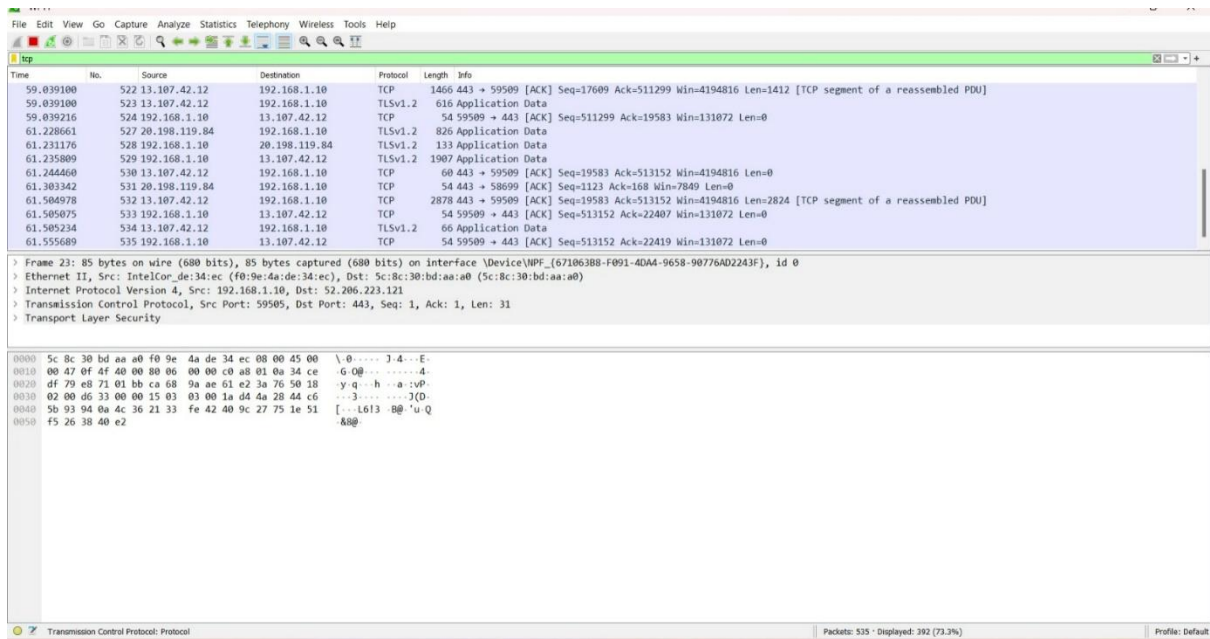


TCP



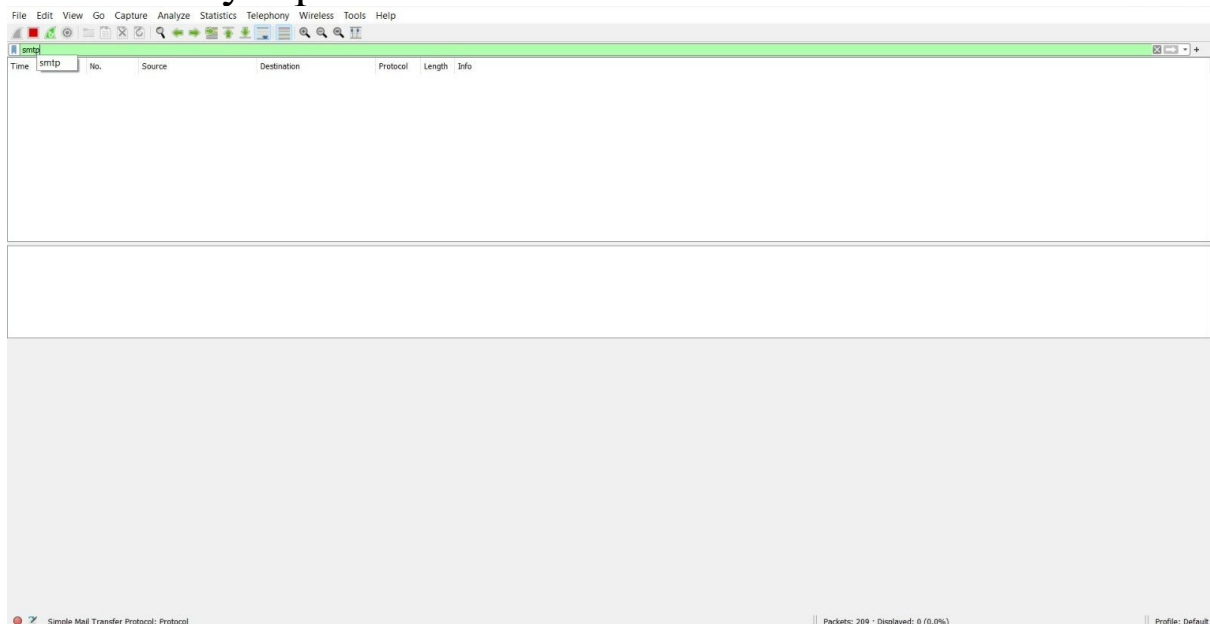
The image shows a Wireshark capture of a TCP connection. The packet list pane displays several packets, with packet 59 selected. The packet details pane shows the structure of the selected packet, including Ethernet II, Internet Protocol Version 4, Transmission Control Protocol, and Transport Layer Security. The packet bytes pane shows the raw data in hexadecimal and ASCII.

