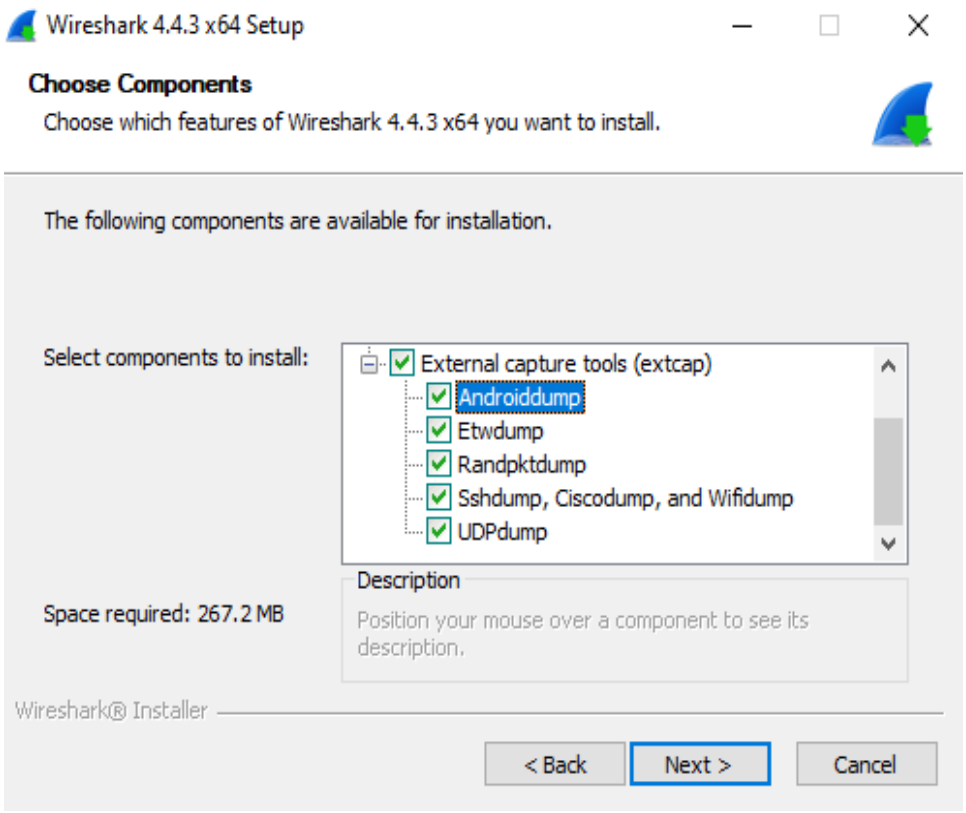
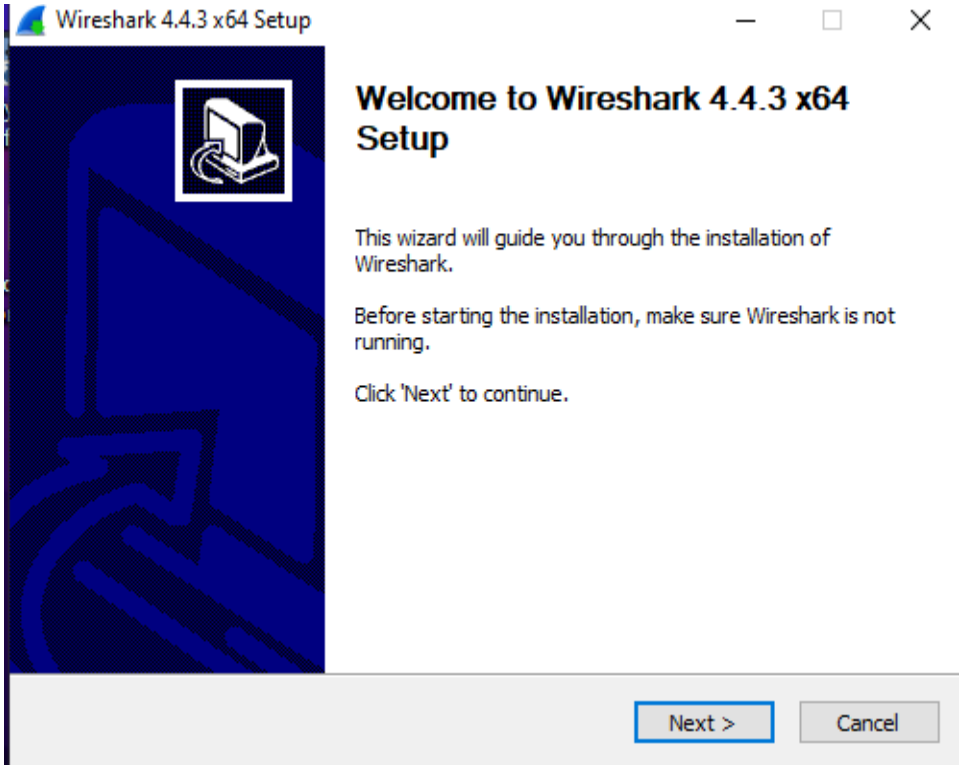
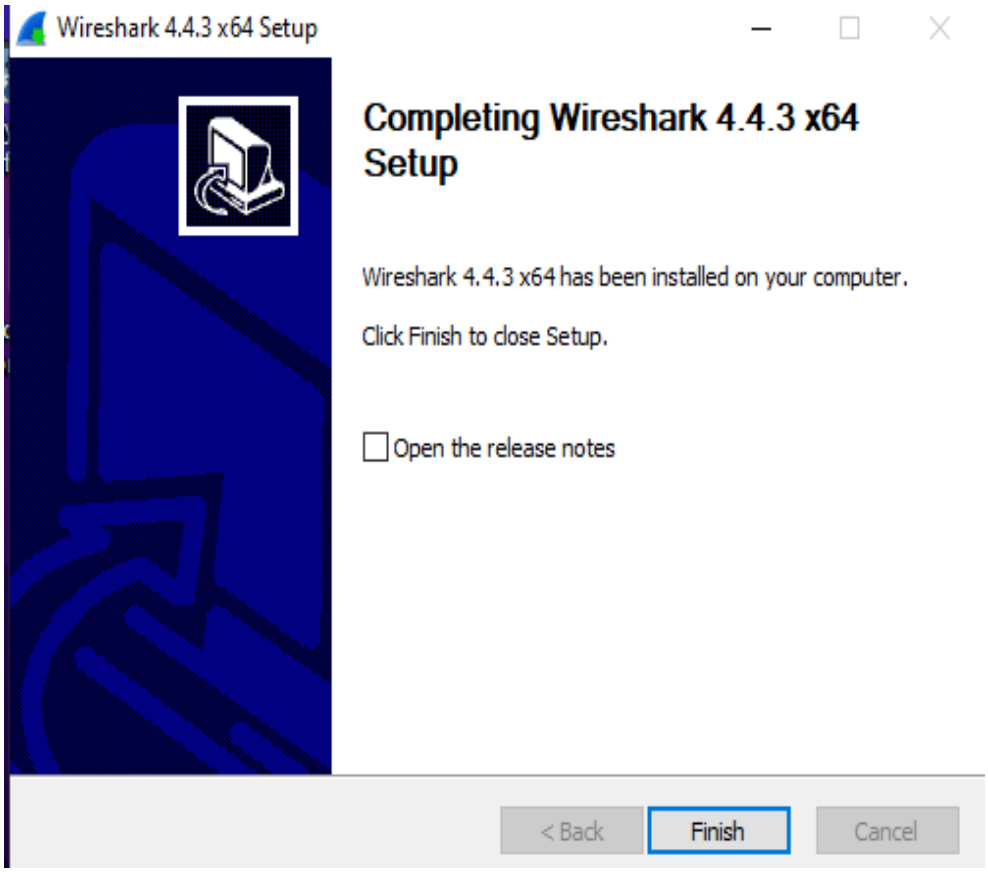
