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# IP address assignment

1. Interface configuration using DHCP service example:

```
#vi /etc/sysconfig/network-scripts/ifcfg-eth0
DEVICE=eth0
BOOTPROTO=dhcp
HWADDR= 00-19-DB-AD-19-99
ONBOOT=yes
```

2. Interface configuration using manually set parameters:

```
#vi /etc/sysconfig/network-scripts/ifcfg-eth0
DEVICE=eth0
HWADDR= 00-19-DB-AD-19-99
IPADDR=192.168.1.2
NETMASK=255.255.255.0
BROADCAST=192.168.1.255
GATEWAY=192.168.1.1
ONBOOT=yes
DNS1=8.8.8.8
DNS2=8.8.4.4
```

To check the interface configuration:

```
ifconfig eth0
```

To check the routes:

```
netstat -r
```

To restart the interface and to apply the new settings:

```
ifdown eth0 - disable
ifup eth0 - enable
```