Time	No.	Source	Destination	Protocol	Length	Info
59.039100	522	13.107.42.12	192.168.1.10	TCP	1466	443 → 59509 [ACK] Seq=17609 Ack=511299 Win=4194816 Len=1412 [TCP segment of a reassembled PDU]
59.039100	523	13.107.42.12	192.168.1.10	TLSv1.2	616	Application Data
59.039216	524	192.168.1.10	13.107.42.12	TCP	54	59509 → 443 [ACK] Seq=511299 Ack=19583 Win=131072 Len=0
61.228661	527	20.198.119.84	192.168.1.10	TLSv1.2	826	Application Data
61.231176	528	192.168.1.10	20.198.119.84	TLSv1.2	133	Application Data
61.235809	529	192.168.1.10	13.107.42.12	TLSv1.2	1907	Application Data
61.244460	530	13.107.42.12	192.168.1.10	TCP	60	443 → 59509 [ACK] Seq=19583 Ack=513152 Win=4194816 Len=0
61.303342	531	20.198.119.84	192.168.1.10	TCP	54	443 → 58699 [ACK] Seq=1123 Ack=168 Win=7849 Len=0
61.504978	532	13.107.42.12	192.168.1.10	TCP	2878	443 → 59509 [ACK] Seq=19583 Ack=513152 Win=4194816 Len=2824 [TCP segment of a reassembled PDU]
61.505075	533	192.168.1.10	13.107.42.12	TCP	54	59509 → 443 [ACK] Seq=513152 Ack=22407 Win=131072 Len=0
61.505234	534	13.107.42.12	192.168.1.10	TLSv1.2	66	Application Data
61.555689	535	192.168.1.10	13.107.42.12	TCP	54	59509 → 443 [ACK] Seq=513152 Ack=22419 Win=131072 Len=0

Frame 23: 85 bytes on wire (680 bits), 85 bytes captured (680 bits) on interface \Device\NPF_{67106388-F091-4DA4-9658-90776AD2243F}, id 0
Ethernet II, Src: IntelCon_de:34:ec (f0:9e:4a:de:34:ec), Dst: 5c:8c:30:bd:aa:a0 (5c:8c:30:bd:aa:a0)
Internet Protocol Version 4, Src: 192.168.1.10, Dst: 52.206.223.121
Transmission Control Protocol, Src Port: 59509, Dst Port: 443, Seq: 1, Ack: 1, Len: 31
Transport Layer Security

0000 5c 8c 30 bd aa a0 f0 9e 4a de 34 ec 08 00 45 00 \.0....J.d...E-
0010 00 47 0f 4f 40 00 00 00 00 c0 a8 01 0a 34 ce .G.00.....4-
0020 df 79 e8 71 01 bb ca 68 9a ae 61 e2 3a 76 50 18 -y.q..h..a.:vP
0030 02 00 d6 33 00 00 15 03 03 00 1a d4 4a 28 44 c6 ...3.....)(D
0040 5b 93 94 0a 4c 36 21 33 fe 42 40 9c 27 75 1e 51 [...L613 .00'u Q
0050 f5 26 38 40 e2 .88@

Network layer protocol



The image shows a Wireshark capture of an SMTP connection. The packet list pane displays several packets, with packet 1 selected. The packet details pane shows the structure of the selected packet, including Ethernet II, Internet Protocol Version 4, and Simple Mail Transfer Protocol. The packet bytes pane shows the raw data in hexadecimal and ASCII.

