Term Project

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Device: ASUS AI800M PRO

1. Device Information

From the app of the IoT device, we can find the mac address of it, 0c:9d:92:05:00:7e.

2. ARP Spoofing

I use my windows 10 as attacker, and the IoT and the attack use the same wi-fi. The attacker IP: 192.168.0.23, attacker mac address: d8-c4-97-c2-cf-f2. The IoT IP: 192.168.0.45 (get by the ip scanning), IoT mac address: 0c:9d:92:05:00:7e.

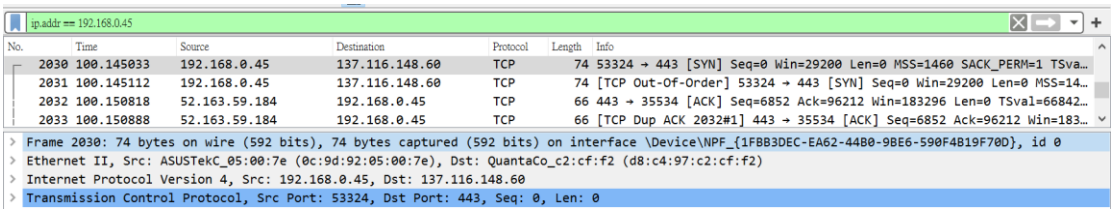


Figure 1. Victim IoT to Attacker

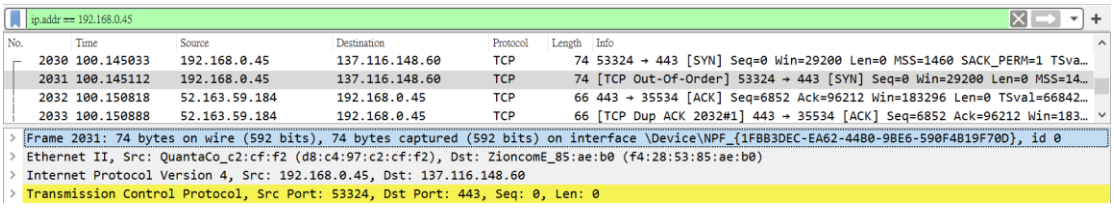


Figure 2. Attacker to AP

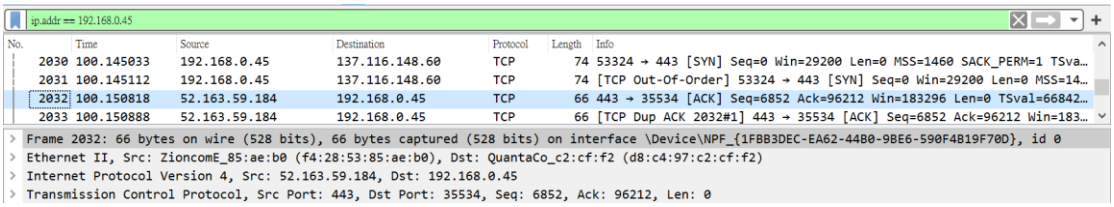


Figure 3. AP to Attacker

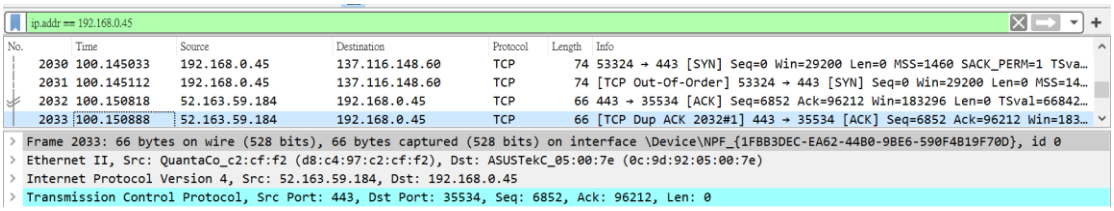
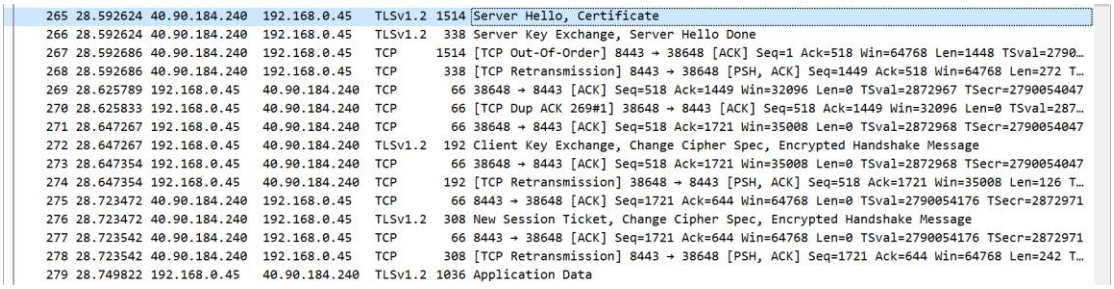


Figure 4. Attacker to Victim IoT

3. MITM Attack



Application data using the TLSv1.2 to transfer, so it's difficult to do the MITM attack.