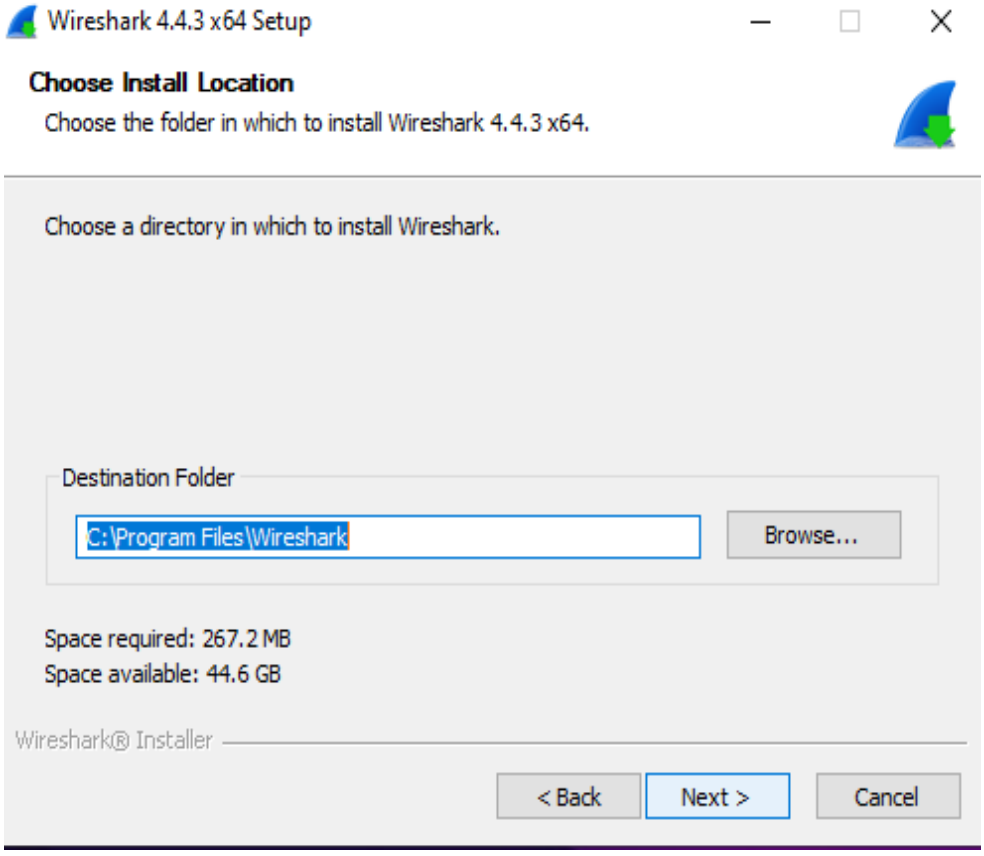
Experiment No. 6

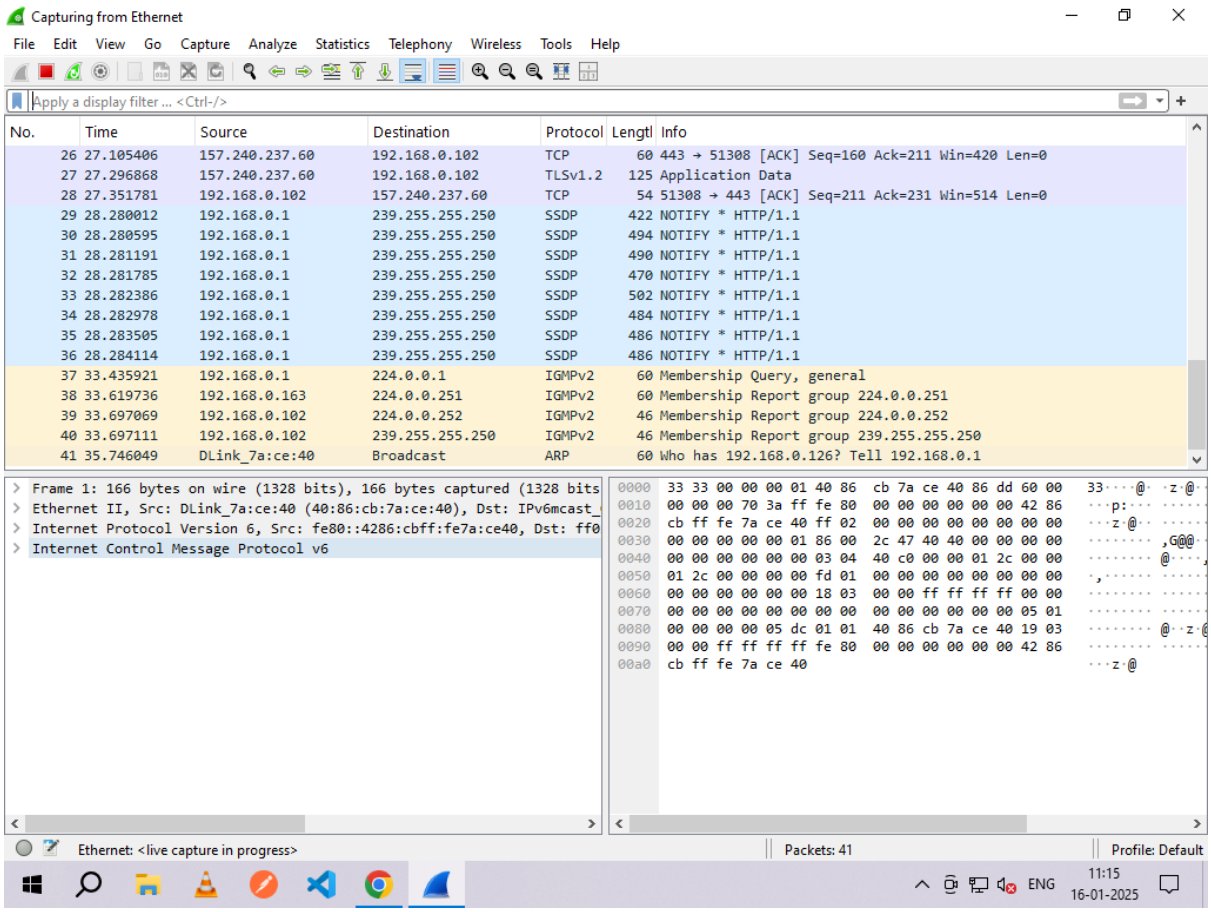
Output:



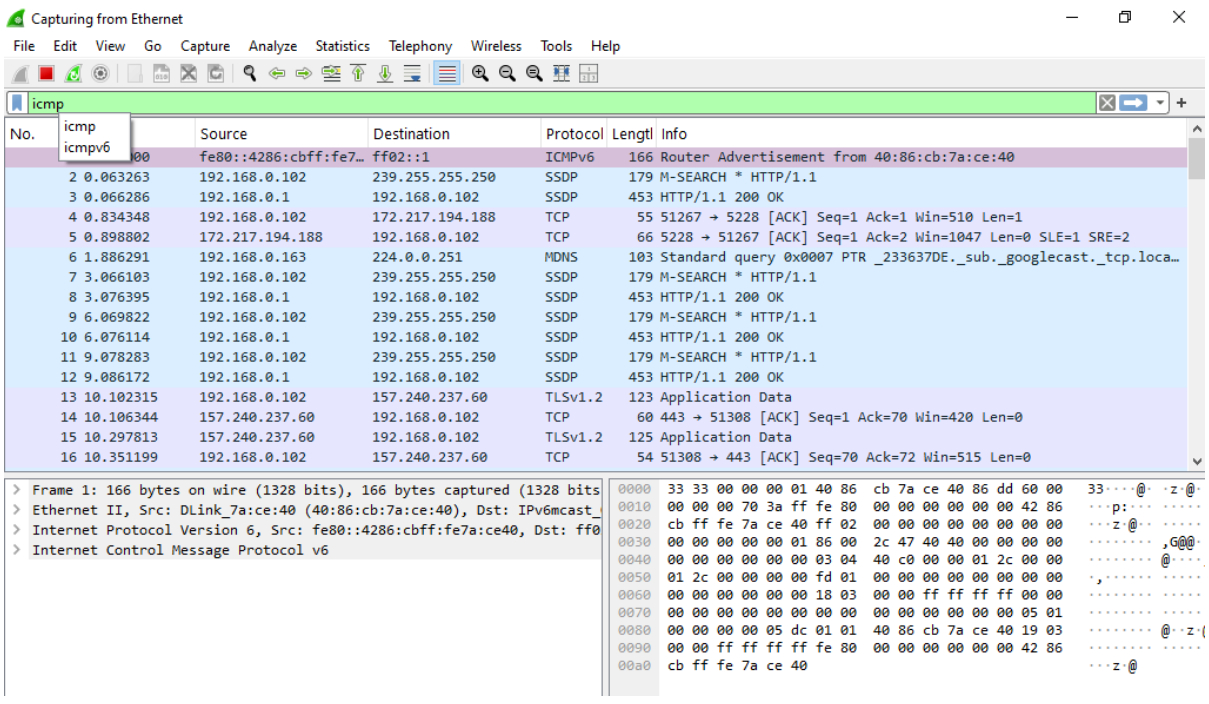



Wireshark 4.4.3 x64 Setup
Completing Wireshark 4.4.3 x64 Setup
Wireshark 4.4.3 x64 has been installed on your computer.
