# Wireshark Packet Analysis

1. Sample ARP Packet Observed (via Wireshark)

- **Sender IP:** 192.168.1.4
- **Target IP:** 192.168.1.14
- **Sender MAC:** 50:5a:65:ff:32:a3
- **Broadcast:** ff:ff:ff:ff:ff:ff

This ARP request shows how devices on the network discover each other's MAC addresses. It complements port scanning by helping identify live hosts in a subnet.

2.  ARP Request Sample – Samsung Device

- **Frame Number:** 27418
- **Sender IP:** 192.168.1.6
- **Sender MAC:** d0:fc:cc:7c:5b:25 (SamsungElect)
- **Target IP:** 192.168.1.4
- **Target MAC:** 00:00:00:00:00:00 (Unknown)
- **Packet Type:** ARP Request (Broadcast)

This ARP request was captured using Wireshark. It demonstrates how devices resolve MAC addresses in a local network and highlights the role ARP plays in basic network reconnaissance.