

Enterprise Infrastructure & Networks

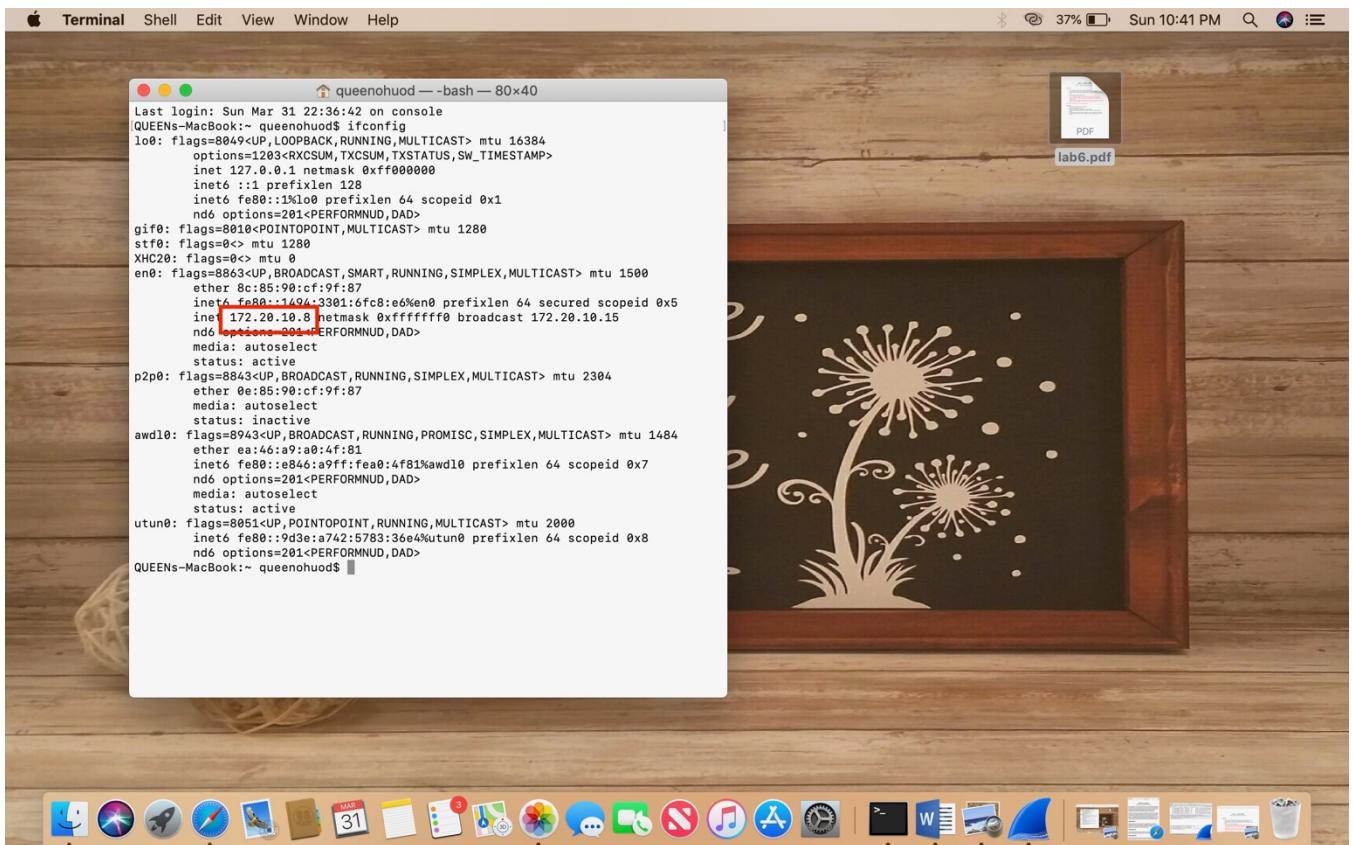
IT 520

