

Wireshark Network Traffic Analysis Report

Protocol	Packet Count	Purpose
DNS	10	Resolves domain names to IP addresses
TCP	2936	Establishes and manages reliable connections between devices
HTTP	14	Transfers web page data in plaintext
TLS	799	Encrypts application data for secure communication (HTTPS)

Summary of Findings

During the Wireshark capture on the active Wi-Fi interface, multiple protocols were identified from browsing flipkart.com and performing ping tests. The capture contained DNS, TCP, HTTP, and TLS traffic.

- DNS:** Several DNS queries and responses were observed, such as resolving storage.live.com to 40.90.136.3 and flipkart.com to its associated IP addresses.
- TCP:** Numerous TCP packets were recorded, showing connection establishment (SYN), acknowledgment (ACK), and termination sequences between the client and various servers.
- HTTP:** A small number of unencrypted HTTP requests were detected, likely from background services or specific resources.
- TLS/HTTPS:** Most of the web traffic used encrypted HTTPS over TLS 1.3, with Client Hello and Server Hello handshakes visible, followed by encrypted application data.