```
title: Linux 设置静态 IP
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categories:
    - linux
tags: [linux]
```

Ubuntu

Ubuntu 16

修改 `/etc/network/interfaces`

```
sudo vi  /etc/network/interfaces
```

```
auto eno4
iface eno4 inet static
address 10.8.30.176
netmask 255.255.255.0
gateway 10.8.30.1
dns-nameserver 114.114.114.114
```

Ubuntu 18.04 +

> 原来设置 `/etc/network/interfaces` 的方法还可以用，只是设置的dns没有用
> 新的配置使用 netplan 管理

修改配置文件

> 编辑 `/etc/netplan/` 下的yaml文件
>
> 这里文件名是 `01-network-manager-all.yaml`

```
sudo vi /etc/netplan/01-network-manager-all.yaml

# 注释掉 renderer:NetworkManager

network:
```

```
    version: 2
    ethernets:
        # 网络名
        enp0s3:
            # 一个ip数组，用‘,’隔开
            addresses: [10.8.40.119/24]
            # 使用dhcp 动态获取ip: true/no
            dhcp4: no
            # ipv4 网关
            gateway4: 192.168.0.1
            # dns
            nameservers:
                addresses: [114.114.114.114]
                search: [localdomain]
            optional: true


# 立即生效
sudo netplan apply
```

补充

查看网关

```
# 查看网关
netstat -rn
# 或
route -n
```

设置默认网关

```
route add default gw 10.8.30.1
```

重启网关

```
/etc/init.d/networking restart
```

配置 `/etc/resolv.conf`

> 以上配置完成就可以了
>
> 如果是desktop 版本可能设置的dns不能使 /etc/resolv.conf生效. 重启又恢复到默认

安装 resolvconf 服务

```
sudo apt-get update
sudo apt-get install resolvconf
```

配置 resolvconf

> 修改 /etc/resolvconf/resolv.conf.d/head

```
vi /etc/resolvconf/resolv.conf.d/head
# 增加
nameserver 223.5.5.5
nameserver 223.6.6.6
```

> 保存退出，执行

```
resolvconf -u
```

> 查看 /etc/resolv.conf, 重启再看

```
cat /etc/resolv.conf
```

CentOS

> 配置文件在 `/etc/sysconfig/network-scripts` 下
>
> 这里测试机文件名为：ifcfg-enp0s3
>
> 修改 ifcfg-enp0s3 文件

```
vi /etc/sysconfig/network-scripts/ifcfg-enp0s3
```

默认配置

```
TYPE=Ethernet
PROXY_METHOD=none
BROWSER_ONLY=no
BOOTPROTO=dhcp
DEFROUTE=yes
IPV4_FAILURE_FATAL=no
IPV6INIT=yes
IPV6_AUTOCONF=yes
IPV6_DEFROUTE=yes
IPV6_FAILURE_FATAL=no
IPV6_ADDR_GEN_MODE=stable-privacy
NAME=enp0s3
UUID=64a31304-95d8-4ab6-961e-8d5db92f8cc0
DEVICE=enp0s3
ONBOOT=no
```

修改为

```
TYPE=Ethernet
PROXY_METHOD=none
BROWSER_ONLY=no
#BOOTPROTO=dhcp
DEFROUTE=yes
IPV4_FAILURE_FATAL=no
IPV6INIT=yes
IPV6_AUTOCONF=yes
IPV6_DEFROUTE=yes
IPV6_FAILURE_FATAL=no
IPV6_ADDR_GEN_MODE=stable-privacy
NAME=enp0s3
UUID=64a31304-95d8-4ab6-961e-8d5db92f8cc0
DEVICE=enp0s3
#ONBOOT=no

#static assignment
NM_CONTROLLED=no
ONBOOT=yes
BOOTPROTO=static
IPADDR=192.168.0.116
```

```
NETMASK=255.255.255.0
GATEWAY=192.168.0.1
```

修改/etc/sysconfig/network

默认为空

```
# Created by anaconda
NETWORKING=yes
GATEWAY=192.168.0.1
DNS1=114.114.114.114
```

重启服务

```
service network restart
```