Click Finish to close Setup.
Open the release notes
< Back
Finish
Cancel

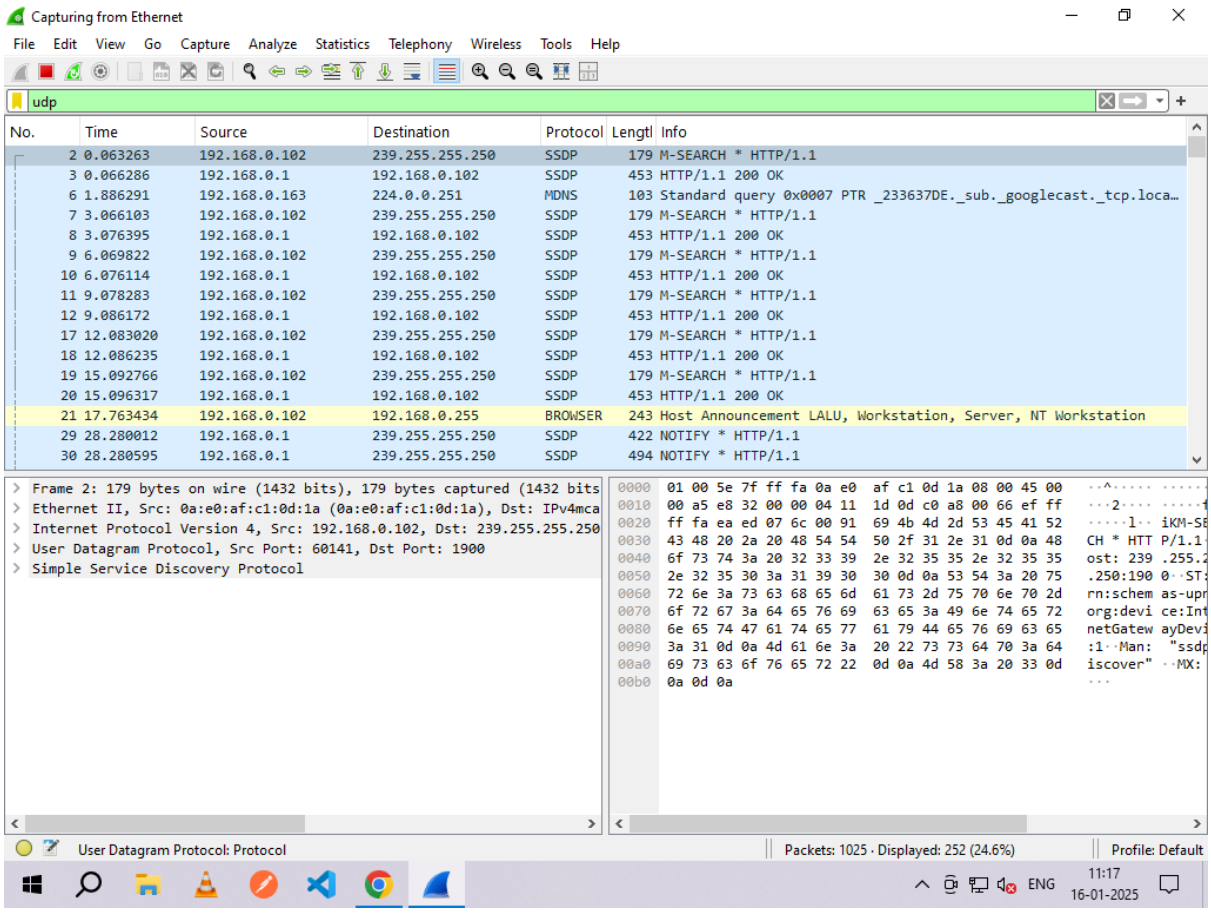

Wireshark 4.4.3 x64 Setup
Choose Install Location
Choose the folder in which to install Wireshark 4.4.3 x64.
Choose a directory in which to install Wireshark.
Destination Folder
C:\Program Files\Wireshark
Browse...