Due to:04/01/2019

OHUOD ALTHIYABI

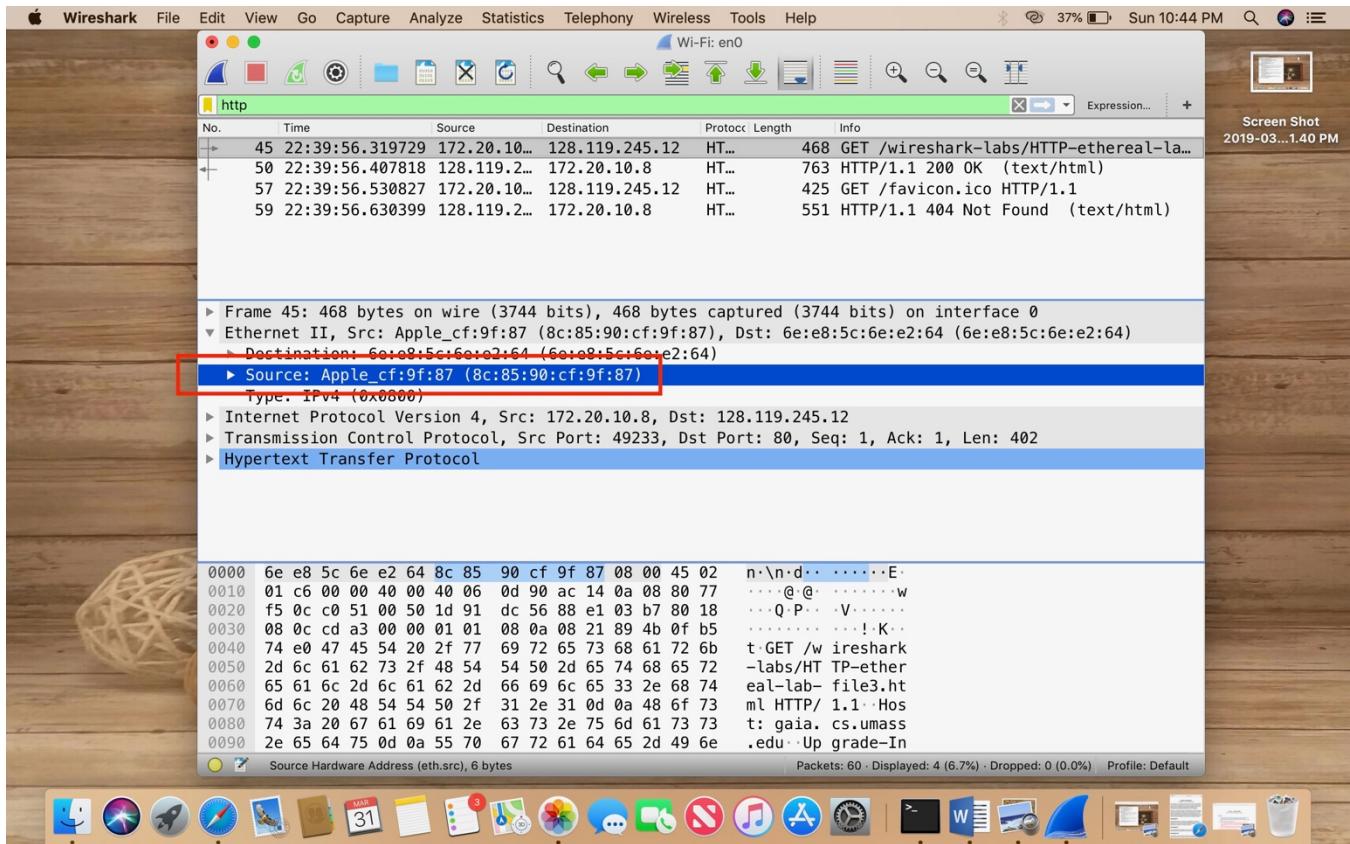
IP address is:

