

Adding a Network Card to CentOS Linux

Detect & Configure The New Network Adapter

1. Determine existing network interfaces

```
ifconfig -a
```

2. Change directory to the network scripts folder

```
cd /etc/sysconfig/network-scripts
```

3. Clone the existing eth0 device network script

```
cp ifcfg-eth0 ifcfg-eth1 # this assumes the old card was eth0 and the new one is eth1
```

4. Get the Hardware Address for the eth1 network card, again this assumes the new card is eth1

```
grep eth1 /etc/udev/rules.d/70-persistent-net.rules
```

```
#you can get fancy and use awk and cut to isolate the string containing the Hardware Address
```

```
grep eth1 /etc/udev/rules.d/70-persistent-net.rules | awk -F"," '{print $4}' | cut -d= -f3
```

5. Replace all occurrences of eth0 with eth1 in the new network configuration script

```
sed -i 's/eth0/eth1/g' ifcfg-eth1 # or edit it by hand and change eth0 to eth1 where it appears
```

6. Edit the eth1 network configuration script and replace the Hardware Address with the one in the 70-persistent-net.rules file

```
vi ifcfg-eth1
```

7. Bring the eth1 interface up

```
ifup eth1
```