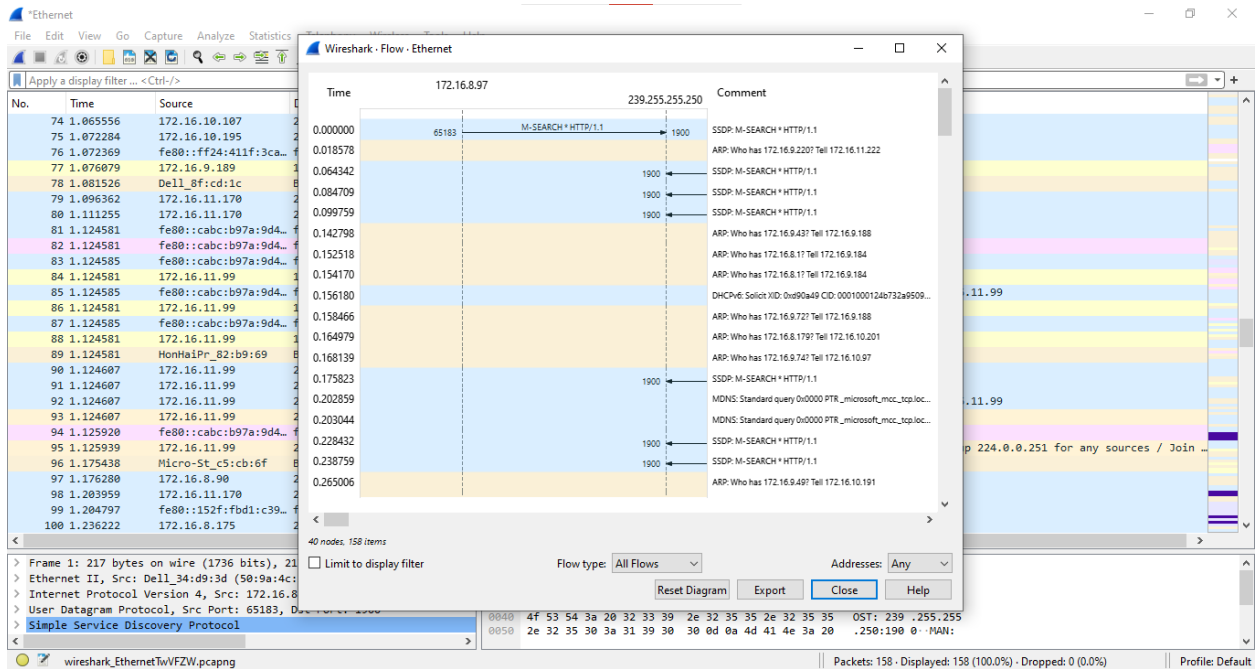
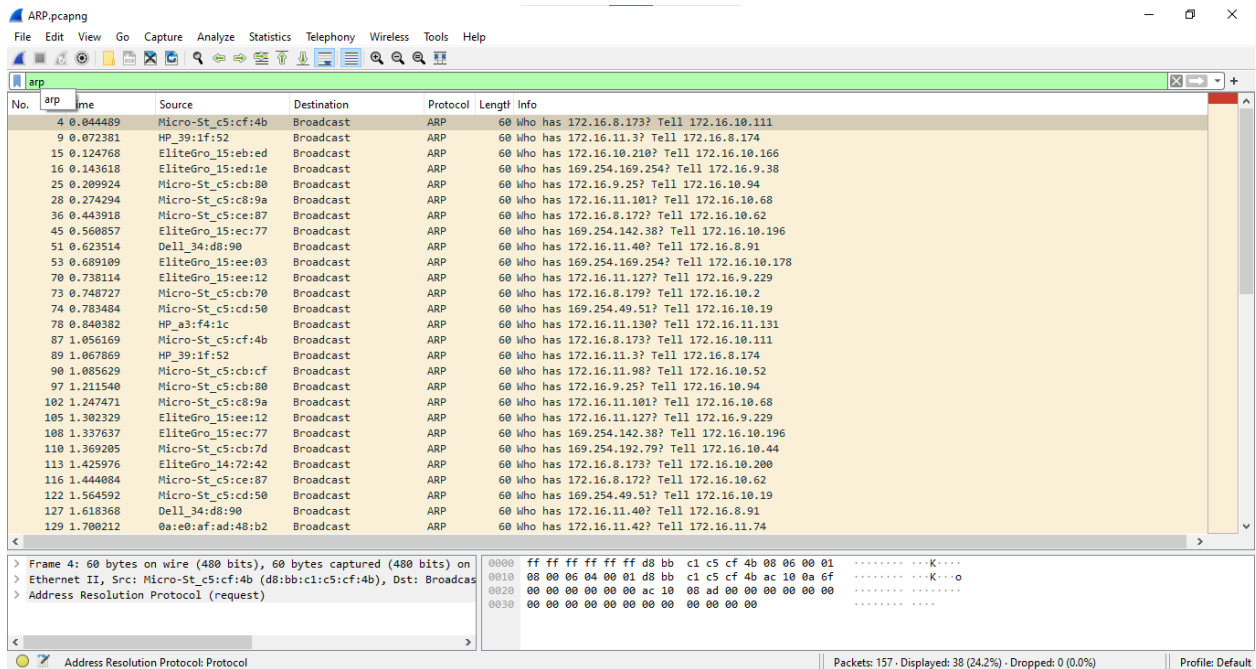


