<u>Networking</u>

Commands:

route –n

ping www.google.com

ping www.facebook.com

The task:

Initially, your system is able to ping both of them without any error. The task is to achieve a result, such that, we can ping to google, but not to facebook. You can do this task easily by changing some firewall rules, however, the goal is to attain it by manipulating the routing table.

Solution:

As we don't have to involve firewall in this task, we will manipulate the routing table such that, the IP of Google falls in the range but that of Facebook is not present in the table.

Commands:

route del –net 0.0.0.0

route –n

route ping 172.217.166.164 (IP of Google that you will get when you run the second command)

route add –net 172.217.166.0 netmask 255.255.255.0 gw 192.168.0.1 enp0s3

ping 172.217.166.164

What we have done and why we have done? The explaination of each command and step is present in the practical section.