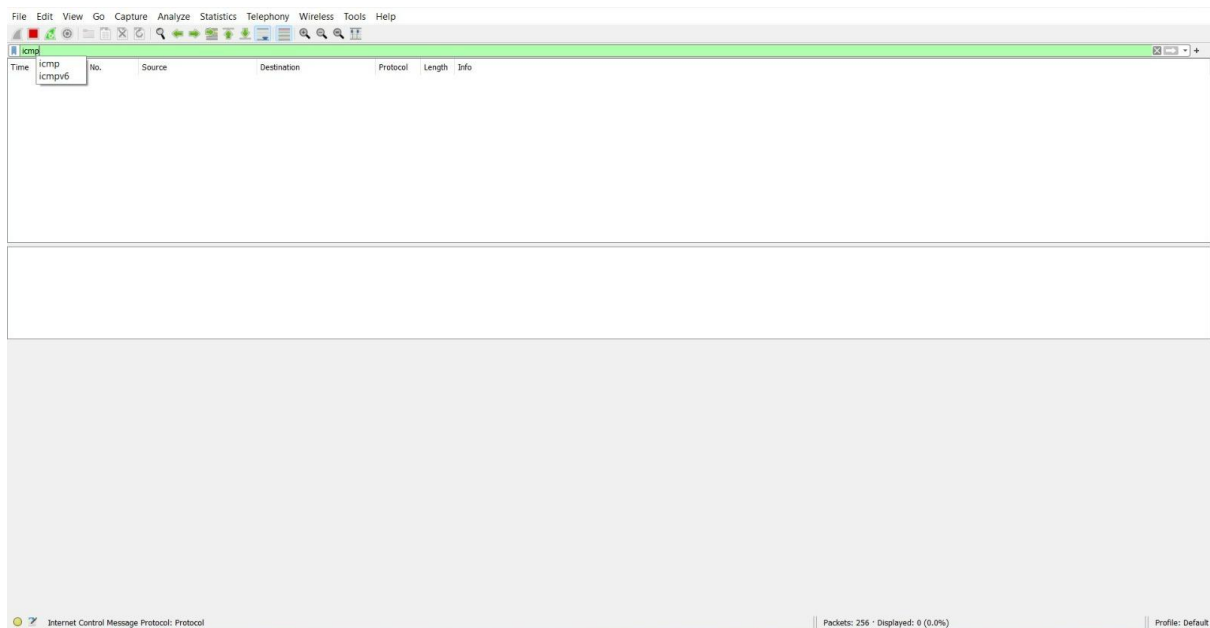
Time	No.	Source	Destination	Protocol	Length	Info
------	-----	--------	-------------	----------	--------	------