Space required: 267.2 MB
Space available: 44.6 GB
Wireshark® Installer
< Back
Next >
Cancel


Capturing from Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
Apply a display filter ... <Ctrl-/>
No. Time Source Destination Protocol Lengtl Info
26 27.105406 157.240.237.60 192.168.0.102 TCP 60 443 → 51308 [ACK] Seq=160 Ack=211 Win=420 Len=0
27 27.296868 157.240.237.60 192.168.0.102 TLSv1.2 125 Application Data
28 27.351781 192.168.0.102 157.240.237.60 TCP 54 51308 → 443 [ACK] Seq=211 Ack=231 Win=514 Len=0
29 28.280012 192.168.0.1 239.255.255.250 SSDP 422 NOTIFY * HTTP/1.1
30 28.280595 192.168.0.1 239.255.255.250 SSDP 494 NOTIFY * HTTP/1.1
31 28.281191 192.168.0.1 239.255.255.250 SSDP 490 NOTIFY * HTTP/1.1
32 28.281785 192.168.0.1 239.255.255.250 SSDP 470 NOTIFY * HTTP/1.1
33 28.282386 192.168.0.1 239.255.255.250 SSDP 502 NOTIFY * HTTP/1.1
34 28.282978 192.168.0.1 239.255.255.250 SSDP 484 NOTIFY * HTTP/1.1
35 28.283505 192.168.0.1 239.255.255.250 SSDP 486 NOTIFY * HTTP/1.1
36 28.284114 192.168.0.1 239.255.255.250 SSDP 486 NOTIFY * HTTP/1.1
37 33.435921 192.168.0.1 224.0.0.1 IGMPv2 60 Membership Query, general
38 33.619736 192.168.0.163 224.0.0.251 IGMPv2 60 Membership Report group 224.0.0.251
39 33.697069 192.168.0.102 224.0.0.252 IGMPv2 46 Membership Report group 224.0.0.252
40 33.697111 192.168.0.102 239.255.255.250 IGMPv2 46 Membership Report group 239.255.255.250
41 35.746049 DLink_7a:ce:40 Broadcast ARP 60 Who has 192.168.0.126? Tell 192.168.0.1
Frame 1: 166 bytes on wire (1328 bits), 166 bytes captured (1328 bits
Ethernet II, Src: DLink_7a:ce:40 (40:86:cb:7a:ce:40), Dst: IPv6mcast_
Internet Protocol Version 6, Src: fe80::4286:cbff:fe7a:ce40, Dst: ff0
Internet Control Message Protocol v6
0000 33 33 00 00 00 01 40 86 cb 7a ce 40 86 dd 60 00 33····@· ·z·@··
0010 00 00 00 70 3a ff fe 80 00 00 00 00 00 00 42 86 ···p:··· ····B·
0020 cb ff fe 7a ce 40 ff 02 00 00 00 00 00 00 00 00 ···z·@·· ····
0030 00 00 00 00 00 01 86 00 2c 47 40 40 00 00 00 00 ···· ,G@@····
0040 00 00 00 00 00 00 03 04 40 c0 00 00 01 2c 00 00 ···· @····,··
0050 01 2c 00 00 00 00 fd 01 00 00 00 00 00 00 00 00 ·,···· ····
0060 00 00 00 00 00 00 18 03 00 00 ff ff ff ff 00 00 ···· ····
0070 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 ···· ····
0080 00 00 00 00 05 dc 01 01 40 86 cb 7a ce 40 19 03 ···· @··z·@··
0090 00 00 ff ff ff ff fe 80 00 00 00 00 00 00 42 86 ···· ····B·
00a0 cb ff fe 7a ce 40 ···z·@
Ethernet: <live capture in progress>
Packets: 41
Profile: Default
ENG
11:15
16-01-2025

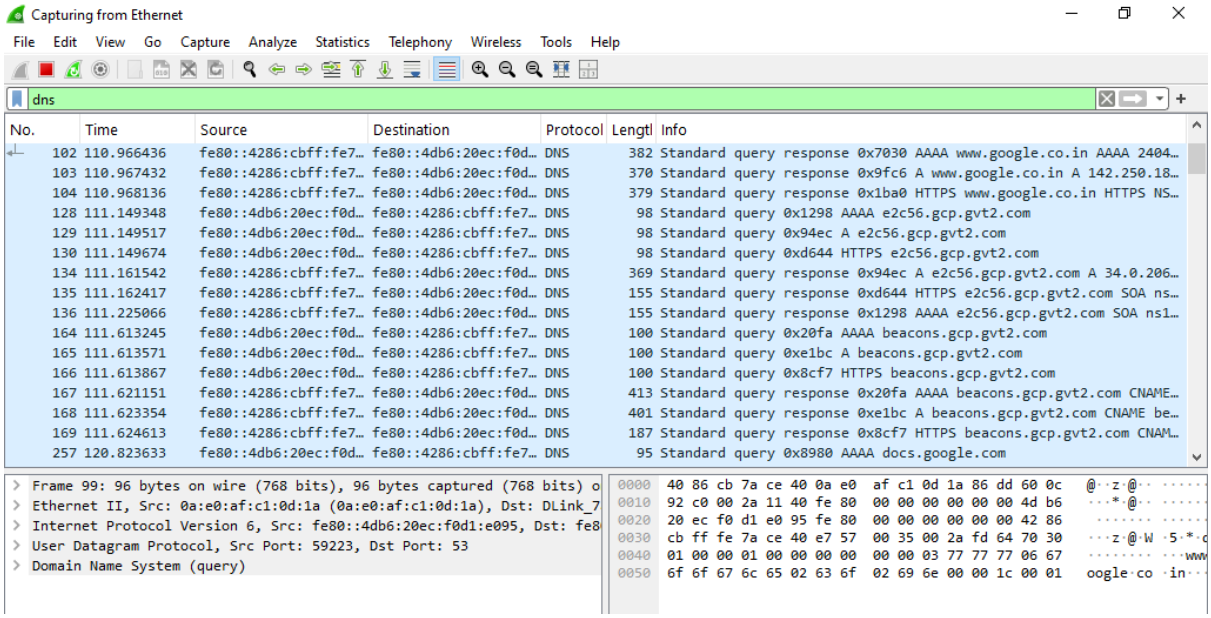
Icmp:-


Capturing from Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
icmp
icmp
icmpv6
No. Source Destination Protocol Lengtl Info
fe80::4286:cbff:fe7… ff02::1 ICMPv6 166 Router Advertisement from 40:86:cb:7a:ce:40
2 0.063263 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
3 0.066286 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
4 0.834348 192.168.0.102 172.217.194.188 TCP 55 51267 → 5228 [ACK] Seq=1 Ack=1 Win=510 Len=1
5 0.898802 172.217.194.188 192.168.0.102 TCP 66 5228 → 51267 [ACK] Seq=1 Ack=2 Win=1047 Len=0 SLE=1 SRE=2
