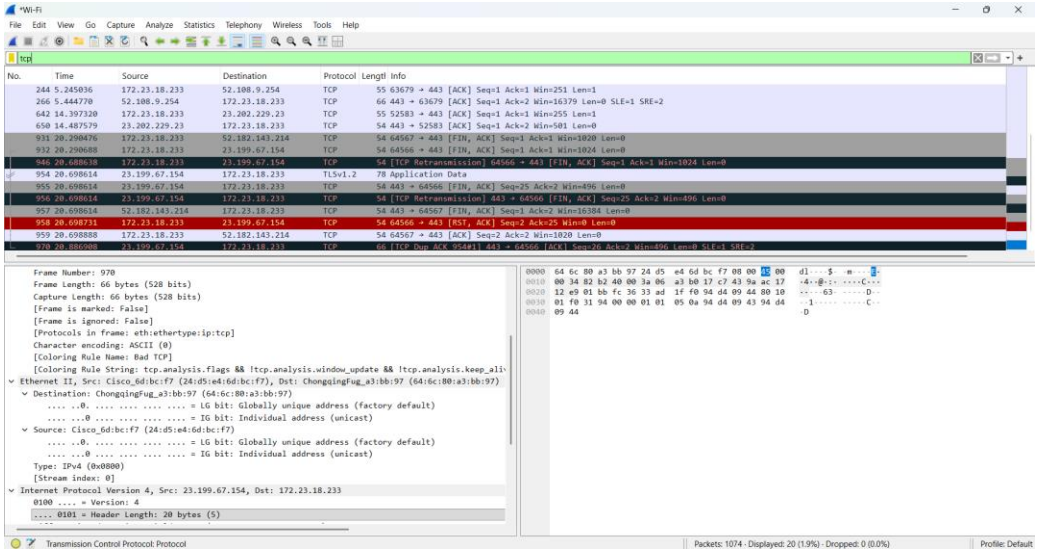
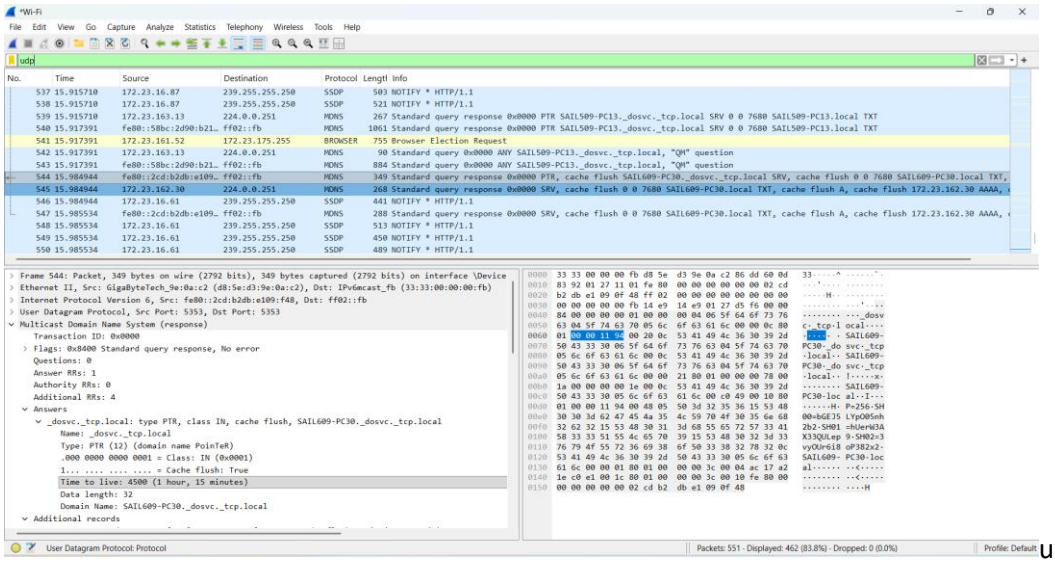