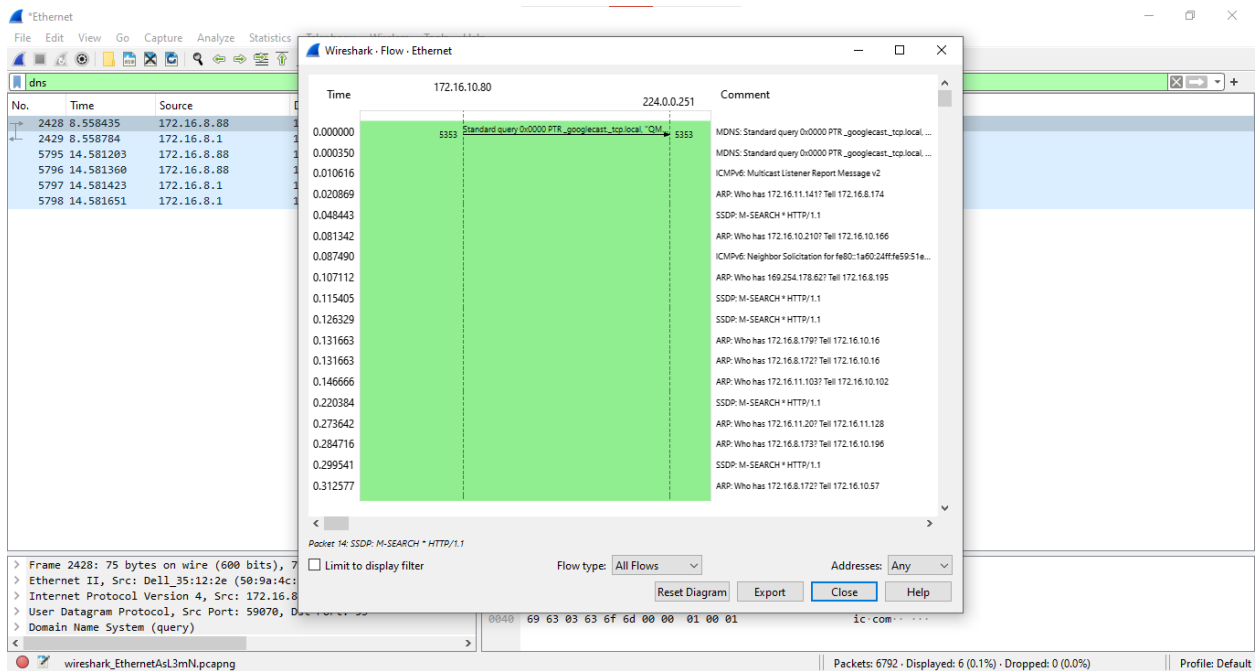
1. Create a Filter to display only TCP/UDP packets, inspect the packets and provide the flow graph.



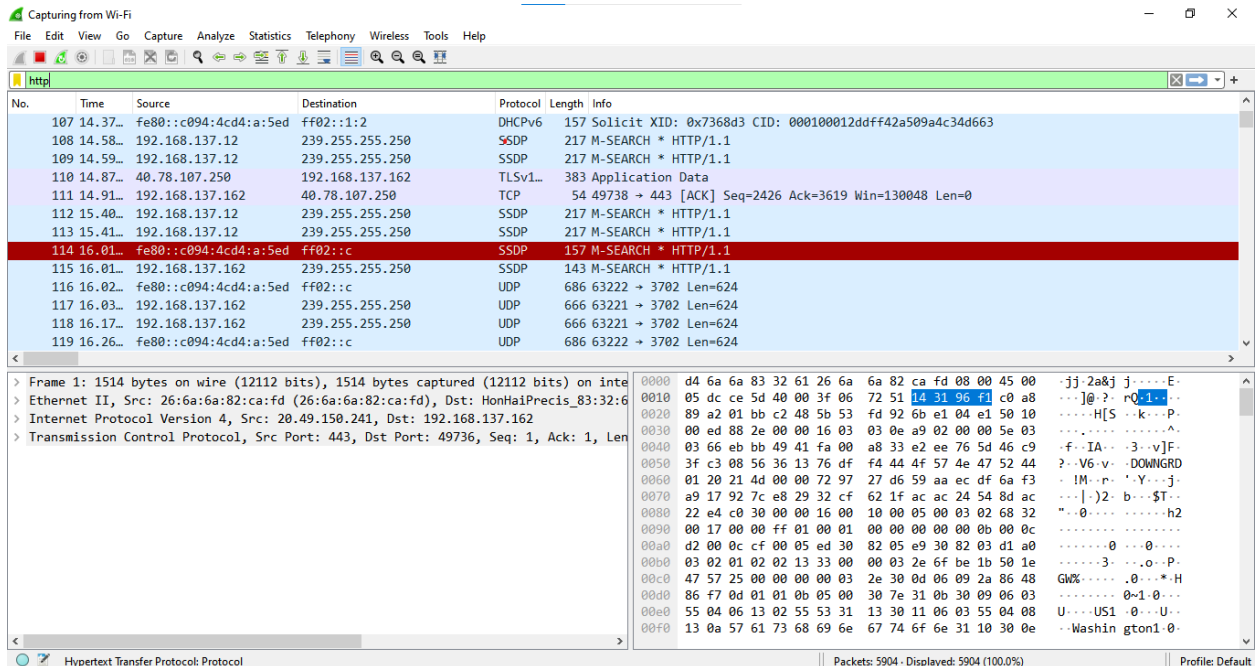
2. Create a Filter to display only ARP packets and inspect the packets.



