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LAB3 REPORT

PART1 DHCP

Ipconfig release, ipconfig renew:

```
Last login: Wed Jun 19 15:35:56 on ttys000
[amaris-MacBook-Pro:~ jun$ sudo ipconfig set en0 BOOTP
Password:
amaris-MacBook-Pro:~ jun$ sudo ipconfig set en0 DHCP
[amaris-MacBook-Pro:~ jun$ sudo ipconfig set en0 DHCP
[amaris-MacBook-Pro:~ jun$ sudo ipconfig set en0 BOOTP
amaris-MacBook-Pro:~ jun$ sudo ipconfig set en0 DHCP
[amaris-MacBook-Pro:~ jun$ ifconfig
100: flags=8049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 16384
        options=1203<RXCSUM, TXCSUM, TXSTATUS, SW_TIMESTAMP>
        inet 127.0.0.1 netmask 0xff000000
        inet6 :: 1 prefixlen 128
        inet6 fe80::1%lo0 prefixlen 64 scopeid 0x1
        nd6 options=201<PERFORMNUD,DAD>
gif0: flags=8010<POINTOPOINT, MULTICAST> mtu 1280
stf0: flags=0<> mtu 1280
XHC1: flags=0<> mtu 0
XHC20: flags=0<> mtu 0
VHC128: flags=0<> mtu 0
XHC0: flags=0<> mtu 0
ap1: flags=8802<BROADCAST, SIMPLEX, MULTICAST> mtu 1500
        ether f2:18:98:b5:23:6f
        media: autoselect
        status: inactive
en0: flags=8863<UP, BROADCAST, SMART, RUNNING, SIMPLEX, MULTICAST> mtu 1500
        ether f0:18:98:b5:23:6f
        inet6 fe80::108c:92fa:b909:952c%en0 prefixlen 64 secured scopeid 0xa
        inet 10.0.89.15 netmask 0xffff8000 broadcast 10.0.127.255
        nd6 options=201<PERFORMNUD,DAD>
        media: autoselect
        status: active
p2p0: flags=8843<UP, BROADCAST, RUNNING, SIMPLEX, MULTICAST> mtu 2304
        ether 02:18:98:b5:23:6f
        media: autoselect
        status: inactive
awdl0: flags=8943<UP,BROADCAST,RUNNING,PROMISC,SIMPLEX,MULTICAST> mtu 1484
        ether 9a:25:34:28:33:ee
        inet6 fe80::9825:34ff:fe28:33ee%awdl0 prefixlen 64 scopeid 0xc
        nd6 options=201<PERFORMNUD, DAD>
        media: autoselect
        status: active
```

1. DHCP messages are send over UDP.

▶ Frame 1193: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
▶ Ethernet II, Src: Apple_b5:23:6f (f0:18:98:b5:23:6f), Dst: Broadcast (ff:ff:ff:ff:ff)
▶ Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255
▶ User Datagram Protocol, Src Port: 68, Dst Port: 67
▶ Dynamic Host Configuration Protocol (Discover)

```
▶ Frame 1211: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: Cisco-Li_41:96:40 (c8:d7:19:41:96:40), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
▶ Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.120
▶ User Datagram Protocol, Src Port: 67, Dst Port: 68
▶ Dynamic Host Configuration Protocol (Offer)
▶ Frame 1220: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
▶ Ethernet II, Src: Apple_c2:94:53 (f4:5c:89:c2:94:53), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
▶ Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255.255
▶ User Datagram Protocol, Src Port: 68, Dst Port: 67
▶ Dynamic Host Configuration Protocol (Request)
▶ Frame 527: 590 bytes on wire (4720 bits), 590 bytes captured (4720 bits) on interface 0
▶ Ethernet II, Src: Nomadix_03:35:c5 (00:50:e8:03:35:c5), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
▶ Internet Protocol Version 4, Src: 10.0.0.6, Dst: 10.0.89.15
▶ User Datagram Protocol, Src Port: 67, Dst Port: 68
▶ Dynamic Host Configuration Protocol (ACK)
```

2. DHCP use client-server architecture

3. DHCP Timing datagram



4.

```
▶ Frame 1039: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
▶ Ethernet II, Src: Apple_b5:23:6f (f0:18:98:b5:23:6f), Dst: Broadcast (ff:ff:ff:ff:ff)
▶ Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255.255
▶ User Datagram Protocol, Src Port: 68, Dst Port: 67
▶ Dynamic Host Configuration Protocol (Discover)
```