*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
icmpv6
No. Time Source Destination Protocol Length Info
45 11.993323 fe80::e3c2:2e0e:8e0… ff02::16 ICMPv6 170 Multicast Listener Report Message v2
46 11.994973 fe80::501d:e2ff:fe1… ff02::16 ICMPv6 130 Multicast Listener Report Message v2
47 12.162266 fe80::5986:7e4b:5f7… ff02::16 ICMPv6 150 Multicast Listener Report Message v2
51 13.084064 fe80::64cf:17ff:fed… ff02::16 ICMPv6 130 Multicast Listener Report Message v2
52 14.210145 fe80::1890:e2fb:8c3… ff02::16 ICMPv6 170 Multicast Listener Report Message v2
54 15.337053 fe80::be9d:4eff:fe0… ff02::1 ICMPv6 150 Router Advertisement from bc:9d:4e:0a:c7:41
60 17.390060 fe80::be9d:4eff:fe0… ff02::1 ICMPv6 90 Multicast Listener Query
61 17.390060 fe80::be9d:4eff:fe0… ff02::1 ICMPv6 90 Multicast Listener Query
63 17.488160 fe80::e3c2:2e0e:8e0… ff02::16 ICMPv6 90 Multicast Listener Report Message v2
65 17.989845 fe80::e3c2:2e0e:8e0… ff02::16 ICMPv6 110 Multicast Listener Report Message v2
67 18.494531 fe80::e3c2:2e0e:8e0… ff02::16 ICMPv6 110 Multicast Listener Report Message v2
70 19.125766 fe80::1890:e2fb:8c3… ff02::16 ICMPv6 170 Multicast Listener Report Message v2
71 19.125766 fe80::64cf:17ff:fed… ff02::16 ICMPv6 130 Multicast Listener Report Message v2
72 19.126221 fe80::501d:e2ff:fe1… ff02::16 ICMPv6 130 Multicast Listener Report Message v2
Frame Number: 70
Frame Length: 170 bytes (1360 bits)
Capture Length: 170 bytes (1360 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ipv6:ipv6.hopopts:icmpv6]
Character encoding: ASCII (0)
[Coloring Rule Name: ICMP]
[Coloring Rule String: icmp || icmpv6]
Ethernet II, Src: ea:5c:e8:a9:a5:1e (ea:5c:e8:a9:a5:1e), Dst: IPv6mcast_16 (33:33:00:00:00:16)
Destination: IPv6mcast_16 (33:33:00:00:00:16)
Source: ea:5c:e8:a9:a5:1e (ea:5c:e8:a9:a5:1e)
Type: IPv6 (0x86dd)
[Stream index: 9]
Internet Protocol Version 6, Src: fe80::1890:e2fb:8c30:770, Dst: ff02::16
Internet Control Message Protocol v6
Type: Multicast Listener Report Message v2 (143)
Code: 0
Checksum: 0x0bf8 [correct]
[Checksum Status: Good]
Reserved: 0000
0000 33 33 00 00 00 16 ea 5c e8 a9 a5 1e 86 dd 60 00
0010 00 00 00 74 00 01 fe 80 00 00 00 00 00 00 18 90
0020 e2 fb 8c 30 07 70 ff 02 00 00 00 00 00 00 00 00
0030 00 00 00 00 00 16 3a 00 01 00 05 02 00 00 8f 00
0040 0b f8 00 00 00 00 05 02 00 00 00 ff 02 00 00 00
0050 00 00 00 00 00 00 00 00 00 fb 02 00 00 00 ff 02
0060 00 00 00 00 00 00 00 00 00 01 ff 45 3f 41 02 00
0070 00 00 ff 02 00 00 00 00 00 00 00 00 00 01 ff 88
0080 f8 92 02 00 00 00 ff 02 00 00 00 00 00 00 00 00
0090 00 02 ff d2 94 6f 02 00 00 00 ff 02 00 00 00 00
00a0 00 00 00 00 00 01 ff 30 07 70
Internet Control Message Protocol v6: Protocol
Packets: 72 · Displayed: 34 (47.2%) · Dropped: 0 (0.0%)
Profile: Default