172.20.10.8

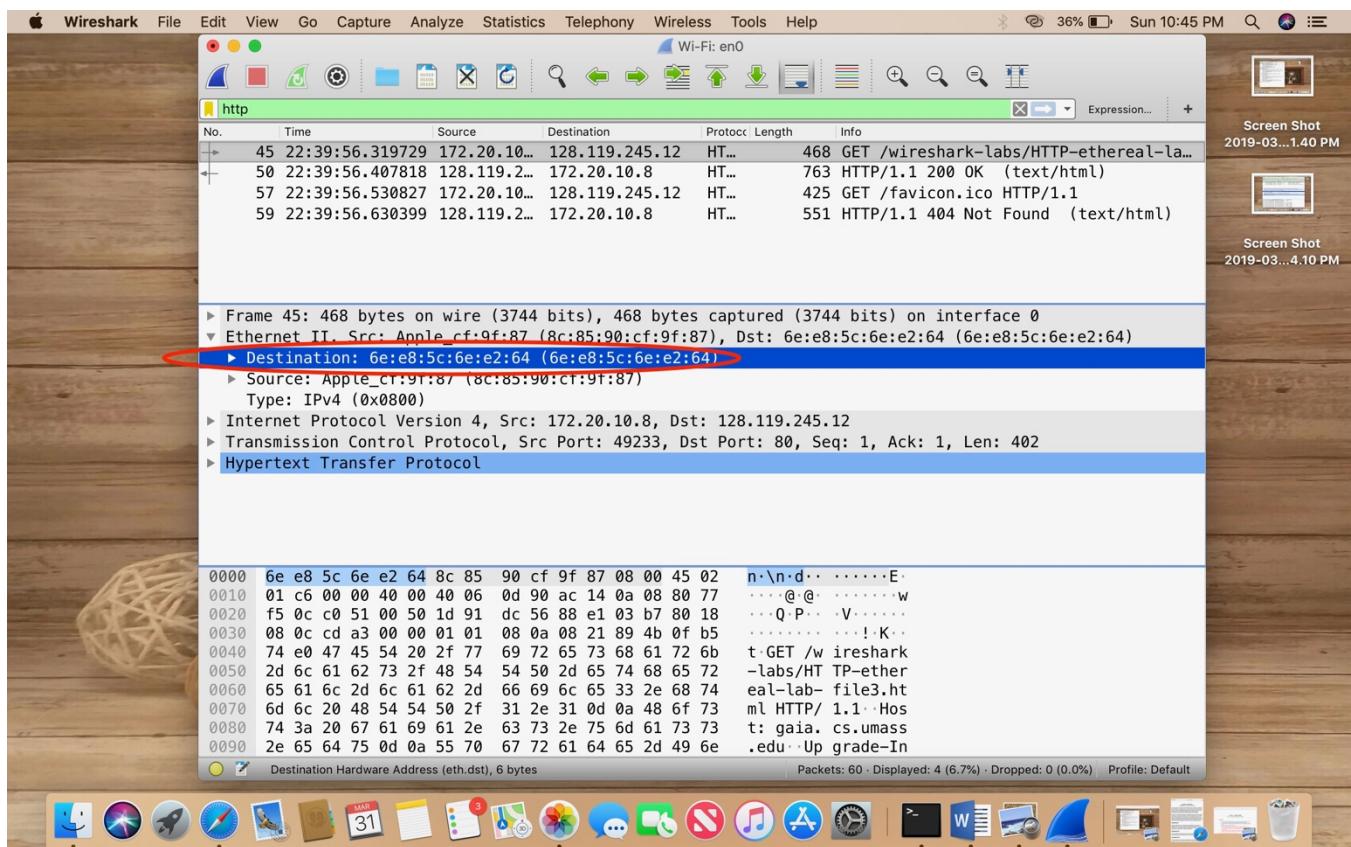


Questions:

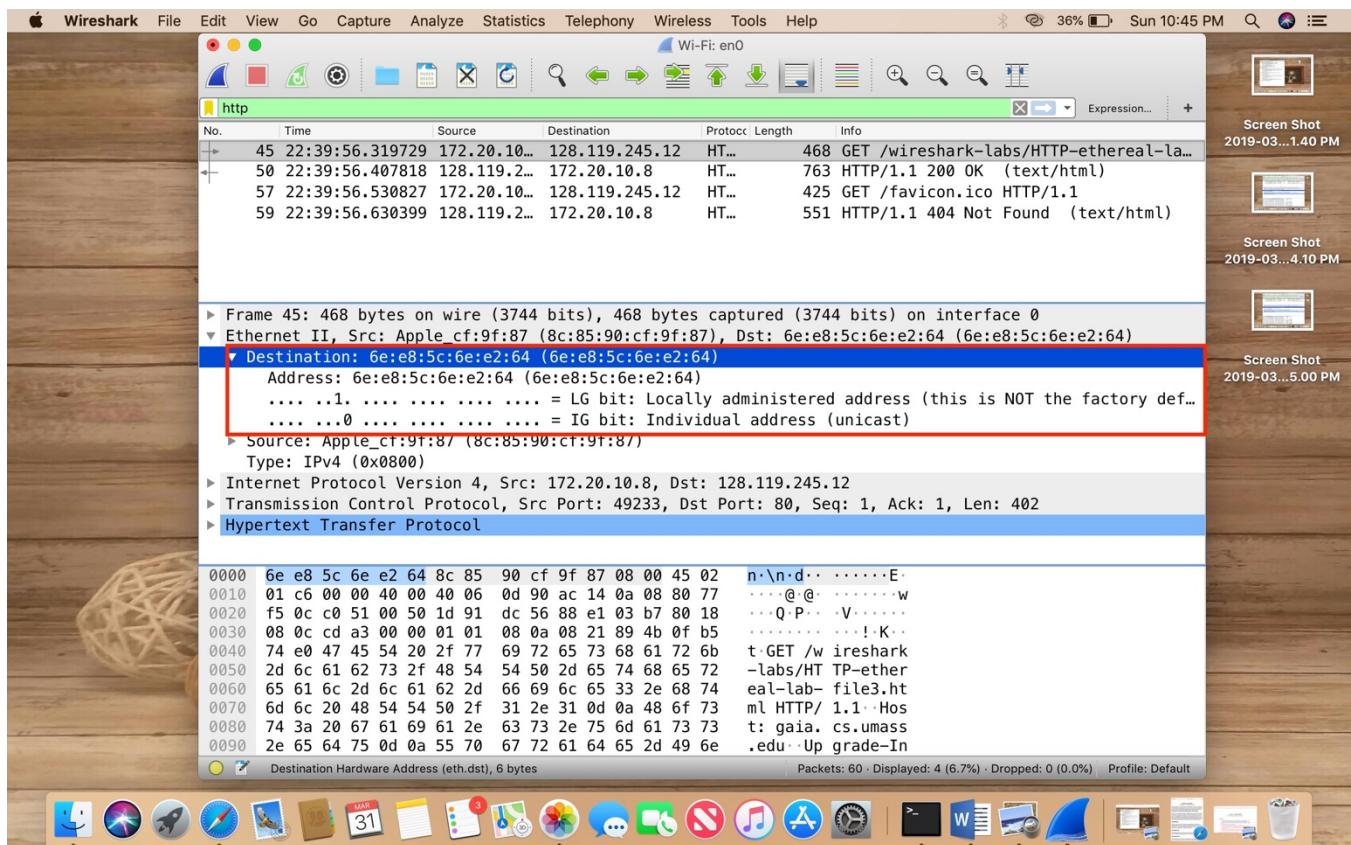
1-What is the MAC address from your computer?



2-What is the destination MAC address?



3-What device has the MAC address shown in the destination?