6 1.886291 192.168.0.163 224.0.0.251 MDNS 103 Standard query 0x0007 PTR _233637DE._sub._googlecast._tcp.loca…
7 3.066103 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
8 3.076395 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
9 6.069822 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
10 6.076114 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
11 9.078283 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
12 9.086172 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
13 10.102315 192.168.0.102 157.240.237.60 TLSv1.2 123 Application Data
14 10.106344 157.240.237.60 192.168.0.102 TCP 60 443 → 51308 [ACK] Seq=1 Ack=70 Win=420 Len=0
15 10.297813 157.240.237.60 192.168.0.102 TLSv1.2 125 Application Data
16 10.351199 192.168.0.102 157.240.237.60 TCP 54 51308 → 443 [ACK] Seq=70 Ack=72 Win=515 Len=0
Frame 1: 166 bytes on wire (1328 bits), 166 bytes captured (1328 bits
Ethernet II, Src: DLink_7a:ce:40 (40:86:cb:7a:ce:40), Dst: IPv6mcast_
Internet Protocol Version 6, Src: fe80::4286:cbff:fe7a:ce40, Dst: ff0
Internet Control Message Protocol v6
0000 33 33 00 00 00 01 40 86 cb 7a ce 40 86 dd 60 00 33····@· ·z·@··
0010 00 00 00 70 3a ff fe 80 00 00 00 00 00 00 42 86 ···p:··· ····B·
0020 cb ff fe 7a ce 40 ff 02 00 00 00 00 00 00 00 00 ···z·@·· ····
0030 00 00 00 00 00 01 86 00 2c 47 40 40 00 00 00 00 ···· ,G@@····
0040 00 00 00 00 00 00 03 04 40 c0 00 00 01 2c 00 00 ···· @····,··
0050 01 2c 00 00 00 00 fd 01 00 00 00 00 00 00 00 00 ·,···· ····
0060 00 00 00 00 00 00 18 03 00 00 ff ff ff ff 00 00 ···· ····
0070 00 00 00 00 00 00 00 00 00 00 00 00 00 00 05 01 ···· ····
0080 00 00 00 00 05 dc 01 01 40 86 cb 7a ce 40 19 03 ···· @··z·@··
0090 00 00 ff ff ff ff fe 80 00 00 00 00 00 00 42 86 ···· ····B·
00a0 cb ff fe 7a ce 40 ···z·@

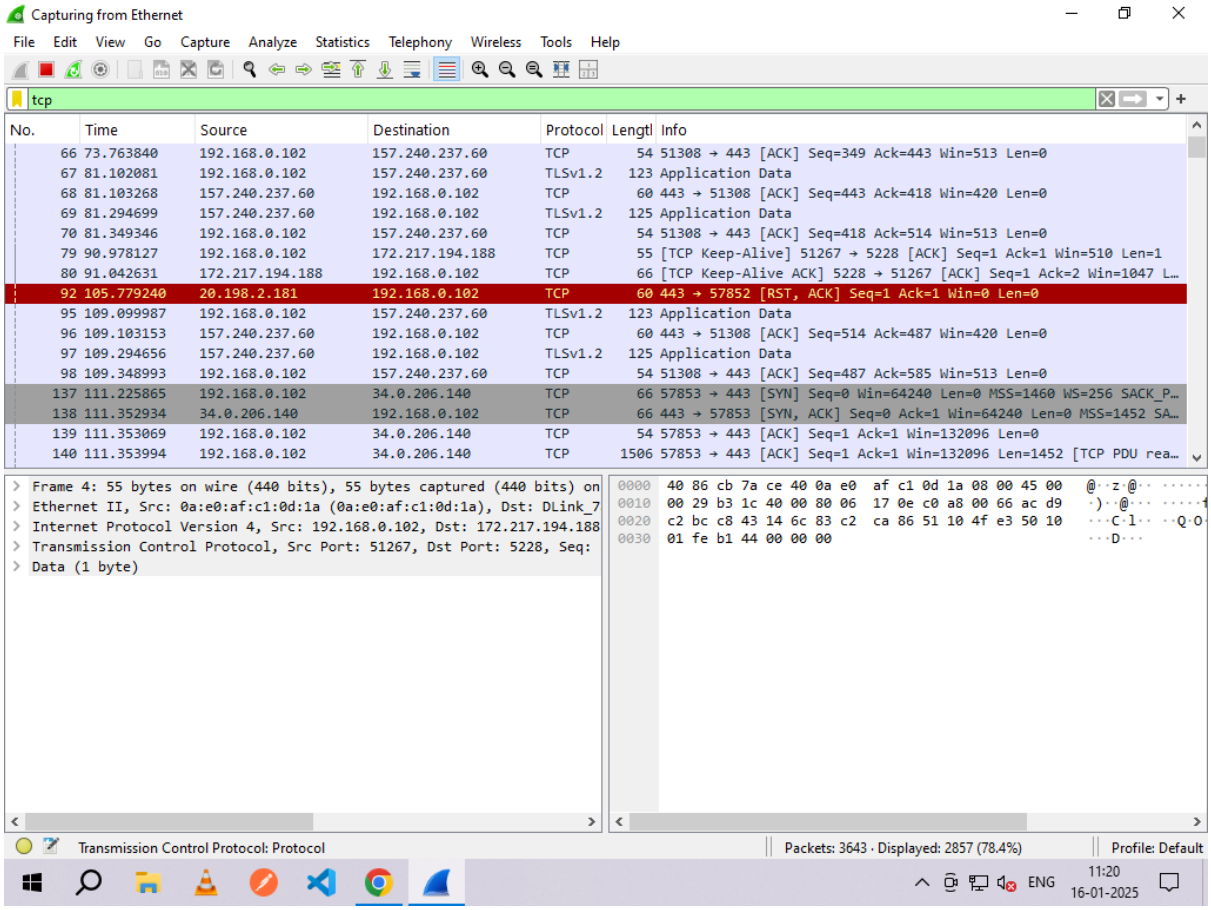
Udp:-


Capturing from Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
udp
No. Time Source Destination Protocol Lengtl Info
2 0.063263 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
3 0.066286 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
6 1.886291 192.168.0.163 224.0.0.251 MDNS 103 Standard query 0x0007 PTR _233637DE._sub._googlecast._tcp.loca…
7 3.066103 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
8 3.076395 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
9 6.069822 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
10 6.076114 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
11 9.078283 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
12 9.086172 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
17 12.083020 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
18 12.086235 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
19 15.092766 192.168.0.102 239.255.255.250 SSDP 179 M-SEARCH * HTTP/1.1
20 15.096317 192.168.0.1 192.168.0.102 SSDP 453 HTTP/1.1 200 OK
21 17.763434 192.168.0.102 192.168.0.255 BROWSER 243 Host Announcement LALU, Workstation, Server, NT Workstation
29 28.280012 192.168.0.1 239.255.255.250 SSDP 422 NOTIFY * HTTP/1.1
