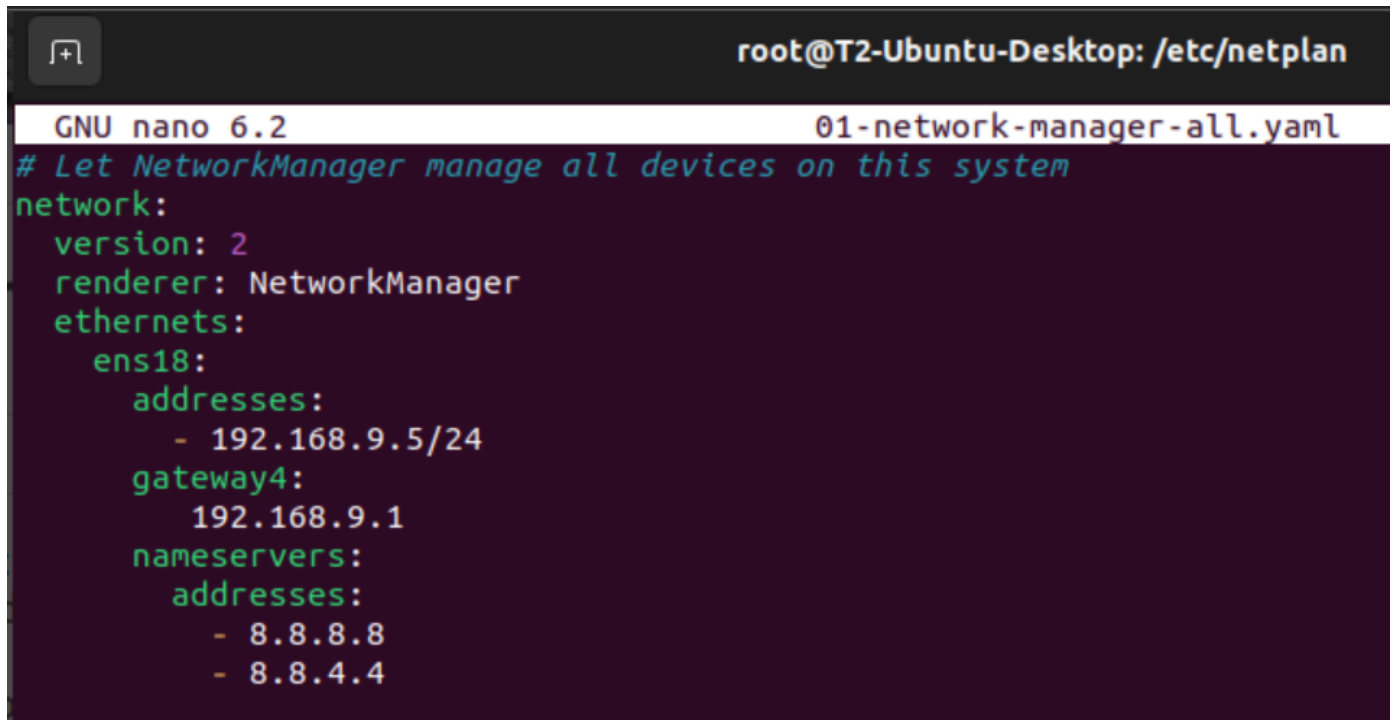


Ubuntu IP Configuration

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- display network configuration: `ip a`
- ens18 is the typical network interface for ubuntu
- edit network configuration file: `sudo nano /etc/netplan/01-network-manager-all.yaml`
- use the below syntax, replacing the ens 18 address and gateway as appropriate:

A terminal window titled 'root@T2-Ubuntu-Desktop: /etc/netplan' shows the contents of the file '01-network-manager-all.yaml' being edited with 'GNU nano 6.2'. The configuration is for NetworkManager and sets up the ens18 interface with a static IP of 192.168.9.5/24, a gateway of 192.168.9.1, and DNS servers at 8.8.8.8 and 8.8.4.4.

```
GNU nano 6.2 01-network-manager-all.yaml
# Let NetworkManager manage all devices on this system
network:
  version: 2
  renderer: NetworkManager
  ethernets:
    ens18:
      addresses:
        - 192.168.9.5/24
      gateway4:
        192.168.9.1
      nameservers:
        addresses:
          - 8.8.8.8
          - 8.8.4.4
```

- note: the indentations are all done with 2 spaces
- note: for ubuntu server, use `renderer: networkd`
- apply changes: `sudo netplan apply`
- make sure the ip address has updated: `ip a`
- test internet connectivity: `curl google.com`
- harden file permissions: `sudo chmod 600 /etc/netplan/*.yaml`
- note: you can usually ignore the “gateway4 depreciated” error. if it's a problem, then replace `gateway4` with `routes` using the following syntax:

```
## Let NetworkManager manage all devices on this system
```

```
network:
```

```
  version: 2
```

```
  renderer: NetworkManager
```

```
  ethernets:
```

```
    ens18:
```

```
      addresses:
```

```
        - 192.168.9.5/24
```

```
      routes:
```

```
        - to: 0.0.0.0/0
```

```
          via: 192.168.9.1
```

```
      nameservers:
```

```
        addresses:
```

```
          - 8.8.8.8
```

```
          - 8.8.4.4
```

```
          - 1.1.1.1
```