

DATE: 14 JULY 2025

DAY: MONDAY

DAY 17 – Performing ARP Spoofing MITM Attack

LEARNING OBJECTIVES:-

- Intercept IoT communication using ARP spoofing.
- Capture unencrypted HTTP API calls.

Overview:-

Day 17 introduced the real execution of an ARP spoofing attack. The ESP32's HTTP requests to ThingSpeak were intercepted and examined.

Activities:-

- Spoofed ARP tables of ESP32 and router.
- Captured plaintext API key from packets.

Insights:-

- Observed risk of sending data over HTTP.
- Understood MITM threats in IoT networks.