

## Configuring a Static IP

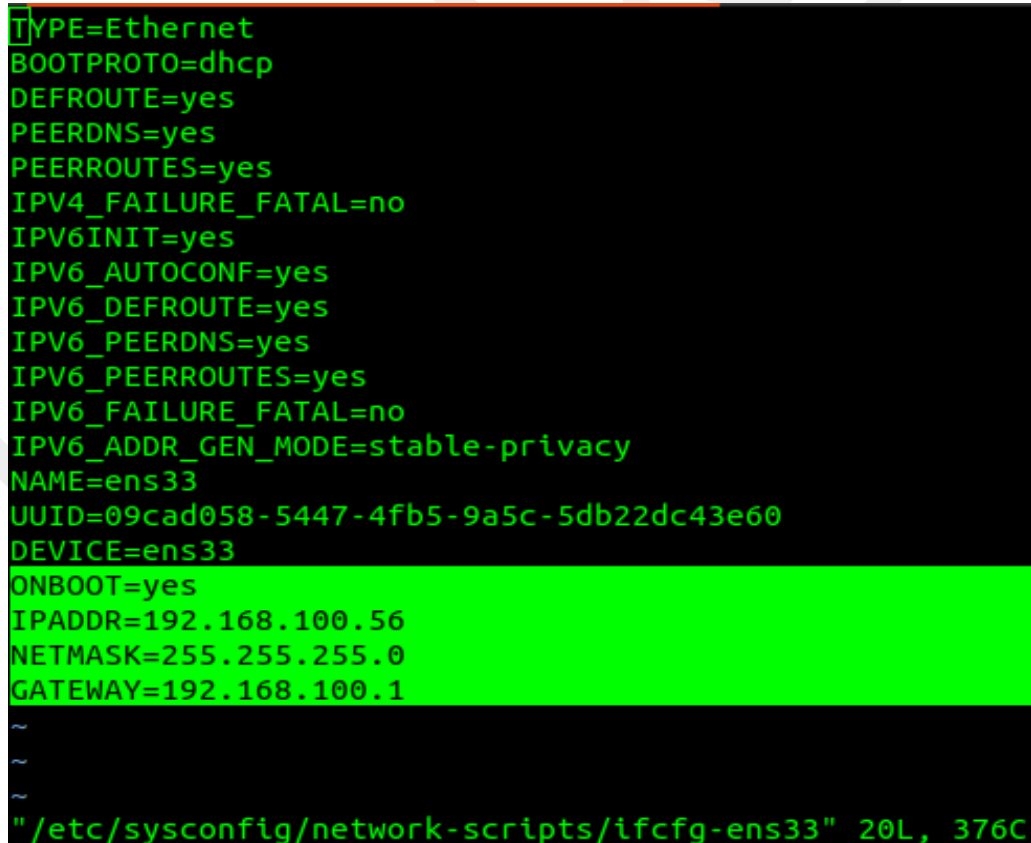
A static address is permanent address assigned to a computer by network administrator manually.

1. Open the configuration file for your network interface.

```
vi /etc/sysconfig/network-scripts/ifcfg-ens33
```

2. Add the following settings to the file:

```
DEVICE=ens33  
ONBOOT=yes  
IPADDR=192.168.1.10  
NETMASK=255.255.255.0  
GATEWAY=192.168.1.1
```



```
TYPE=Ethernet  
BOOTPROTO=dhcp  
DEFROUTE=yes  
PEERDNS=yes  
PEERROUTES=yes  
IPV4_FAILURE_FATAL=no  
IPV6INIT=yes  
IPV6_AUTOCONF=yes  
IPV6_DEFROUTE=yes  
IPV6_PEERDNS=yes  
IPV6_PEERROUTES=yes  
IPV6_FAILURE_FATAL=no  
IPV6_ADDR_GEN_MODE=stable-privacy  
NAME=ens33  
UUID=09cad058-5447-4fb5-9a5c-5db22dc43e60  
DEVICE=ens33  
ONBOOT=yes  
IPADDR=192.168.100.56  
NETMASK=255.255.255.0  
GATEWAY=192.168.100.1  
~  
~  
~  
"/etc/sysconfig/network-scripts/ifcfg-ens33" 20L, 376C
```

3. Save the changes and exit

4. Your new settings will not apply until the network interface is restarted or brought online. If you are remotely logged into the server and modifying the network settings of the interface you are connected to, reboot the system.
5. Restarting the network interface.

```
#ifdown ens33
```

```
#ifup ens33
```

### [Configuring DHCP Settings](#)

A dynamic address is one leased from a DHCP server when a system boots or a network interface comes online. The following settings configure a network interface for DHCP.

1. Open the configuration file for your network interface.

```
vi /etc/sysconfig/network-scripts/ifcfg-ens33
```

2. Add the following settings. If a configuration already exists, modify it to look like the following:

```
DEVICE=ens33  
ONBOOT=yes  
DHCP=yes
```

3. Save your changes and exit
4. Your new settings will not apply until the network interface is restarted or brought online. If you are remotely logged into the server and modifying the network settings of the interface you are connected to, reboot the system.
5. Restarting the network interface.

```
#ifdown ens33
```

```
#ifup ens33
```

### [Validate Your Network Settings](#)

Now, you need to ensure that your network interface through;

```
#ip a
```