30 28.280595 192.168.0.1 239.255.255.250 SSDP 494 NOTIFY * HTTP/1.1
Frame 2: 179 bytes on wire (1432 bits), 179 bytes captured (1432 bits
Ethernet II, Src: 0a:e0:af:c1:0d:1a (0a:e0:af:c1:0d:1a), Dst: IPv4mca
Internet Protocol Version 4, Src: 192.168.0.102, Dst: 239.255.255.250
User Datagram Protocol, Src Port: 60141, Dst Port: 1900
Simple Service Discovery Protocol
0000 01 00 5e 7f ff fa 0a e0 af c1 0d 1a 08 00 45 00
0010 00 a5 e8 32 00 00 04 11 1d 0d c0 a8 00 66 ef ff
0020 ff fa ea ed 07 6c 00 91 69 4b 4d 2d 53 45 41 52
0030 43 48 20 2a 20 48 54 54 50 2f 31 2e 31 0d 0a 48
0040 6f 73 74 3a 20 32 33 39 2e 32 35 35 2e 32 35 35
0050 2e 32 35 30 3a 31 39 30 30 0d 0a 53 54 3a 20 75
0060 72 6e 3a 73 63 68 65 6d 61 73 2d 75 70 6e 70 2d
0070 6f 72 67 3a 64 65 76 69 63 65 3a 49 6e 74 65 72
0080 6e 65 74 47 61 74 65 77 61 79 44 65 76 69 63 65
0090 3a 31 0d 0a 4d 61 6e 3a 20 22 73 73 64 70 3a 64
00a0 69 73 63 6f 76 65 72 22 0d 0a 4d 58 3a 20 33 0d
00b0 0a 0d 0a
User Datagram Protocol: Protocol
Packets: 1025 · Displayed: 252 (24.6%)
Profile: Default
ENG
11:17
16-01-2025

Dns:-


Capturing from Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
dns
No. Time Source Destination Protocol Lengtl Info
102 110.966436 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 382 Standard query response 0x7030 AAAA www.google.co.in AAAA 2404…
103 110.967432 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 370 Standard query response 0x9fc6 A www.google.co.in A 142.250.18…
104 110.968136 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 379 Standard query response 0x1ba0 HTTPS www.google.co.in HTTPS NS…
128 111.149348 fe80::4db6:20ec:f0d… fe80::4286:cbff:fe7… DNS 98 Standard query 0x1298 AAAA e2c56.gcp.gvt2.com
129 111.149517 fe80::4db6:20ec:f0d… fe80::4286:cbff:fe7… DNS 98 Standard query 0x94ec A e2c56.gcp.gvt2.com
130 111.149674 fe80::4db6:20ec:f0d… fe80::4286:cbff:fe7… DNS 98 Standard query 0xd644 HTTPS e2c56.gcp.gvt2.com
134 111.161542 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 369 Standard query response 0x94ec A e2c56.gcp.gvt2.com A 34.0.206…
135 111.162417 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 155 Standard query response 0xd644 HTTPS e2c56.gcp.gvt2.com SOA ns…
136 111.225066 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 155 Standard query response 0x1298 AAAA e2c56.gcp.gvt2.com SOA ns1…
164 111.613245 fe80::4db6:20ec:f0d… fe80::4286:cbff:fe7… DNS 100 Standard query 0x20fa AAAA beacons.gcp.gvt2.com
165 111.613571 fe80::4db6:20ec:f0d… fe80::4286:cbff:fe7… DNS 100 Standard query 0xe1bc A beacons.gcp.gvt2.com
166 111.613867 fe80::4db6:20ec:f0d… fe80::4286:cbff:fe7… DNS 100 Standard query 0x8cf7 HTTPS beacons.gcp.gvt2.com
167 111.621151 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 413 Standard query response 0x20fa AAAA beacons.gcp.gvt2.com CNAME…
168 111.623354 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 401 Standard query response 0xe1bc A beacons.gcp.gvt2.com CNAME be…
169 111.624613 fe80::4286:cbff:fe7… fe80::4db6:20ec:f0d… DNS 187 Standard query response 0x8cf7 HTTPS beacons.gcp.gvt2.com CNAM…