Simple Mail Transfer Protocol: Protocol

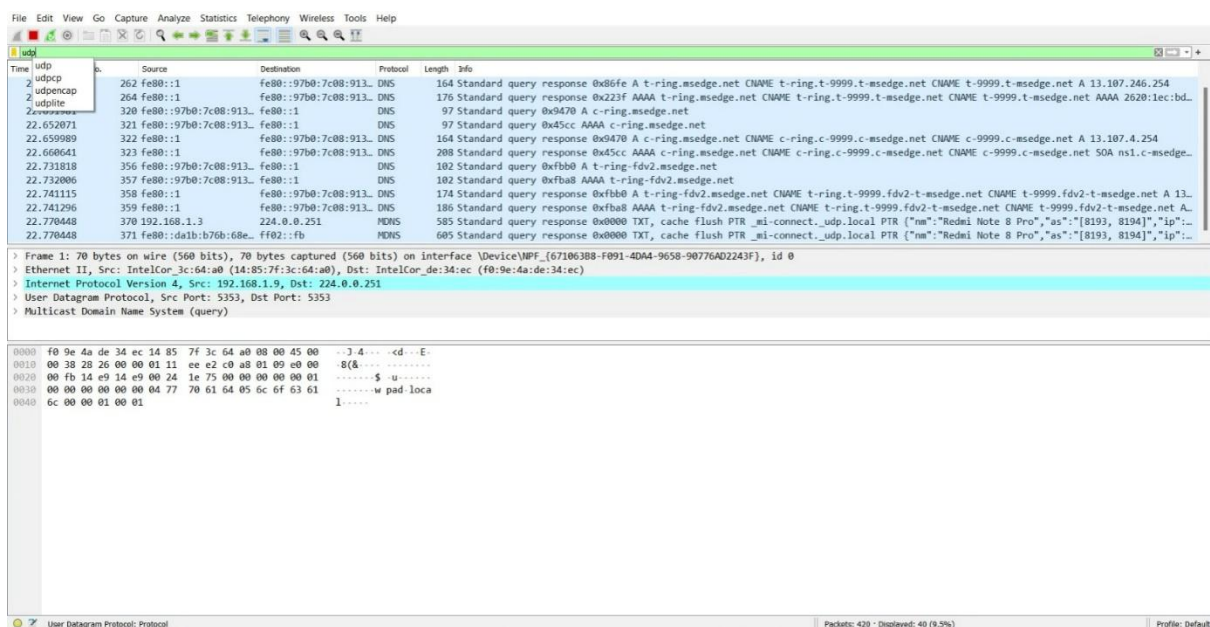
Packets: 209 · Displayed: 0 (0.0%)

Profile: Default

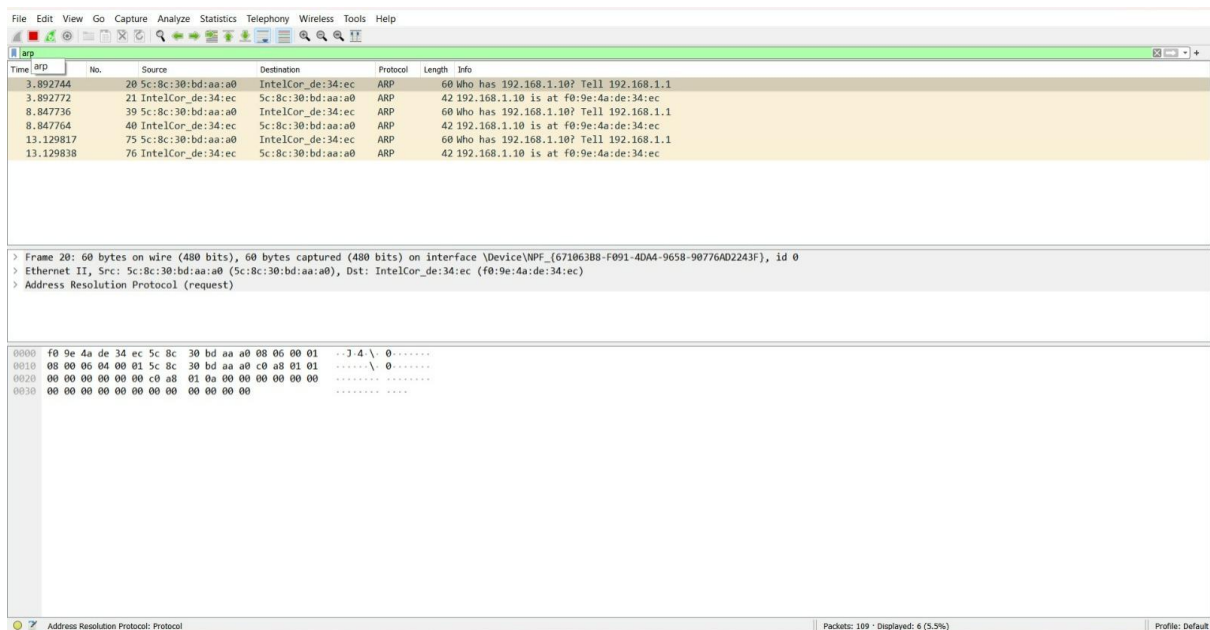
Network layer protocol header analysis using Wireshark - ICMP



Transport layer protocol header analysis using Wireshark - UDP



Network layer protocol header analysis using Wireshark - ARP



Network layer protocol header analysis using Wireshark - HTTP

