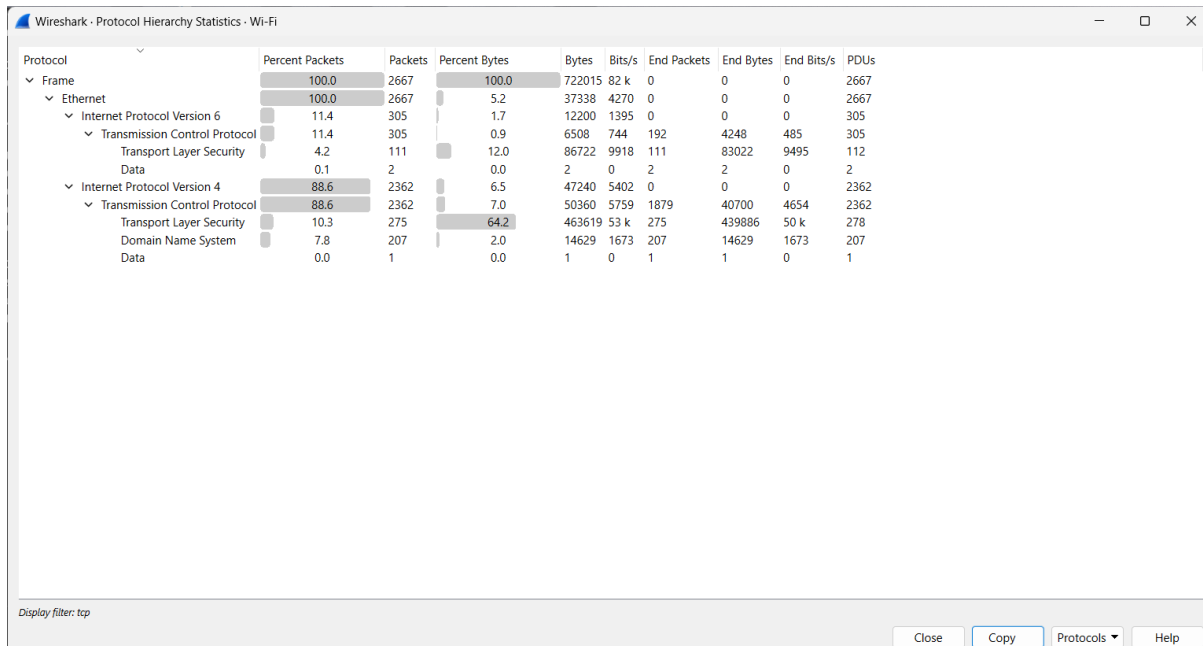


TASK 5

Protocols Identified:

Protocol	Purpose	Captured Packets Description
DNS (Domain Name System)	Resolves domain names (like www.google.com) into IP addresses.	Captured standard query and response packets for domains like windows.msn.com, google.com etc.
TCP (Transmission Control Protocol)	Reliable, connection-oriented communication protocol used for most web and application traffic.	Captured SYN, ACK, and Application Data packets during a connection to windows.msn.com and other servers over port 443 (HTTPS).
ARP (Address Resolution Protocol)	Resolves IP addresses to MAC (hardware) addresses on a local network.	Captured ARP Requests and Replies like Who has 192.168.241.207? Tell 192.168.241.38.

Protocol percentage (DNS):-



Protocol percentage (ARP):-

Wireshark - Protocol Hierarchy Statistics - Wi-Fi

Protocol	Percent Packets	Packets	Percent Bytes	Bytes	Bits/s	End Packets	End Bytes	End Bits/s	PDUs
▼ Frame	100.0	4	100.0	168	29	0	0	0	4
▼ Ethernet	100.0	4	33.3	56	9	0	0	0	4
Address Resolution Protocol	100.0	4	66.7	112	19	4	112	19	4

Display filter: arp

Close Copy Protocols Help

Protocol Percentage(TCP):-

Wireshark - Protocol Hierarchy Statistics - Wi-Fi

Protocol	Percent Packets	Packets	Percent Bytes	Bytes	Bits/s	End Packets	End Bytes	End Bits/s	PDUs
▼ Frame	100.0	2667	100.0	722015	82 k	0	0	0	2667
▼ Ethernet	100.0	2667	5.2	37338	4270	0	0	0	2667
Internet Protocol Version 6	11.4	305	1.7	12200	1395	0	0	0	305
Transmission Control Protocol	11.4	305	0.9	6508	744	192	4248	485	305
Transport Layer Security	4.2	111	12.0	86722	9918	111	83022	9495	112
Data	0.1	2	0.0	2	0	2	2	0	2
Internet Protocol Version 4	88.6	2362	6.5	47240	5402	0	0	0	2362
Transmission Control Protocol	88.6	2362	7.0	50360	5759	1879	40700	4654	2362
Transport Layer Security	10.3	275	64.2	463619	53 k	275	439886	50 k	278
Domain Name System	7.8	207	2.0	14629	1673	207	14629	1673	207
Data	0.0	1	0.0	1	0	1	1	0	1

Display filter: tcp

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