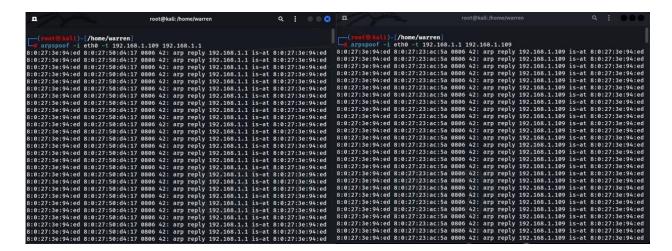
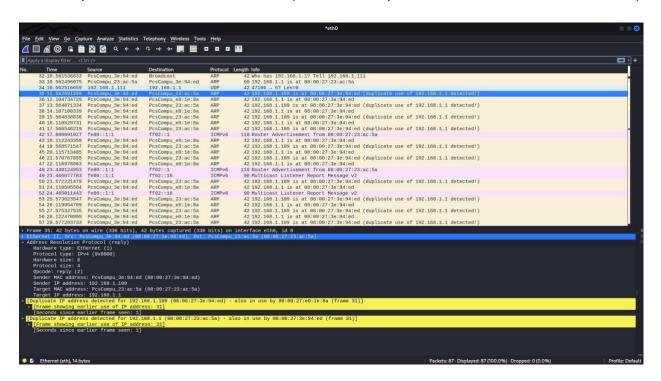
ARP Spoof Attack in Kali Linux targeting Windows machine and firewall:



Packet Capture of the attack in Wireshark (we can see duplicate IP addresses for both machines):



(Save Packet Capture and load .pcap in ARP Spoof Detector source code.)

## Arp Spoof Detector Python program running (ARP Attack Detected):

```
warren⊕ kali)-[~]
 _$ python3 arpspoof_detector.py
Who has 192.168.1.109 asks 192.168.1.111 (08:00:27:3e:94:ed)
192.168.1.109 is at 08:00:27:e0:1e:8a
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
Who has 192.168.1.1 asks 192.168.1.111 (08:00:27:3e:94:ed)
192.168.1.1 is at 08:00:27:23:ac:5a
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.109
192.168.1.1 is at 08:00:27:3e:94:ed
ATTACK DETECTED: 08:00:27:3e:94:ed, formerly known as 192.168.1.111, is trying to become 192.168.1.1
192.168.1.109 is at 08:00:27:3e:94:ed
```

(Note: This program is designed for saved packet captures and not a live ARP attack.)