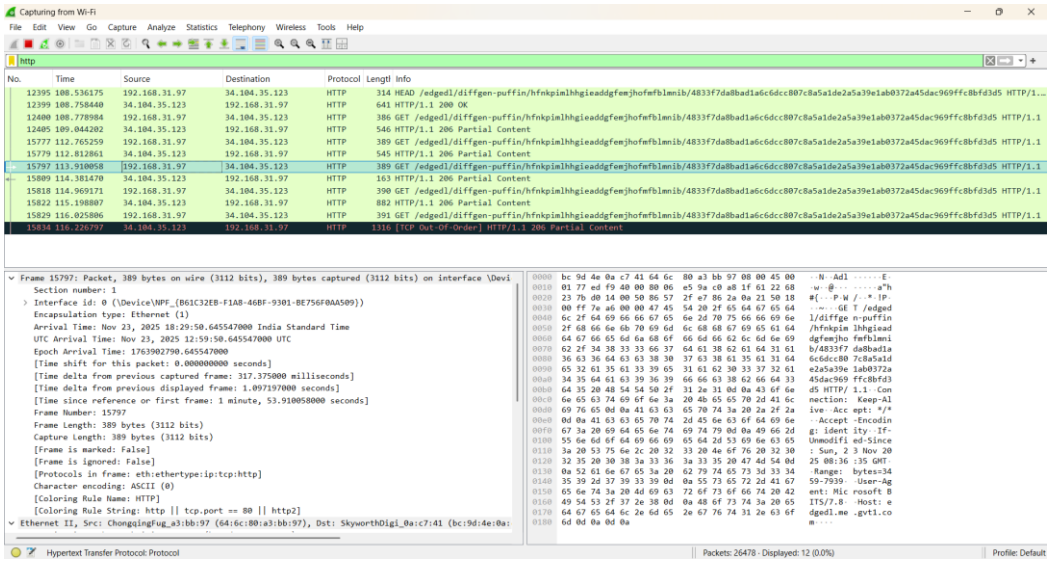

*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
icmpv6
No. Time Source Destination Protocol Length Info
45 11.993323 fe80::e3c2:2e0e:8e0… ff02::16 ICMPv6 170 Multicast Listener Report Message v2
46 11.994973 fe80::501d:e2ff:fe1… ff02::16 ICMPv6 130 Multicast Listener Report Message v2
47 12.162266 fe80::5986:7e4b:5f7… ff02::16 ICMPv6 150 Multicast Listener Report Message v2
51 13.084064 fe80::64cf:17ff:fed… ff02::16 ICMPv6 130 Multicast Listener Report Message v2
52 14.210145 fe80::1890:e2fb:8c3… ff02::16 ICMPv6 170 Multicast Listener Report Message v2
54 15.337053 fe80::be9d:4eff:fe0… ff02::1 ICMPv6 150 Router Advertisement from bc:9d:4e:0a:c7:41
60 17.390060 fe80::be9d:4eff:fe0… ff02::1 ICMPv6 90 Multicast Listener Query
61 17.390060 fe80::be9d:4eff:fe0… ff02::1 ICMPv6 90 Multicast Listener Query
63 17.488160 fe80::e3c2:2e0e:8e0… ff02::16 ICMPv6 90 Multicast Listener Report Message v2
65 17.989845 fe80::e3c2:2e0e:8e0… ff02::16 ICMPv6 110 Multicast Listener Report Message v2
67 18.494531 fe80::e3c2:2e0e:8e0… ff02::16 ICMPv6 110 Multicast Listener Report Message v2
70 19.125766 fe80::1890:e2fb:8c3… ff02::16 ICMPv6 170 Multicast Listener Report Message v2
71 19.125766 fe80::64cf:17ff:fed… ff02::16 ICMPv6 130 Multicast Listener Report Message v2
72 19.126221 fe80::501d:e2ff:fe1… ff02::16 ICMPv6 130 Multicast Listener Report Message v2
Frame Number: 70
Frame Length: 170 bytes (1360 bits)
Capture Length: 170 bytes (1360 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ipv6:ipv6.hopopts:icmpv6]
Character encoding: ASCII (0)
[Coloring Rule Name: ICMP]
[Coloring Rule String: icmp || icmpv6]
Ethernet II, Src: ea:5c:e8:a9:a5:1e (ea:5c:e8:a9:a5:1e), Dst: IPv6mcast_16 (33:33:00:00:00:16)
Destination: IPv6mcast_16 (33:33:00:00:00:16)
Source: ea:5c:e8:a9:a5:1e (ea:5c:e8:a9:a5:1e)
Type: IPv6 (0x86dd)
[Stream index: 9]
Internet Protocol Version 6, Src: fe80::1890:e2fb:8c30:770, Dst: ff02::16
Internet Control Message Protocol v6
Type: Multicast Listener Report Message v2 (143)
Code: 0
Checksum: 0x0bf8 [correct]
[Checksum Status: Good]
Reserved: 0000
0000 33 33 00 00 00 16 ea 5c e8 a9 a5 1e 86 dd 60 00
0010 00 00 00 74 00 01 fe 80 00 00 00 00 00 00 18 90
0020 e2 fb 8c 30 07 70 ff 02 00 00 00 00 00 00 00 00
0030 00 00 00 00 00 16 3a 00 01 00 05 02 00 00 8f 00
0040 0b f8 00 00 00 00 05 02 00 00 00 ff 02 00 00 00
0050 00 00 00 00 00 00 00 00 00 fb 02 00 00 00 ff 02
0060 00 00 00 00 00 00 00 00 00 01 ff 45 3f 41 02 00
0070 00 00 ff 02 00 00 00 00 00 00 00 00 00 01 ff 88
0080 f8 92 02 00 00 00 ff 02 00 00 00 00 00 00 00 00
0090 00 02 ff d2 94 6f 02 00 00 00 ff 02 00 00 00 00
00a0 00 00 00 00 00 01 ff 30 07 70
Internet Control Message Protocol v6: Protocol
Packets: 72 · Displayed: 34 (47.2%) · Dropped: 0 (0.0%)
Profile: Default


