

# Network Traffic Report

Interface used : Wifi (192.168.1.4)

Capture date : 11-08-2025

Duration : 1min

## Protocols observed

### 1. TCP

Purpose : A connection-oriented protocol which helps in the exchange of messages between different devices over a network.

Example (from capture) :

1 0.000000	192.168.1.4	52.123.128.14	TCP	54 41503 → 443 [FIN, ACK] Seq=1 Ack=1 Win=255 Len=0
2 0.040989	52.123.128.14	192.168.1.4	TCP	54 443 → 41503 [ACK] Seq=1 Ack=2 Win=16381 Len=0
3 0.040989	52.123.128.14	192.168.1.4	TCP	54 443 → 41503 [FIN, ACK] Seq=1 Ack=2 Win=16381 Len=0

Termination of a TCP session between the local host 192.168.1.4 and server 52.123.128.14 (port 443).

Packet 1: 41503 → 443 [FIN, ACK] — Client signals end of transmission.

Packet 2: 443 → 41503 [ACK] — Server acknowledges.

Packet 3: 443 → 41503 [FIN, ACK] — Server closes its side of the connection.

### 2. DNS

Purpose : Translated domain names into IP address.

Example (from capture):

576 34.425147	192.168.1.4	192.168.1.1	DNS	89 Standard query 0xacc3 A clientservices.googleapis.com
577 34.436112	192.168.1.1	192.168.1.4	DNS	105 Standard query response 0xacc3 A clientservices.googleapis.com A 142.251.223.163

Standard query A and its response.

### 3. HTTP

Purpose : Enables transfer of data between client and server.

Example (from capture):

894 43.001541	192.168.1.4	142.251.221.195	HTTP	256 GET /r/gsr4.crl HTTP/1.1
904 43.184517	142.251.221.195	192.168.1.4	PKIX-C...	1372 Certificate Revocation List

Server responds with a Certificate Revocation List file.