5.

```
Frame 1039: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: Apple_b5:23:6f (f0:18:98:b5:23:6f), Dst: Broadcast (ff:ff:ff:ff:ff)
Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255.255
User Datagram Protocol, Src Port: 68, Dst Port: 67
Dynamic Host Configuration Protocol (Discover)
  Message type: Boot Request (1)
  Hardware type: Ethernet (0x01)
  Hardware address length: 6
  Hops: 0
  Transaction ID: 0x2821219b
  Seconds elapsed: 0
▶ Bootp flags: 0x0000 (Unicast)
  Client IP address: 0.0.0.0
  Your (client) IP address: 0.0.0.0
  Next server IP address: 0.0.0.0
  Relay agent IP address: 0.0.0.0
  Client MAC address: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Server host name not given
  Boot file name not given
  Magic cookie: DHCP
▼ Option: (53) DHCP Message Type (Discover)
    Length: 1
    DHCP: Discover (1)
```

```
Frame 1106: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: Apple_b5:23:6f (f0:18:98:b5:23:6f), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255.255
User Datagram Protocol, Src Port: 68, Dst Port: 67
Dynamic Host Configuration Protocol (Request)
  Message type: Boot Request (1)
  Hardware type: Ethernet (0x01)
  Hardware address length: 6
  Transaction ID: 0x2821219b
  Seconds elapsed: 1
▶ Bootp flags: 0x0000 (Unicast)
  Client IP address: 0.0.0.0
  Your (client) IP address: 0.0.0.0
  Next server IP address: 0.0.0.0
  Relay agent IP address: 0.0.0.0
  Client MAC address: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Server host name not given
  Boot file name not given
  Magic cookie: DHCP
▼ Option: (53) DHCP Message Type (Request)
    Length: 1
    DHCP: Request (3)
```

6. Transaction ID of the first four messages

1039 9.695511	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover	- Transaction ID 0x2821219b
1040 9.705166	10.0.0.6	10.0.89.15	DHCP	590 DHCP Offer	- Transaction ID 0x2821219b
1041 9.705170	192.168.1.1	192.168.1.131	DHCP	342 DHCP Offer	- Transaction ID 0x2821219b
1106 10.706149	0.0.0.0	255.255.255.255	DHCP	342 DHCP Request	- Transaction ID 0x2821219b
1107 10.707908	10.0.0.6	10.0.89.15	DHCP	590 DHCP ACK	- Transaction ID 0x2821219b

Transaction ID of second set of DHCP messages

2258 19.506496	0.0.0.0	255.255.255.255	DHCP	342 DHCP Request	Transaction ID 0xd299baa3
2259 19.509837	10.0.0.6	10.0.89.15	DHCP	590 DHCP ACK	- Transaction ID 0xd299baa3

We need transaction id to help the client to recognize which DHCP is responding to the request.

7. Source IP address for host is 0.0.0.0. Destination address for both client and server is 255.255.255.255.

Source IP address for server is its actual IP address.

2161 18.495021	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Tran	saction ID 0xd299baa3
2163 18.504709	10.0.0.6	10.0.89.15	DHCP	590 DHCP Offer - Tran	saction ID 0xd299baa3
2164 18.504714	192.168.1.1	192.168.1.131	DHCP	342 DHCP Offer - Tran	saction ID 0xd299baa3
2258 19.506496	0.0.0.0	255.255.255.255	DHCP	342 DHCP Request - Tran	saction ID 0xd299baa3
2259 19.509837	10.0.0.6	10.0.89.15	DHCP	590 DHCP ACK - Tran	saction ID 0xd299baa3

8. The IP address of my DHCP server is 192.168.1.1

2161 18.495021	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0xd299ba	a3
2163 18.504709	10.0.0.6	10.0.89.15	DHCP	590 DHCP Offer - Transaction ID 0xd299ba	a3
2164 18.504714	192.168.1.1	192.168.1.131	DHCP	342 DHCP Offer - Transaction ID 0xd299ba	a3
2258 19.506496	0.0.0.0	255.255.255.255	DHCP	342 DHCP Request - Transaction ID 0xd299ba	a3
2259 19.509837	10.0.0.6	10.0.89.15	DHCP	590 DHCP ACK - Transaction ID 0xd299ba	a3