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp
No. Time Source Destination Protocol Length Info
244 5.245036 172.23.18.233 52.108.9.254 TCP 55 63679 → 443 [ACK] Seq=1 Ack=1 Win=251 Len=1
266 5.444770 52.108.9.254 172.23.18.233 TCP 66 443 → 63679 [ACK] Seq=1 Ack=2 Win=16379 Len=0 SLE=1 SRE=2
642 14.397320 172.23.18.233 23.202.229.23 TCP 55 52583 → 443 [ACK] Seq=1 Ack=1 Win=255 Len=1
650 14.487579 23.202.229.23 172.23.18.233 TCP 54 443 → 52583 [ACK] Seq=1 Ack=2 Win=501 Len=0
931 20.290476 172.23.18.233 52.182.143.214 TCP 54 64567 → 443 [FIN, ACK] Seq=1 Ack=1 Win=1020 Len=0
932 20.290688 172.23.18.233 23.199.67.154 TCP 54 64566 → 443 [FIN, ACK] Seq=1 Ack=1 Win=1024 Len=0
946 20.688638 172.23.18.233 23.199.67.154 TCP 54 [TCP Retransmission] 64566 → 443 [FIN, ACK] Seq=1 Ack=1 Win=1024 Len=0
954 20.698614 23.199.67.154 172.23.18.233 TLSv1.2 78 Application Data
955 20.698614 23.199.67.154 172.23.18.233 TCP 54 443 → 64566 [FIN, ACK] Seq=25 Ack=2 Win=496 Len=0
956 20.698614 23.199.67.154 172.23.18.233 TCP 54 [TCP Retransmission] 443 → 64566 [FIN, ACK] Seq=25 Ack=2 Win=496 Len=0
957 20.698614 52.182.143.214 172.23.18.233 TCP 54 443 → 64567 [FIN, ACK] Seq=1 Ack=2 Win=16384 Len=0
958 20.698731 172.23.18.233 23.199.67.154 TCP 54 64566 → 443 [RST, ACK] Seq=2 Ack=25 Win=0 Len=0
959 20.698888 172.23.18.233 52.182.143.214 TCP 54 64567 → 443 [ACK] Seq=2 Ack=2 Win=1020 Len=0
970 20.886008 23.199.67.154 172.23.18.233 TCP 66 [TCP Dup ACK 954#1] 443 → 64566 [ACK] Seq=26 Ack=2 Win=496 Len=0 SLE=1 SRE=2
Frame Number: 970
Frame Length: 66 bytes (528 bits)
Capture Length: 66 bytes (528 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:tcp]
Character encoding: ASCII (0)
[Coloring Rule Name: Bad TCP]
[Coloring Rule String: tcp.analysis.flags && !tcp.analysis.window_update && !tcp.analysis.keep_ali
Ethernet II, Src: Cisco_6d:bc:f7 (24:d5:e4:6d:bc:f7), Dst: ChongqingFug_a3:bb:97 (64:6c:80:a3:bb:97)
Destination: ChongqingFug_a3:bb:97 (64:6c:80:a3:bb:97)
.... ..0. .... = LG bit: Globally unique address (factory default)
....0 .... = IG bit: Individual address (unicast)
Source: Cisco_6d:bc:f7 (24:d5:e4:6d:bc:f7)
.... ..0. .... = LG bit: Globally unique address (factory default)
....0 .... = IG bit: Individual address (unicast)
Type: IPv4 (0x0800)
[Stream index: 0]
Internet Protocol Version 4, Src: 23.199.67.154, Dst: 172.23.18.233
0100 .... = Version: 4
.... 0101 = Header Length: 20 bytes (5)
Transmission Control Protocol: Protocol
Packets: 1074 · Displayed: 20 (1.9%) · Dropped: 0 (0.0%)
Profile: Default

