


```
iface eth0 inet dhcp  
  
    hwaddress ether 08:00:00:00:00:01
```

```
allow-hotplug eth1  
  
iface eth1 inet dhcp
```

Reboot or reconfigure network interfaces by hand:

```
$ sudo service networking restart
```

MAC Changer

MAC Changer is a utility for viewing/manipulating the MAC address of network interfaces.

Install it using command:

```
$ sudo apt-get install macchanger
```

Set random vendor MAC address of the same kind:

```
$ sudo macchanger -a eth0  
  
Permanent MAC: 84:8f:69:b0:fa:0a (unknown)  
  
Current  MAC: 84:8f:69:b0:fa:0a (unknown)  
  
New      MAC: 00:0e:37:5b:d7:31 (Harms & Wende Gmbh & Co.kg)
```

Set random vendor MAC address of any kind:

```
$ sudo macchanger -A eth0
```

Permanent MAC: 84:8f:69:b0:fa:0a (unknown)

Current MAC: 00:0e:37:5b:d7:31 (Harms & Wende Gmbh & Co.kg)

New MAC: 00:24:18:22:02:4b (Nextwave Semiconductor)

Set specific MAC address:

```
$ sudo macchanger -m 02:02:02:00:00:01 eth0
```

Permanent MAC: 84:8f:69:b0:fa:0a (unknown)

Current MAC: 00:24:18:22:02:4b (Nextwave Semiconductor)

New MAC: 02:02:02:00:00:01 (unknown)

Set fully random MAC:

```
$ sudo macchanger -r eth0
```

Permanent MAC: 84:8f:69:b0:fa:0a (unknown)

Current MAC: 02:02:02:00:00:01 (unknown)

New MAC: f6:61:c0:6a:14:66 (unknown)

Set another MAC address of the same vendor:

```
$ sudo macchanger -e eth0
```

Permanent MAC: 84:8f:69:b0:fa:0a (unknown)

Current MAC: f6:61:c0:6a:14:66 (unknown)

New MAC: f6:61:c0:53:a0:5f (unknown)

Revert to the default MAC address:

```
$ sudo macchanger -p eth0
```

Permanent MAC: 84:8f:69:b0:fa:0a (unknown)

Current MAC: f6:61:c0:53:a0:5f (unknown)

New MAC: 84:8f:69:b0:fa:0a (unknown)

Display a vendor MAC address list to choose from

```
$ macchanger -l
```

Misc MACs:

Num	MAC	Vendor
-----	-----	--------

---	---	-----
-----	-----	-------

0000	- 00:00:00	- Xerox Corporation
------	------------	---------------------

0001	- 00:00:01	- Xerox Corporation
------	------------	---------------------

0002	- 00:00:02	- Xerox Corporation
------	------------	---------------------

0003	- 00:00:03	- Xerox Corporation
------	------------	---------------------

0004	- 00:00:04	- Xerox Corporation
------	------------	---------------------

0005	- 00:00:05	- Xerox Corporation
------	------------	---------------------

0006	- 00:00:06	- Xerox Corporation
------	------------	---------------------

0007	- 00:00:07	- Xerox Corporation
------	------------	---------------------

0008	- 00:00:08	- Xerox Corporation
------	------------	---------------------

0009	- 00:00:09	- Xerox Corporation
------	------------	---------------------

0010	- 00:00:0a	- Omron Tateisi Electronics Co.
------	------------	---------------------------------

0011	- 00:00:0b	- Matrix Corporation
------	------------	----------------------

0012	- 00:00:0c	- Cisco Systems, Inc.
------	------------	-----------------------

0013 - 00:00:0d - Fibronics Ltd.

0014 - 00:00:0e - Fujitsu Limited

0015 - 00:00:0f - Next, Inc.

0016 - 00:00:10 - Sytek Inc.

[...]

Common problems

```
$ ifconfig eth0 hw ether 02:00:01:00:00:02
```

```
SIOCSIFHWADDR: Operation not permitted
```

You need root permissions to alter network interface.

```
$ sudo ifconfig eth0 hw ether 02:00:00:10:10:10
```

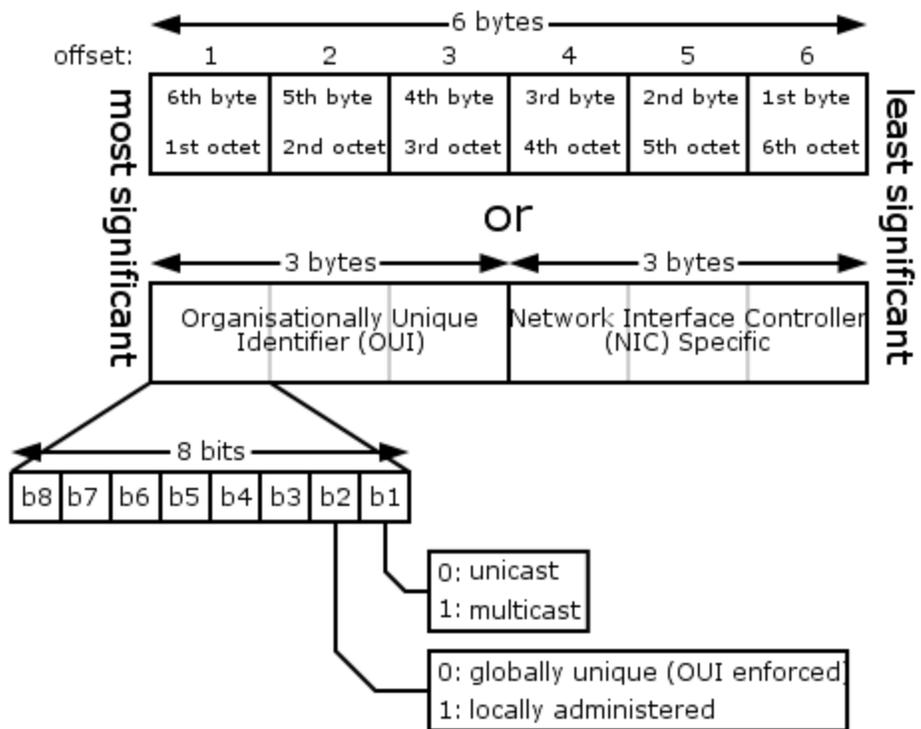
```
SIOCSIFHWADDR: Device or resource busy - you may need to down the interface
```

Shut down the network interface first.

```
$ sudo ifconfig eth0 hw ether 01:00:00:10:10:10
```

```
SIOCSIFHWADDR: Cannot assign requested address
```

This is not an unicast address as the first octet needs to be even. Look at the image below to understand it better. This image is from Wikipedia - MAC address page and licensed under the Creative Commons Attribution-Share Alike 2.5 Generic, 2.0 Generic and 1.0 Generic license.



Source: <https://blog.sleeplessbeastie.eu/2013/01/11/how-to-change-the-mac-address-of-an-ethernet-interface/>