USING THE ROUTE COMMAND DISPLAY NETWORK INFORMATION ON LINUX

STEP 1: Type the following commands as a root user

route



STEP 2: Type this command also

route -n



STEP 3: We can add a default gateway by executing the following command:

route add default gw xxx.xxx.xxx.xxx

Replace the x’s with the your gateway IP. This assigns a gateway address through which all packets that do not belong to the network are forwarded.

STEP 4: Type this command next

route -Cn



STEP 5: We can specify to reject routing to a specific host or network using this command:

route add -host 192.168.1.51 reject

If we attempt to ping the above IP address, we will be presented with a “Network is unreachable” notice.



STEP 6: If we want to get the details of the kernel/IP routing table, we can use the following ip command:

ip route

This will detail the kernel/IP routing table.



STEP 7: In some instances, we may wish to delete the default gateway, which we can achieve by running this command:

route del default

NOTE: this may lead to some malfunctioning of your internet connection and it is important you take note of your default gateway before executing this command.

STEP 8: To get the output in relation to IPv4 and IPv6, we can use the following commands respectively:

ip -4 route

The above will display the entries with IPv4 only