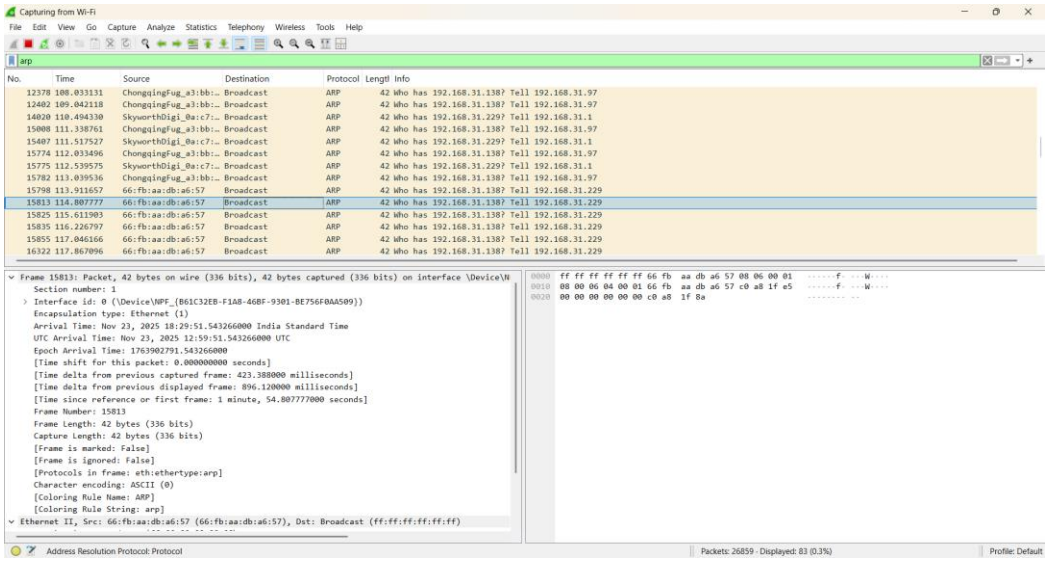
tcp


*Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
udp
No. Time Source Destination Protocol Length Info
537 15.915710 172.23.16.87 239.255.255.250 SSDP 503 NOTIFY * HTTP/1.1
538 15.915710 172.23.16.87 239.255.255.250 SSDP 521 NOTIFY * HTTP/1.1
539 15.915710 172.23.163.13 224.0.0.251 MDNS 267 Standard query response 0x0000 PTR SAIL509-PC13._dosvc._tcp.local SRV 0 0 7680 SAIL509-PC13.local TXT
540 15.917391 fe80::58bc:2d90:b21… ff02::fb MDNS 1061 Standard query response 0x0000 PTR SAIL509-PC13._dosvc._tcp.local SRV 0 0 7680 SAIL509-PC13.local TXT
541 15.917391 172.23.161.52 172.23.175.255 BROWSER 255 Browser Election Request
542 15.917391 172.23.163.13 224.0.0.251 MDNS 90 Standard query 0x0000 ANY SAIL509-PC13._dosvc._tcp.local, "QM" question
543 15.917391 fe80::58bc:2d90:b21… ff02::fb MDNS 884 Standard query 0x0000 ANY SAIL509-PC13._dosvc._tcp.local, "QM" question
544 15.984944 fe80::2cd:b2db:e109… ff02::fb MDNS 349 Standard query response 0x0000 PTR, cache flush SAIL609-PC30._dosvc._tcp.local SRV, cache flush 0 0 7680 SAIL609-PC30.local TXT,
545 15.984944 172.23.162.30 224.0.0.251 MDNS 268 Standard query response 0x0000 SRV, cache flush 0 0 7680 SAIL609-PC30.local TXT, cache flush A, cache flush 172.23.162.30 AAAA,
546 15.984944 172.23.16.61 239.255.255.250 SSDP 441 NOTIFY * HTTP/1.1
547 15.985534 fe80::2cd:b2db:e109… ff02::fb MDNS 288 Standard query response 0x0000 SRV, cache flush 0 0 7680 SAIL609-PC30.local TXT, cache flush A, cache flush 172.23.162.30 AAAA,
548 15.985534 172.23.16.61 239.255.255.250 SSDP 513 NOTIFY * HTTP/1.1
549 15.985534 172.23.16.61 239.255.255.250 SSDP 450 NOTIFY * HTTP/1.1
550 15.985534 172.23.16.61 239.255.255.250 SSDP 489 NOTIFY * HTTP/1.1
Frame 544: Packet, 349 bytes on wire (2792 bits), 349 bytes captured (2792 bits) on interface \Device
Ethernet II, Src: GigaByteTech_9e:0a:c2 (d8:5e:d3:9e:0a:c2), Dst: IPv6mcast_fb (33:33:00:00:00:fb)
Internet Protocol Version 6, Src: fe80::2cd:b2db:e109:f48, Dst: ff02::fb
User Datagram Protocol, Src Port: 5353, Dst Port: 5353
Multicast Domain Name System (response)
Transaction ID: 0x0000
Flags: 0x8400 Standard query response, No error
Questions: 0
Answer RRs: 1
Authority RRs: 0
Additional RRs: 4
Answers
_dosvc._tcp.local: type PTR, class IN, cache flush, SAIL609-PC30._dosvc._tcp.local
Name: _dosvc._tcp.local
Type: PTR (12) (domain name PointeR)
.000 0000 0000 0001 = Class: IN (0x0001)
1... .... = Cache flush: True
Time to live: 4500 (1 hour, 15 minutes)
Data length: 32
Domain Name: SAIL609-PC30._dosvc._tcp.local
Additional records
User Datagram Protocol: Protocol
Packets: 551 · Displayed: 462 (83.8%) · Dropped: 0 (0.0%)
Profile: Default