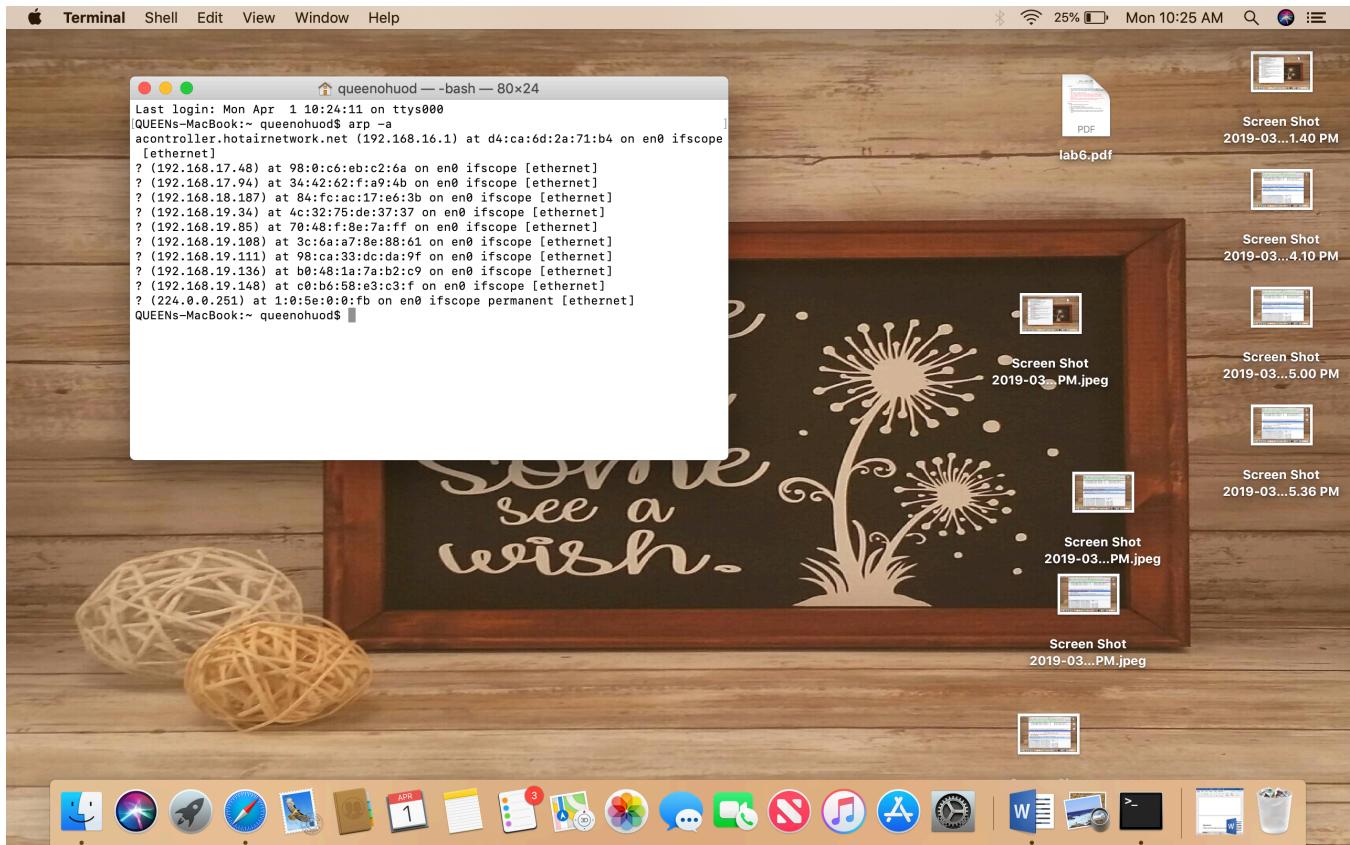


4-Explain the relationship between the destination MAC address and the destination IP address.

The MAC addresses are used on local Ethernet networks (as physical hardware)

The IP-addresses are more abstract and can be used on top of multiple types of networks (as logical address)

5-Using the terminal (cmd in Windows, Terminal in mac), run a command to display your full ARP list table. (Find out what the command is, and print a full screen shot of your result.)



```
Last login: Mon Apr  1 10:24:11 on ttys000
QUEENs-MacBook:~ queenohuod$ arp -a
acontroller.hotairnetwork.net (192.168.16.1) at d4:ca:6d:2a:71:b4 on en0
ifscope [ethernet]
? (192.168.17.48) at 98:0:c6:eb:c2:6a on en0 ifscope [ethernet]
? (192.168.17.94) at 34:42:62:f:a9:4b on en0 ifscope [ethernet]
? (192.168.18.187) at 84:fc:ac:17:e6:3b on en0 ifscope [ethernet]
? (192.168.19.34) at 4c:32:75:de:37:37 on en0 ifscope [ethernet]
? (192.168.19.85) at 70:48:f:8e:7a:ff on en0 ifscope [ethernet]
? (192.168.19.108) at 3c:6a:a7:8e:88:61 on en0 ifscope [ethernet]
? (192.168.19.111) at 98:ca:33:dc:da:9f on en0 ifscope [ethernet]
? (192.168.19.136) at b0:48:1a:7a:b2:c9 on en0 ifscope [ethernet]
? (192.168.19.148) at c0:b6:58:e3:c3:f on en0 ifscope [ethernet]
? (224.0.0.251) at 1:0:5e:0:0:fb on en0 ifscope permanent [ethernet]
QUEENs-MacBook:~ queenohuod$
```