9. The DHCP server offer 192.168.1.131 to my host, the lease time is 1 day, the offered IP is contained in the "DHCP massage type(offer)"

```
Frame 1041: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: Cisco-Li_41:96:40 (c8:d7:19:41:96:40), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.131
User Datagram Protocol, Src Port: 67, Dst Port: 68
Dynamic Host Configuration Protocol (Offer)
  Message type: Boot Reply (2)
  Hardware type: Ethernet (0x01)
  Hardware address length: 6
  Hops: 0
  Transaction ID: 0x2821219b
  Seconds elapsed: 0
▶ Bootp flags: 0x0000 (Unicast)
  Client IP address: 0.0.0.0
  Your (client) IP address: 192.168.1.131
  Next server IP address: 192.168.1.1
  Relay agent IP address: 0.0.0.0
  Client MAC address: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Server host name: ecosystem.home.cisco.com
  Boot file name not given
  Magic cookie: DHCP
▼ Option: (53) DHCP Message Type (Offer)
    DHCP: Offer (2)
▼ Option: (54) DHCP Server Identifier (192.168.1.1)
     DHCP Server Identifier: 192.168.1.1
▼ Option: (51) IP Address Lease Time
    IP Address Lease Time: (86400s) 1 day
▼ Option: (58) Renewal Time Value
     Length: 4
     Renewal Time Value: (43200s) 12 hours
▼ Option: (59) Rebinding Time Value
    Length: 4
     Rebinding Time Value: (75600s) 21 hours
▼ Option: (1) Subnet Mask (255.255.255.0)
     Length: 4
     Subnet Mask: 255.255.25.0
▼ Option: (28) Broadcast Address (192.168.1.255)
     Broadcast Address: 192.168.1.255
▼ Option: (6) Domain Name Server
     Length: 4
     Domain Name Server: 192.168.1.1
```

- 10. DHCP server also provides network configuration information for the client
- 11. The relay agent IP address is 0.0.0.0 in the given example, this indicates that there is no relay agent. In my experiment,

there is no relay agent, since the relay agent IP address in my experiment is also 0.0.0.0.

```
Frame 1041: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: Cisco-Li_41:96:40 (c8:d7:19:41:96:40), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.131
User Datagram Protocol, Src Port: 67, Dst Port: 68
Dynamic Host Configuration Protocol (Offer)
  Message type: Boot Reply (2)
  Hardware type: Ethernet (0x01)
  Hardware address length: 6
  Hops: 0
  Transaction ID: 0x2821219b
  Seconds elapsed: 0
▶ Bootp flags: 0x0000 (Unicast)
  Client IP address: 0.0.0.0
  Your (client) IP address: 192.168.1.131
  Next server IP address: 192.168.1.1
  Relay agent IP address: 0.0.0.0
  Client MAC address: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Server host name: ecosystem.home.cisco.com
  Boot file name not given
  Magic cookie: DHCP
```

12. The purpose of the router line is to default gateway for the client. The purpose of the subnet mask line is to tell the client to use which subnet mask.

```
Frame 1041: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: Cisco-Li_41:96:40 (c8:d7:19:41:96:40), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
Internet Protocol Version 4, Src: 192.168.1.1, Dst: 192.168.1.131
User Datagram Protocol, Src Port: 67, Dst Port: 68
Dynamic Host Configuration Protocol (Offer)
  Message type: Boot Reply (2)
  Hardware type: Ethernet (0x01)
  Hardware address length: 6
  Hops: 0
  Transaction ID: 0x2821219b
  Seconds elapsed: 0
▶ Bootp flags: 0x0000 (Unicast)
  Client IP address: 0.0.0.0
  Your (client) IP address: 192,168,1,131
  Next server IP address: 192.168.1.1
  Relay agent IP address: 0.0.0.0
  Client MAC address: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Server host name: ecosystem.home.cisco.com
  Boot file name not given
  Magic cookie: DHCP
▶ Option: (53) DHCP Message Type (Offer)
▶ Option: (54) DHCP Server Identifier (192.168.1.1)
▶ Option: (51) IP Address Lease Time
▶ Option: (58) Renewal Time Value
▶ Option: (59) Rebinding Time Value
▶ Option: (1) Subnet Mask (255.255.255.0)
▶ Option: (28) Broadcast Address (192.168.1.255)
▶ Option: (6) Domain Name Server
▼ Option: (3) Router
    Length: 4
    Router: 192,168,1,1
```

