

# Kali Linux macchanger

Lect-2-  
Practice

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# MacChanger

change MAC address using **macchanger**

# What is Mac address?

A MAC (Media Access Control) address, sometimes referred to as a hardware or physical address, is a unique, 12-character alphanumeric attribute that is used to identify individual electronic devices on a network.

An example of a MAC address is: **00-B0-D0-63-C2-26**

# How to get Mac Address?

1. Open a **terminal**
2. Type **ifconfig**.
3. The **MAC address** is listed as **HWaddr** in the format of **12:34:56:78:AB**.

# MacChanger

is an **utility** that makes the manipulation of MAC addresses of network interfaces easier. One of the most important things you must do when performing an attack or reconnaissance is to stay hidden, anonymous, and quiet. Intrusion detection systems will start to notice if a device with the same IP address or MAC address continues probing the network. That's why it's important to use a tool like MacChanger to [change your system's MAC address](#).

# Ways of changes:

1. Change to a Random MAC address
2. Change to a Specific MAC address

# 1. Change to a Random MAC address

First, let's see how we can use **macchanger** to change network card's hardware MAC address to a random address.

We can start by investigating our current MAC address of eg **eth0** network interface. To do this we execute **macchanger** with an option **-s** and an argument **eth0**.

```
macchanger -s wlan0
```

# Turn off network interface

The network interface you are about to change a MAC address on must be turned off prior your MAC address change attempt.

Use **ifconfig** command to turn off your network interface:

```
ifconfig wlan0 down
```



Now, its time to change network card's hardware MAC address to some random hexadecimal numbers:

```
macchanger -r wlan0
```

## **Turn on Network interface**

Bring your network interface up and display your new MAC address:

```
ifconfig wlan0 up  
macchanger -s wlan0
```

## Check new MAC address

Your new MAC address will now show while listing network interface using **ifconfig** command:

**ifconfig**

## 2. Change to a Specific MAC address

The following procedure on Kali Linux can be used to spoof MAC address to a specific string. This can be achieved by use **macchanger**'s **-m** option:

```
ifconfig wlan0 down  
macchanger -m 00:d0:70:00:20:69 wlan0  
ifconfig wlan0 up  
macchanger -s wlan0
```

# Reset to permanent

```
macchanger -p wlan0 # restore hardware MAC
```

Use **-l** option to find a MAC address prefix of a specific hardware vendor:

**macchanger -l**

**example:**

**00:00:0C** Cisco Systems, Inc.

**00:01:6C** Apple, Inc.

**00:03:47** Intel Corporation