udp

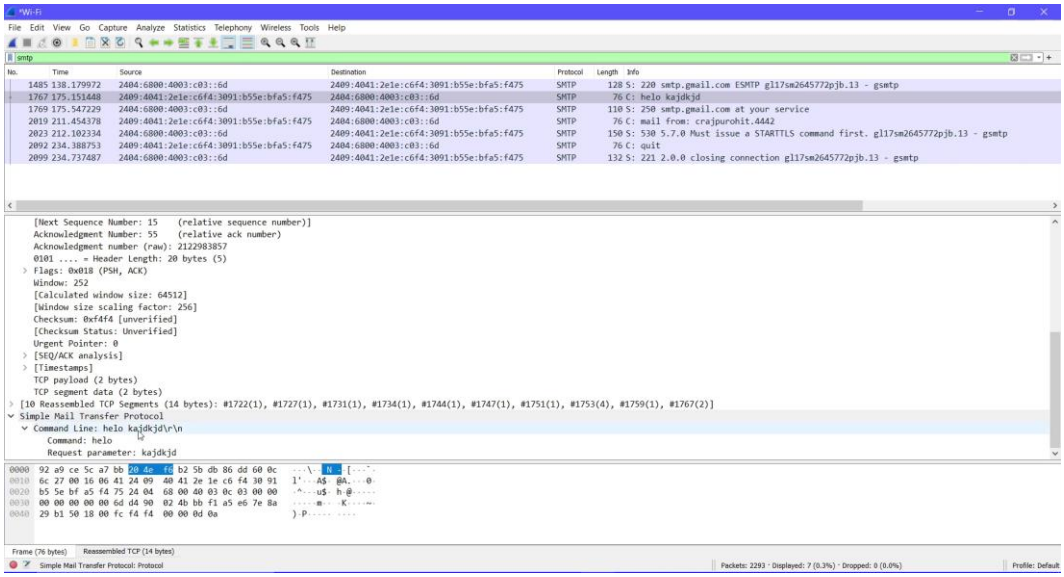

Capturing from Wi-Fi
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
http
No. Time Source Destination Protocol Length Info
12395 108.536175 192.168.31.97 34.104.35.123 HTTP 314 HEAD /edgedl/diffgen-puffin/hfnkpimlhhgieaddgfemjhofmfblmnib/4833f7da8bad1a6c6dcc807c8a5a1de2a5a39e1ab0372a45dac969ffc8bfd3d5 HTTP/1…
12399 108.758440 34.104.35.123 192.168.31.97 HTTP 641 HTTP/1.1 200 OK
12400 108.778984 192.168.31.97 34.104.35.123 HTTP 386 GET /edgedl/diffgen-puffin/hfnkpimlhhgieaddgfemjhofmfblmnib/4833f7da8bad1a6c6dcc807c8a5a1de2a5a39e1ab0372a45dac969ffc8bfd3d5 HTTP/1.1
12405 109.044202 34.104.35.123 192.168.31.97 HTTP 546 HTTP/1.1 206 Partial Content
15777 112.765259 192.168.31.97 34.104.35.123 HTTP 389 GET /edgedl/diffgen-puffin/hfnkpimlhhgieaddgfemjhofmfblmnib/4833f7da8bad1a6c6dcc807c8a5a1de2a5a39e1ab0372a45dac969ffc8bfd3d5 HTTP/1.1
15779 112.812861 34.104.35.123 192.168.31.97 HTTP 545 HTTP/1.1 206 Partial Content
15797 113.910058 192.168.31.97 34.104.35.123 HTTP 389 GET /edgedl/diffgen-puffin/hfnkpimlhhgieaddgfemjhofmfblmnib/4833f7da8bad1a6c6dcc807c8a5a1de2a5a39e1ab0372a45dac969ffc8bfd3d5 HTTP/1.1
15809 114.381470 34.104.35.123 192.168.31.97 HTTP 163 HTTP/1.1 206 Partial Content
15818 114.969171 192.168.31.97 34.104.35.123 HTTP 390 GET /edgedl/diffgen-puffin/hfnkpimlhhgieaddgfemjhofmfblmnib/4833f7da8bad1a6c6dcc807c8a5a1de2a5a39e1ab0372a45dac969ffc8bfd3d5 HTTP/1.1
