

Networking

- So the first command we will look into is the ping command. The ping command is a command line utility which uses ICMP request packets to check if a host is alive or not.

```
ping google.com
```

- Next, we have the ip addr and ifconfig commands. Both are used to display information about our private IP address and associated interfaces.

```
ip addr  
ifconfig
```

- If sometimes, we are having any issues with our internet we can put the network down using the ip link command and then restart it again. This can be great troubleshoot sometimes.

```
ip link set eth0 up  
ip link set eth0 down
```

- Next, we have the netstat command. This shows the active network connections to our system. the flags ano shows the listening and established connections, display address and port numbers numerically along with the PID respectively.

```
netstat -ano
```

- After that, we have the dhclient command which can be used to request for another IP address from the DHCP server.

```
sudo dhclient
```

- And at last, we have ip route and route command. Both shows routing information of our machine.

```
ip route show
```

```
route -n
```