257 120.823633 fe80::4db6:20ec:f0d… fe80::4286:cbff:fe7… DNS 95 Standard query 0x8980 AAAA docs.google.com
Frame 99: 96 bytes on wire (768 bits), 96 bytes captured (768 bits) o
Ethernet II, Src: 0a:e0:af:c1:0d:1a (0a:e0:af:c1:0d:1a), Dst: DLink_7
Internet Protocol Version 6, Src: fe80::4db6:20ec:f0d1:e095, Dst: fe8
User Datagram Protocol, Src Port: 59223, Dst Port: 53
Domain Name System (query)
0000 40 86 cb 7a ce 40 0a e0 af c1 0d 1a 86 dd 60 0c
0010 92 c0 00 2a 11 40 fe 80 00 00 00 00 00 00 4d b6
0020 20 ec f0 d1 e0 95 fe 80 00 00 00 00 00 00 42 86
0030 cb ff fe 7a ce 40 e7 57 00 35 00 2a fd 64 70 30
0040 01 00 00 01 00 00 00 00 00 00 03 77 77 77 06 67
0050 6f 6f 67 6c 65 02 63 6f 02 69 6e 00 00 1c 00 01

Tcp:-


Capturing from Ethernet
File Edit View Go Capture Analyze Statistics Telephony Wireless Tools Help
tcp
No. Time Source Destination Protocol Lengtl Info
66 73.763840 192.168.0.102 157.240.237.60 TCP 54 51308 → 443 [ACK] Seq=349 Ack=443 Win=513 Len=0
67 81.102081 192.168.0.102 157.240.237.60 TLSv1.2 123 Application Data
68 81.103268 157.240.237.60 192.168.0.102 TCP 60 443 → 51308 [ACK] Seq=443 Ack=418 Win=420 Len=0
69 81.294699 157.240.237.60 192.168.0.102 TLSv1.2 125 Application Data
70 81.349346 192.168.0.102 157.240.237.60 TCP 54 51308 → 443 [ACK] Seq=418 Ack=514 Win=513 Len=0
79 90.978127 192.168.0.102 172.217.194.188 TCP 55 [TCP Keep-Alive] 51267 → 5228 [ACK] Seq=1 Ack=1 Win=510 Len=1
80 91.042631 172.217.194.188 192.168.0.102 TCP 66 [TCP Keep-Alive ACK] 5228 → 51267 [ACK] Seq=1 Ack=2 Win=1047 L…
92 105.779240 20.198.2.181 192.168.0.102 TCP 60 443 → 57852 [RST, ACK] Seq=1 Ack=1 Win=0 Len=0
95 109.099987 192.168.0.102 157.240.237.60 TLSv1.2 123 Application Data
96 109.103153 157.240.237.60 192.168.0.102 TCP 60 443 → 51308 [ACK] Seq=514 Ack=487 Win=420 Len=0
97 109.294656 157.240.237.60 192.168.0.102 TLSv1.2 125 Application Data
98 109.348993 192.168.0.102 157.240.237.60 TCP 54 51308 → 443 [ACK] Seq=487 Ack=585 Win=513 Len=0
137 111.225865 192.168.0.102 34.0.206.140 TCP 66 57853 → 443 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 WS=256 SACK_P…
138 111.352934 34.0.206.140 192.168.0.102 TCP 66 443 → 57853 [SYN, ACK] Seq=0 Ack=1 Win=64240 Len=0 MSS=1452 SA…
139 111.353069 192.168.0.102 34.0.206.140 TCP 54 57853 → 443 [ACK] Seq=1 Ack=1 Win=132096 Len=0
140 111.353994 192.168.0.102 34.0.206.140 TCP 1506 57853 → 443 [ACK] Seq=1 Ack=1 Win=132096 Len=1452 [TCP PDU rea…
Frame 4: 55 bytes on wire (440 bits), 55 bytes captured (440 bits) on
Ethernet II, Src: 0a:e0:af:c1:0d:1a (0a:e0:af:c1:0d:1a), Dst: DLink_7
Internet Protocol Version 4, Src: 192.168.0.102, Dst: 172.217.194.188
Transmission Control Protocol, Src Port: 51267, Dst Port: 5228, Seq:
Data (1 byte)
0000 40 86 cb 7a ce 40 0a e0 af c1 0d 1a 08 00 45 00 @··z·@·· ·····E·
0010 00 29 b3 1c 40 00 80 06 17 0e c0 a8 00 66 ac d9 ·)··@··· ·····f··
0020 c2 bc c8 43 14 6c 83 c2 ca 86 51 10 4f e3 50 10 ···C·l·· ··Q·O·P·
0030 01 fe b1 44 00 00 00 ···D···
Transmission Control Protocol: Protocol
Packets: 3643 · Displayed: 2857 (78.4%)
Profile: Default
ENG
11:20
16-01-2025