Static Configuration of a Network Interface (Lab)

coursera.org/learn/linux-for-developers/supplement/Rg5kF/static-configuration-of-a-network-interface-lab

Exercise

Note: You may have to use a different network interface name than **eth0**. Also note that you can most easily do this exercise with **nmtui** or your system's graphical interface. We will present a command line solution, but beware, details may not exactly fit your distribution flavor or fashion.

- Show your current IP address and default route for **eth0**.

- Bring down **eth0** and reconfigure to use a static address instead of DCHP, using the information you just recorded.

- Bring the interface back up.

- Make sure your configuration works after a reboot.

You will probably want to restore your configuration when you are done.

Solution

1.

```
1
```

```
$ ip addr show eth0
```


or

```
1
```

```
 $ ifconfig eth0
```

2. Assuming the address was 192.168.1.100:

1

2

3

```
$ sudo ip link set eth0 down
$ sudo ip addr add 192.168.1.100 dev eth0
$ sudo ip link set eth0 up
```


or

1

2

```
$ sudo ifconfig eth0 down
$ sudo ifconfig eth0 up 192.168.1.100
```


3.

1

2

```
$ sudo ip link set eth0 up
$ sudo dhclient eth0
```


or

1

2

```
$ sudo ifconfig eth0 up
```

```
$ sudo dhclient eth0
```


4.

1

```
$ sudo reboot
```