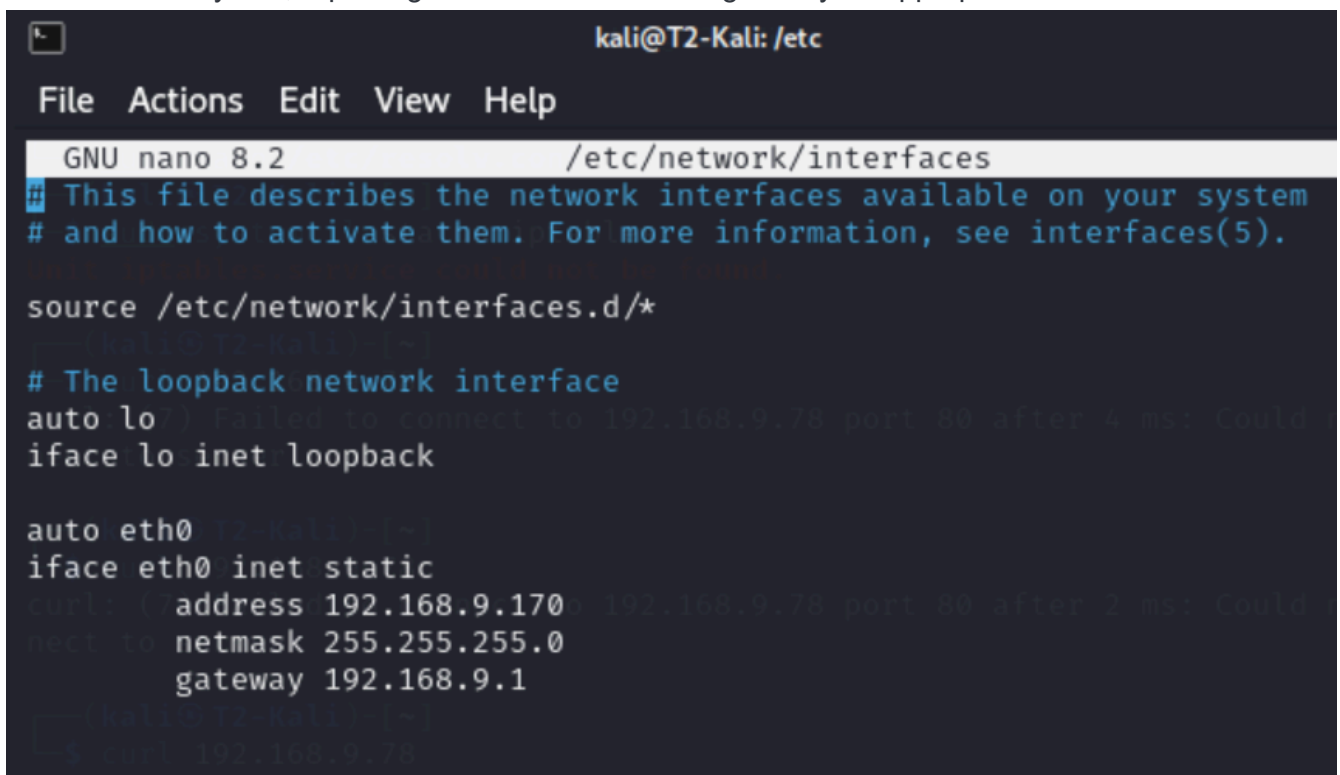


Kali IP Configuration

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Note: You have 2 options to configure an IP address on Kali: GUI or terminal. This document covers terminal.

- display network configuration: `ip a`
- eth0 is the typical network interface for Kali
- edit network configuration file: `sudo nano /etc/network/interfaces`
- use the below syntax, replacing the eth0 address and gateway as appropriate:



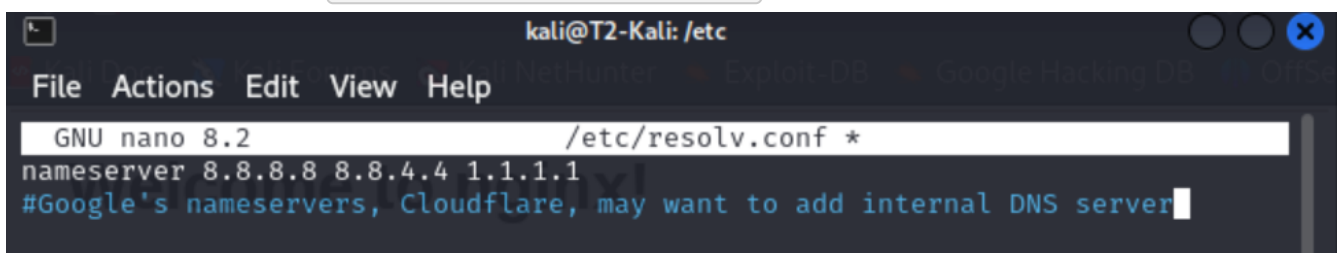
```
kali@T2-Kali: /etc
File Actions Edit View Help
GNU nano 8.2 /etc/network/interfaces
# This file describes the network interfaces available on your system
# and how to activate them. For more information, see interfaces(5).

source /etc/network/interfaces.d/*

# The loopback network interface
auto lo
iface lo inet loopback

auto eth0
iface eth0 inet static
    address 192.168.9.170
    netmask 255.255.255.0
    gateway 192.168.9.1
```

- add DNS nameservers: `sudo nano /etc/resolv.conf`



```
kali@T2-Kali: /etc
File Actions Edit View Help
GNU nano 8.2 /etc/resolv.conf *
nameserver 8.8.8.8 8.8.4.4 1.1.1.1
#Google's nameservers, Cloudflare, may want to add internal DNS server
```

- restart networking service: `sudo systemctl restart networking`
- make sure the IP address has updated: `ip a`
- test internet connectivity: `curl google.com`
 - or try navigating to google.com in your browser

- harden interface file permissions: `sudo chmod 600 /etc/network/interfaces`
- harden resolv.conf permissions: `sudo chmod 644 /etc/resolv.conf`