

## 1. 启动网卡

ifconfig -a 显示所有网络接口的信息  
ifconfig 显示当前启动的网络接口信息  
ifconfig ens33 up 启动 ens33 网卡  
ifconfig ens33 down 关闭 ens33 网卡

## 2. 打开终端, 输入 ip a 查看自己的网卡编号

```
root@localhost:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: fm1-mac3: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:5c brd ff:ff:ff:ff:ff:ff
3: fm1-mac4: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:5d brd ff:ff:ff:ff:ff:ff
4: fm1-mac5: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:58 brd ff:ff:ff:ff:ff:ff
5: fm1-mac6: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:59 brd ff:ff:ff:ff:ff:ff
6: fm1-mac9: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:5b brd ff:ff:ff:ff:ff:ff
7: fm1-mac10: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:5a brd ff:ff:ff:ff:ff:ff
8: sit0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN group default qlen 1000
    link/sit 0.0.0.0 brd 0.0.0.0
9: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether 02:42:ad:23:97:5b brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
root@localhost:~# ping baidu.com
ping: baidu.com: Temporary failure in name resolution
```

此时发现有 fm1-mac3. 4. 5. 6. 9. 10 这 6 个网卡。选择 fm1-mac3 这一张网卡。且此时无法 ping 通百度。

## 3. 输入命令 vi /etc/network/interfaces, 编辑。加入 auto fm1-mac3 和 iface fm1-mac3 inet dhcp (dhcp 表示动态 ip)

## 4. 将网线连到 fm1-mac3 对应的端口, Reboot。此时再次 ip a

```
root@localhost:~# ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: fm1-mac3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:04:9f:05:e7:5c brd ff:ff:ff:ff:ff:ff
    inet 192.168.2.77/24 brd 192.168.2.255 scope global fm1-mac3
        valid_lft forever preferred_lft forever
    inet6 fe80::204:9fff:fe05:e75c/64 scope link
        valid_lft forever preferred_lft forever
3: fm1-mac4: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:5d brd ff:ff:ff:ff:ff:ff
4: fm1-mac5: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:58 brd ff:ff:ff:ff:ff:ff
5: fm1-mac6: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:59 brd ff:ff:ff:ff:ff:ff
6: fm1-mac9: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:5b brd ff:ff:ff:ff:ff:ff
7: fm1-mac10: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 00:04:9f:05:e7:5a brd ff:ff:ff:ff:ff:ff
8: sit0@NONE: <NOARP> mtu 1480 qdisc noop state DOWN group default qlen 1000
    link/sit 0.0.0.0 brd 0.0.0.0
9: docker0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default
    link/ether 02:42:96:cb:25:72 brd ff:ff:ff:ff:ff:ff
    inet 172.17.0.1/16 brd 172.17.255.255 scope global docker0
        valid_lft forever preferred_lft forever
```

发现 fm1-mac3 分配了 ip 地址。此时 ping baidu.com

```
root@localhost:~# ping www.baidu.com
PING www.a.shifen.com (180.101.49.12) 56(84) bytes of data.
64 bytes from 180.101.49.12 (180.101.49.12): icmp_seq=1 ttl=54 time=5.65 ms
64 bytes from 180.101.49.12 (180.101.49.12): icmp_seq=2 ttl=54 time=5.50 ms
64 bytes from 180.101.49.12 (180.101.49.12): icmp_seq=3 ttl=54 time=5.98 ms
64 bytes from 180.101.49.12 (180.101.49.12): icmp_seq=4 ttl=54 time=5.04 ms
64 bytes from 180.101.49.12 (180.101.49.12): icmp_seq=5 ttl=54 time=5.44 ms
```

成功!!!!