13. The client accept this IP address.

```
Frame 1106: 342 bytes on wire (2736 bits), 342 bytes captured (2736 bits) on interface 0
Ethernet II, Src: Apple_b5:23:6f (f0:18:98:b5:23:6f), Dst: Broadcast (ff:ff:ff:ff:ff)
Internet Protocol Version 4, Src: 0.0.0.0, Dst: 255.255.255
User Datagram Protocol, Src Port: 68, Dst Port: 67
Dynamic Host Configuration Protocol (Request)
  Message type: Boot Request (1)
  Hardware type: Ethernet (0x01)
  Hardware address length: 6
  Hops: 0
  Transaction ID: 0x2821219b
  Seconds elapsed: 1
▶ Bootp flags: 0x0000 (Unicast)
  Client IP address: 0.0.0.0
  Your (client) IP address: 0.0.0.0
  Next server IP address: 0.0.0.0
  Relay agent IP address: 0.0.0.0
  Client MAC address: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Server host name not given
  Boot file name not given
  Magic cookie: DHCP
▼ Option: (53) DHCP Message Type (Request)
    Length: 1
    DHCP: Request (3)
▶ Option: (55) Parameter Request List
▶ Option: (57) Maximum DHCP Message Size
▶ Option: (61) Client identifier
▼ Option: (50) Requested IP Address (10.0.89.15)
    Length: 4
    Requested IP Address: 10.0.89.15
```

14. The purpose of a DHCP release message is to delete the current lease of the IP address given by the DHCP server. The DHCP server does not give a message to acknowledge the DHCP release message. If the client's DHCP Release message is lost, the server will keep waiting until the IP address for lease is over and reused to serve for another client.

15.Yes, there is a ARP packet during the DHCP packetexchange period. The purpose of ARP packet is to map the MAC address with new IP address.

2161 18.495021	0.0.0.0	255.255.255.255	DHCP	342 DHCP Discover - Transaction ID 0xd299baa3
2162 18.495112	Apple_19:49:8b	Apple_b5:23:6f	ARP	56 Who has 169.254.255.255? Tell 10.0.93.195
2163 18.504709	10.0.0.6	10.0.89.15	DHCP	590 DHCP Offer - Transaction ID 0xd299baa3
2164 18.504714	192.168.1.1	192.168.1.131	DHCP	342 DHCP Offer - Transaction ID 0xd299baa3

PART2 ARP

16. The first column is Internet Address, which indicates IPv4 address. The second column is physical address, which indicates the MAC address

```
[amaris-MacBook-Pro:~ jun$ arp -a
? (10.0.0.6) at 0:50:e8:3:35:c5 on en0 ifscope [ethernet]
? (10.0.0.12) at 4c:56:9d:6f:21:b8 on en0 ifscope [ethernet]
? (10.0.0.21) at 28:a0:2b:79:ec:1c on en0 ifscope [ethernet]
? (10.0.0.30) at f8:e9:4e:87:a:68 on en0 ifscope [ethernet]
? (10.0.0.31) at 10:94:bb:d9:27:9c on en0 ifscope [ethernet]
? (10.0.0.38) at f0:18:98:4:5:0 on en0 ifscope [ethernet]
? (10.0.0.39) at d8:1c:79:83:4e:e4 on en0 ifscope [ethernet]
? (10.0.0.42) at 14:c2:13:9:e1:44 on en0 ifscope [ethernet]
? (10.0.0.65) at 48:bf:6b:f0:a7:c8 on en0 ifscope [ethernet]
? (10.0.0.77) at 68:ef:43:3b:15:80 on en0 ifscope [ethernet]
? (10.0.0.79) at c8:d0:83:8b:8a:b4 on en0 ifscope [ethernet]
? (10.0.0.81) at dc:56:e7:75:e9:1c on en0 ifscope [ethernet]
? (10.0.0.111) at b8:c1:11:d5:7b:88 on en0 ifscope [ethernet]
? (10.0.0.113) at 8c:8e:f2:8f:bf:e8 on en0 ifscope [ethernet]
? (10.0.0.114) at d0:a6:37:e4:d6:40 on en0 ifscope [ethernet]
? (10.0.0.134) at d0:c5:f3:2c:6d:84 on en0 ifscope [ethernet]
? (10.0.0.140) at 98:fe:94:4c:7d:50 on en0 ifscope [ethernet]
? (10.0.0.152) at cc:8:8d:4f:7:0 on en0 ifscope [ethernet]
? (10.0.0.169) at 68:ec:c5:ce:25:20 on en0 ifscope [ethernet]
? (10.0.0.170) at f0:18:98:42:fe:70 on en0 ifscope [ethernet]
? (10.0.0.191) at 2c:33:7a:24:7a:24 on en0 ifscope [ethernet]
? (10.0.0.195) at 90:dd:5d:14:a5:4 on en0 ifscope [ethernet]
? (10.0.0.206) at c4:b3:1:96:46:28 on en0 ifscope [ethernet]
```