3. Create a Filter to display only DNS packets and provide the flow graph.



4. Create a Filter to display only HTTP packets and inspect the packets



5. Create a Filter to display only IP/ICMP packets and inspect the packets.

The image displays two screenshots of the Wireshark network protocol analyzer. The top screenshot shows the 'IP' filter applied, displaying a list of network packets. The bottom screenshot shows the 'ICMP' filter applied, displaying a list of ICMP packets.

Top Screenshot: IP Filter

No.	Time	Source	Destination	Protocol	Length	Info
2	0.046253	172.16.8.6	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
3	0.059809	172.16.9.30	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
4	0.081207	172.16.8.116	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
5	0.104942	172.16.9.69	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
6	0.117049	172.16.11.137	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
7	0.153762	172.16.9.134	239.255.255.250	SSDP	216	M-SEARCH * HTTP/1.1
8	0.175256	172.16.10.74	224.0.0.251	MDNS	363	Standard query response 0x0000 PTR, cache flush DESKTOP-KKI0I82._dosvc._tcp.local SRV, cache flush 0 0 7680
10	0.175787	172.16.10.74	224.0.0.251	MDNS	299	Standard query response 0x0000 SRV, cache flush 0 0 7680 DESKTOP-KKI0I82.local TXT, cache flush A, cache flu
12	0.213560	172.16.8.23	239.255.255.250	SSDP	216	M-SEARCH * HTTP/1.1
15	0.286776	172.16.10.83	239.255.255.250	SSDP	216	M-SEARCH * HTTP/1.1
18	0.291175	172.16.8.88	172.16.10.72	TCP	66	2779 → 7680 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 DS=256 SACK_PERM
21	0.366807	172.16.10.28	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
23	0.450905	172.16.8.176	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
25	0.485044	172.16.8.45	172.16.11.255	NBNS	92	Name query NB MAC-390CFB<00>
27	0.485472	172.16.8.45	224.0.0.252	LLMNR	70	Standard query 0x6e19 A MAC-390CFB
28	0.485858	172.16.9.6	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
29	0.518814	172.16.8.88	172.16.10.17	TCP	66	5748 → 7680 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 DS=256 SACK_PERM
30	0.542556	172.16.8.168	239.255.255.250	SSDP	216	M-SEARCH * HTTP/1.1
33	0.621540	172.16.10.84	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
34	0.644665	172.16.10.23	239.255.255.250	SSDP	216	M-SEARCH * HTTP/1.1
38	0.689735	172.16.10.67	172.16.11.101	TCP	66	57697 → 7680 [SYN] Seq=0 Win=64240 Len=0 MSS=1460 DS=256 SACK_PERM
42	0.796266	172.16.9.231	172.16.11.255	BROWSER	217	Request Announcement BOTZ
43	0.803605	172.16.8.45	172.16.11.255	BROWSER	243	Local Master Announcement HDC00153, Workstation, Server, NT Workstation, Potential Browser, Master Browser
45	0.871558	172.16.9.82	239.255.255.250	SSDP	217	M-SEARCH * HTTP/1.1
46	0.881020	172.16.10.41	224.0.0.251	MDNS	283	Standard query response 0x0000 PTR hdc0222052._dosvc._tcp.local SRV 0 0 7680 hdc0222052.local TXT
48	0.882314	172.16.10.41	224.0.0.251	MDNS	88	Standard query 0x0000 ANY hdc0222052._dosvc._tcp.local, "QM" question
51	0.906630	172.16.8.45	224.0.0.252	LLMNR	70	Standard query 0x6e19 A MAC-390CFB

Bottom Screenshot: ICMP Filter

No.	Time	Source	Destination	Protocol	Length	Info
8255	16.086949	172.16.11.126	172.16.10.230	ICMP	66	Echo (ping) request id=0x0100, seq=0/0, ttl=126 (no response found!)
8323	17.201074	172.16.11.126	172.16.10.230	ICMP	66	Echo (ping) request id=0x0200, seq=0/0, ttl=126 (no response found!)
8343	17.356481	172.16.8.1	172.16.8.226	ICMP	62	Echo (ping) request id=0x106f, seq=0/0, ttl=64 (no response found!)

6. Create a Filter to display only DHCP packets and inspect the packets.