15822 115.198807 34.104.35.123 192.168.31.97 HTTP 882 HTTP/1.1 206 Partial Content
15829 116.025806 192.168.31.97 34.104.35.123 HTTP 391 GET /edgedl/diffgen-puffin/hfnkpimlhhgieaddgfemjhofmfblmnib/4833f7da8bad1a6c6dcc807c8a5a1de2a5a39e1ab0372a45dac969ffc8bfd3d5 HTTP/1.1
15834 116.226797 34.104.35.123 192.168.31.97 HTTP 1316 [TCP Out-Of-Order] HTTP/1.1 206 Partial Content
Frame 15797: Packet, 389 bytes on wire (3112 bits), 389 bytes captured (3112 bits) on interface \Devi
Section number: 1
Interface id: 0 (\Device\NPF_{B61C32EB-F1A8-46BF-9301-BE756F0AA509})
Encapsulation type: Ethernet (1)
Arrival Time: Nov 23, 2025 18:29:50.645547000 India Standard Time
UTC Arrival Time: Nov 23, 2025 12:59:50.645547000 UTC
Epoch Arrival Time: 1763902790.645547000
[Time shift for this packet: 0.000000000 seconds]
[Time delta from previous captured frame: 317.375000 milliseconds]
[Time delta from previous displayed frame: 1.097197000 seconds]
[Time since reference or first frame: 1 minute, 53.910058000 seconds]
Frame Number: 15797
Frame Length: 389 bytes (3112 bits)
Capture Length: 389 bytes (3112 bits)
[Frame is marked: False]
[Frame is ignored: False]
[Protocols in frame: eth:ethertype:ip:tcp:http]
Character encoding: ASCII (0)
[Coloring Rule Name: HTTP]
[Coloring Rule String: http || tcp.port == 80 || http2]
Ethernet II, Src: ChongqingFug_a3:bb:97 (64:6c:80:a3:bb:97), Dst: SkyworthDigi_0a:c7:41 (bc:9d:4e:0a:
Hypertext Transfer Protocol: Protocol
Packets: 26478 · Displayed: 12 (0.0%)
Profile: Default

