

## Network Configuration

### RHEL:

The configuration file is located at `/etc/sysconfig/network-scripts/ifcfg-eth0`, which controls the first Ethernet network interface card or NIC in the system.

The following is a sample `ifcfg-eth0` file for a system using a fixed IP address:

```
DEVICE=eth0
BOOTPROTO=none
ONBOOT=yes
NETMASK=255.255.255.0
IPADDR=10.0.1.27
USERCTL=no
```

The following is a sample `ifcfg-eth0` file for an interface using DHCP:

```
DEVICE=eth0
BOOTPROTO=dhcp
ONBOOT=yes
```

Reference [link](#) for this part.

### Ubuntu:

The configuration file is located at `/etc/network/interfaces`.

The following is a sample `interfaces` file for a system using a fixed IP address:

```
auto eth0
iface eth0 inet static
address 10.10.29.66
netmask 255.255.255.192
network 10.10.29.65
broadcast 10.10.29.127
gateway 10.10.29.65
```

The following is a sample `interfaces` file for an interface using DHCP:

```
auto eth0
iface eth0 inet dhcp
```

After editing the configuration file, run `sudo /etc/init.d/networking restart` to make it take effect.

If you need to delete the rule files for network, run:

```
sudo rm -f /etc/udev/rules.d/70-persistent-net.rules
```

Then reboot.