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## ARP Spoofing

- a. 08:00:27:11:cf:53
- b. 10.0.2.15
- c. 08:00:27:1a:45:12
- d. 10.0.4.2

```
(kali@kali)-[~]
$ netstat -rn
Kernel IP routing table
Destination Gateway Genmask Flags MSS Window irtt Iface
0.0.0.0 10.0.2.1 0.0.0.0 UG 0 0 0 eth0
10.0.2.0 0.0.0.0 255.255.255.0 U 0 0 0 eth0

(kali@kali)-[~]
$ netstat -r
Kernel IP routing table
Destination Gateway Genmask Flags MSS Window irtt Iface
default 10.0.2.1 0.0.0.0 UG 0 0 0 eth0
10.0.2.0 0.0.0.0 255.255.255.0 U 0 0 0 eth0

(kali@kali)-[~]
$
```

e.

```
(kali@kali)-[~]
$ arp
Address HWtype HWaddress Flags Mask Iface
10.0.2.1 ether 52:54:00:12:35:00 C eth0
10.0.2.3 ether 08:00:27:19:52:bc C eth0
```

f.

```
msfadmin@metasploitable:~$ netstat -rn
Kernel IP routing table
Destination Gateway Genmask Flags MSS Window irtt Iface
10.0.2.0 0.0.0.0 255.255.255.0 U 0 0 0 eth0
0.0.0.0 10.0.2.1 0.0.0.0 UG 0 0 0 eth0
```

g.

```
msfadmin@metasploitable:~$ arp
Address HWtype HWaddress Flags Mask Iface
10.0.2.3 ether 08:00:27:19:52:BC C eth0
10.0.2.3 ether 08:00:27:19:52:BC C eth0
```

h.

- i. None, Metasploitable cannot send a packet to the MAC address of Jeff's web page because that server is not on the same network.
- j. There is a response on Metasploitable with the webpage HTML, but no packets are captured on wireshark because it is running on a separate virtual machine.