http

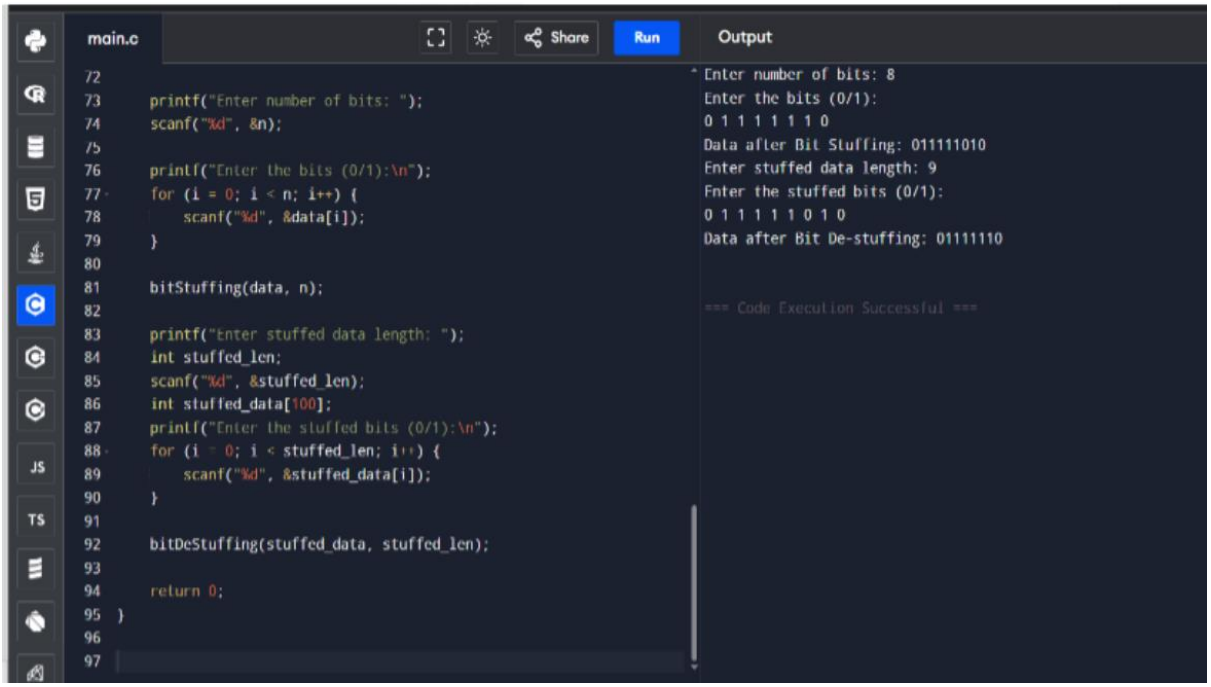


arp

icmp



smtp


main.c
Share
Run
Output
printf("Enter number of bits: ");
scanf("%d", &n);
printf("Enter the bits (0/1):\n");
for (i = 0; i < n; i++) {
scanf("%d", &data[i]);
}
bitStuffing(data, n);
printf("Enter stuffed data length: ");
int stuffed_len;
scanf("%d", &stuffed_len);
int stuffed_data[100];
printf("Enter the stuffed bits (0/1):\n");
for (i = 0; i < stuffed_len; i++) {
scanf("%d", &stuffed_data[i]);
}
bitDeStuffing(stuffed_data, stuffed_len);
return 0;
}
Enter number of bits: 8
Enter the bits (0/1):
0 1 1 1 1 1 1 0
Data after Bit Stuffing: 011111010
Enter stuffed data length: 9
Enter the stuffed bits (0/1):
0 1 1 1 1 1 0 1 0
Data after Bit De-stuffing: 01111110
=== Code Execution Successful ===