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Default Gateway – Assignment #1

Open a Command Prompt in your host operating system.

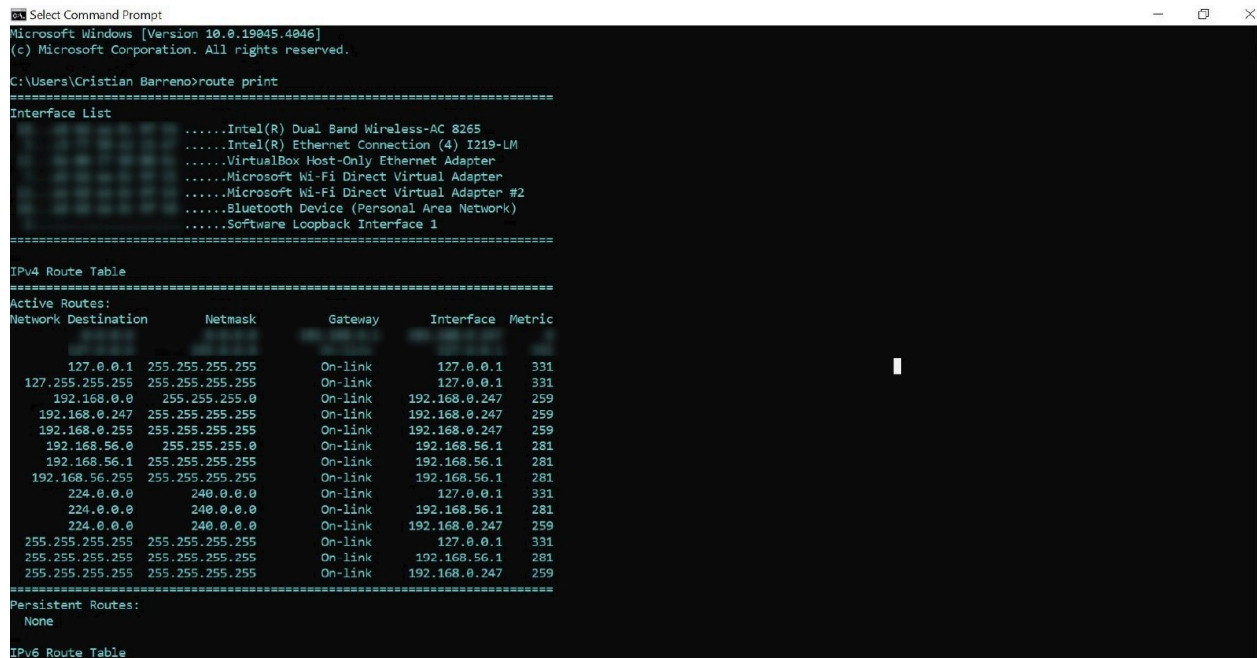
Run: route print.

This command lets us see our computer's routing table.

Route → Command

Print → Argument

Here we can see my network's gateway and routing details from the Command Line Interface (CLI)



```
Microsoft Windows [Version 10.0.19045.4046]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Cristian Barreno>route print

=====
Interface List
=====
0x{...} {...} .....Intel(R) Dual Band Wireless-AC 8265
0x{...} {...} .....Intel(R) Ethernet Connection (4) I219-LM
0x{...} {...} .....VirtualBox Host-Only Ethernet Adapter
0x{...} {...} .....Microsoft Wi-Fi Direct Virtual Adapter
0x{...} {...} .....Microsoft Wi-Fi Direct Virtual Adapter #2
0x{...} {...} .....Bluetooth Device (Personal Area Network)
0x{...} {...} .....Software Loopback Interface 1
=====

IPv4 Route Table
=====
Active Routes:
Network Destination        Netmask          Gateway          Interface        Metric
-----
127.0.0.1                  255.255.255.255  On-link         127.0.0.1        331
127.255.255.255            255.255.255.255  On-link         127.0.0.1        331
192.168.0.0                 255.255.255.0    On-link         192.168.0.247    259
192.168.0.247              255.255.255.255  On-link         192.168.0.247    259
192.168.0.255              255.255.255.255  On-link         192.168.0.247    259
192.168.56.0               255.255.255.0    On-link         192.168.56.1     281
192.168.56.1               255.255.255.255  On-link         192.168.56.1     281
192.168.56.255             255.255.255.255  On-link         192.168.56.1     281
224.0.0.0                  240.0.0.0        On-link         127.0.0.1        331
224.0.0.0                  240.0.0.0        On-link         192.168.56.1     281
224.0.0.0                  240.0.0.0        On-link         192.168.0.247    259
255.255.255.255            255.255.255.255  On-link         127.0.0.1        331
255.255.255.255            255.255.255.255  On-link         192.168.56.1     281
255.255.255.255            255.255.255.255  On-link         192.168.0.247    259
=====
Persistent Routes:
None

IPv6 Route Table
=====
```

Close up section from image in page 1.

Active Routes:

```
IPv4 Route Table
=====
Active Routes:
Network Destination        Netmask          Gateway          Interface        Metric
-----
127.0.0.0                  255.0.0.0        On-link          127.0.0.1         331
127.0.0.1                  255.255.255.255  On-link          127.0.0.1         331
127.255.255.255            255.255.255.255  On-link          127.0.0.1         331
192.168.0.0                255.255.255.0    On-link          192.168.0.247     259
192.168.0.247              255.255.255.255  On-link          192.168.0.247     259
192.168.0.255              255.255.255.255  On-link          192.168.0.247     259
192.168.56.0               255.255.255.0    On-link          192.168.56.1      281
192.168.56.1               255.255.255.255  On-link          192.168.56.1      281
192.168.56.255             255.255.255.255  On-link          192.168.56.1      281
224.0.0.0                  240.0.0.0        On-link          127.0.0.1         331
224.0.0.0                  240.0.0.0        On-link          192.168.56.1      281
224.0.0.0                  240.0.0.0        On-link          192.168.0.247     259
255.255.255.255            255.255.255.255  On-link          127.0.0.1         331
```

Inside the red rectangle we can see that the gateway to get out of my network is 192.XXX.X.X