17. The hexadecimal values for the source addresses is 5c:5f:67:63:31:c0, and the hexadecimal values for the destination addresses is f0:18:98:b5:23:6f in the ARP request message.

```
41 0.247948
                IntelCor_63:31:c0 Apple_b5:23:6f
                                                     ARP
                                                               56 Who has 10.0.0.1? Tell 10.0.4.81
 42 0.261221
                Apple_99:e4:d6
                                   Apple_b5:23:6f
                                                      ARP
                                                               56 0.0.0.0 is at 6c:94:f8:99:e4:d6
 43 0.273240
                                                     ARP
                                                               56 0.0.0.0 is at 18:34:51:1e:fa:f0
                Apple 1e:fa:f0
                                   Apple_b5:23:6f
                                   Apple_b5:23:6f
 44 0.279193
                Apple_1e:fa:f0
                                                     ARP
                                                               56 0.0.0.0 is at 18:34:51:1e:fa:f0
▶ Frame 41: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface 0
▼ Ethernet II, Src: IntelCor_63:31:c0 (5c:5f:67:63:31:c0), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Destination: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  ▶ Source: IntelCor_63:31:c0 (5c:5f:67:63:31:c0)
    Type: ARP (0x0806)
    ▶ Address Resolution Protocol (request)
```

18. The hexadecimal value for the two-byte Ethernet Frame type field is 0X0806.

19. a) 20 bytes

- b) 1, for request
- c) Yes
- d) In "Target MAC address", 00:00:00:00:00

```
▶ Frame 25: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface 0
▼ Ethernet II, Src: Apple_e4:6f:47 (a4:5e:60:e4:6f:47), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Destination: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Source: Apple_e4:6f:47 (a4:5e:60:e4:6f:47)
    Type: ARP (0x0806)
    ▼ Address Resolution Protocol (request)
    Hardware type: Ethernet (1)
    Protocol type: IPv4 (0x0800)
    Hardware size: 6
    Protocol size: 4
    Opcode: request (1)
    Sender MAC address: Apple e4:6f:47 (a4:5e:60:e4:6f:47)
    Sender IP address: 10.0.94.231
    Target MAC address: 00:00:00_00:00:00 (00:00:00:00:00:00)
    Target IP address: 10.0.1.198
```

20.a) 20 bytes

b) 2, for reply

c) In "Sender MAC address", 6c:94:f8:99:e4:d6

```
▶ Frame 57: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface 0
Ethernet II, Src: Apple_99:e4:d6 (6c:94:f8:99:e4:d6), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  ▶ Destination: Apple_b5:23:6f (f0:18:98:b5:23:6f)
  Source: Apple_99:e4:d6 (6c:94:f8:99:e4:d6)
    Type: ARP (0x0806)
    ▼ Address Resolution Protocol (reply)
    Hardware type: Ethernet (1)
    Protocol type: IPv4 (0x0800)
    Hardware size: 6
    Protocol size: 4
    Opcode: reply (2)
    Sender MAC address: Apple_99:e4:d6 (6c:94:f8:99:e4:d6)
    Sender IP address: 0.0.0.0
    Target MAC address: SamsungE_3e:6d:03 (5c:a3:9d:3e:6d:03)
    Target IP address: 169.254.78.27
```

21. The hexadecimal values for the source addresses is 6c:94:f8:99:e4:d6, and the hexadecimal values for the destination addresses is f0:18:98:b5:23:6f in the ARP reply message.

Apple_b5:23:6f

Apple_b5:23:6f

56 0.376207

57 0.385615

Apple_2f:c7:de

Apple_99:e4:d6

```
▶ Frame 57: 56 bytes on wire (448 bits), 56 bytes captured (448 bits) on interface 0
▶ Ethernet II, Src: Apple_99:e4:d6 (6c:94:f8:99:e4:d6), Dst: Apple_b5:23:6f (f0:18:98:b5:23:6f)
▶ Address Resolution Protocol (reply)
```

ARP

56 0.0.0.0 is at 20:7d:74:2f:c7:de

56 0.0.0.0 is at 6c:94:f8:99:e4:d6

22. Because the ARP reply is sent directly to the client, but my machine is not the one sent the request.