

网络配置(network configuration)

Ubuntu 17.10, Ubuntu 18.xx, Ubuntu 19.xx, Ubuntu 20.xx

更新 `/etc/netplan/10-ens3.yaml` 文件

```
network:
  version: 2
  renderer: networkd
  ethernets:
    enp1s0:
      dhcp4: no
      addresses: [192.168.1.1/24, '2401:c080::1/64']
      gateway4: 192.168.1.254
      nameservers:
        addresses: [223.5.5.5]
      routes:
        - to: 192.168.2.0/24
          via: 192.168.1.8
          metric: 100
```

YAML

`netplan apply` 更新配置

Ubuntu 22.xx

更新 `/etc/netplan/10-ens3.yaml` 文件

```
network:
  version: 2
  renderer: networkd
  ethernets:
    enp1s0:
      dhcp4: no
      addresses: [192.168.1.1/24, '2401:c080::1/64']
      nameservers:
        addresses: [223.5.5.5]
      routes:
        - to: default
          via: 192.168.1.254
        - to: 192.168.2.0/24
          via: 192.168.1.8
          metric: 100
    enp6s0:
      match:
        macaddress: 51:00:04:53:d8:61
      mtu: 1450
      dhcp4: no
      addresses: [192.168.1.2/24]
```

YAML

`netplan apply` 更新配置

Ubuntu 16.xx, Ubuntu 17.04

更新 `/etc/network/interfaces` 配置文件

纯文本

```
auto lo
iface lo inet loopback

auto enp1s0
iface enp1s0 inet static
    address 192.168.1.1
    netmask 255.255.255.0
    gateway 192.168.1.254
    dns-nameservers 223.5.5.5
    post-up ip route add 192.168.2.0/24 dev enp1s0

iface enp1s0 inet6 static
    address 2401:c080:1c01:727:5400:04ff:fe5d:d861
    netmask 64
    dns-nameservers 2001:19f0:300:1704::6
```

`systemctl restart networking` 重启网络

Ubuntu 12.xx - Ubuntu 15.xx

更新 `/etc/network/interfaces` 配置文件

纯文本

```
auto lo
iface lo inet loopback

auto enp1s0
iface enp1s0 inet static
    address 158.247.202.27
    netmask 255.255.254.0
    gateway 158.247.202.1
    dns-nameservers 108.61.10.10
    post-up ip route add 169.254.0.0/16 dev enp1s0

iface enp1s0 inet6 static
    address 2401:c080:1c01:727:5400:04ff:fe5d:d861
    netmask 64
    dns-nameservers 2001:19f0:300:1704::6

# Private network: net641f12e4075d3
auto enp6s0
iface enp6s0 inet static
    address 10.34.96.3
    netmask 255.255.240.0
    mtu 1450
```

`systemctl restart networking` 重启网络

CentOS 6

更新 `/etc/sysconfig/network-scripts/ifcfg-enp1s0` 配置文件

Bash

```
DEVICE=enp1s0
ONBOOT=yes
BOOTPROTO=static
IPADDR=158.247.202.27
NETMASK=255.255.254.0
GATEWAY=158.247.202.1
DNS1=108.61.10.10

IPV6INIT=yes
IPV6ADDR="2401:c080:1c01:727:5400:04ff:fe5d:d861/64"
IPV6_AUTOCONF="yes"
DNS2=2001:19f0:300:1704::6
```

`service network restart` 重启网络

CentOS 7

更新 `/etc/sysconfig/network-scripts/ifcfg-eth0` 配置文件

Bash

```
DEVICE=eth0
ONBOOT=yes
BOOTPROTO=static
IPADDR=158.247.202.27
NETMASK=255.255.254.0
GATEWAY=158.247.202.1
DNS1=108.61.10.10

IPV6INIT=yes
IPV6ADDR="2401:c080:1c01:727:5400:04ff:fe5d:d861/64"
IPV6_AUTOCONF="yes"
DNS2=2001:19f0:300:1704::6
```

纯文本

```
# /etc/sysconfig/network-scripts/route-eth0 路由配置

169.254.0.0/16 dev eth0
```

`service network restart` 重启网络

CentOS 8

更新 `/etc/sysconfig/network-scripts/ifcfg-enp1s0` 配置文件

Bash

```
TYPE="Ethernet"
DEVICE="enp1s0"
ONBOOT="yes"
BOOTPROTO="none"
IPADDR=158.247.202.27
PREFIX=23
GATEWAY=158.247.202.1
DNS1=108.61.10.10
IPV6INIT="yes"
IPV6_AUTOCONF="yes"
```

```
# 加载网络配置
nmcli con load /etc/sysconfig/network-scripts/ifcfg-enp1s0
nmcli con up 'System enp1s0'
```

Debian 7-10

更新 `/etc/network/interfaces` 配置文件

纯文本

```
auto lo
iface lo inet loopback

auto enp1s0
iface enp1s0 inet static
    address 158.247.202.27
    netmask 255.255.254.0
    gateway 158.247.202.1
    dns-nameservers 108.61.10.10
    post-up ip route add 169.254.0.0/16 dev enp1s0

iface enp1s0 inet6 static
    address 2401:c080:1c01:727:5400:04ff:fe5d:d861
    netmask 64
    dns-nameservers 2001:19f0:300:1704::6

# Private network: net641f12e4075d3
auto enp6s0
iface enp6s0 inet static
    address 10.34.96.3
    netmask 255.255.240.0
    mtu 1450
```

`systemctl restart networking.service` 重启网络

Fedora 24-28

更新 `/etc/sysconfig/network-scripts/ifcfg-enp1s0` 配置文件

Bash

```
DEVICE=enp1s0
ONBOOT=yes
NM_CONTROLLED=no
BOOTPROTO=static
NOZEROCONF=yes
IPADDR=158.247.202.27
NETMASK=255.255.254.0
GATEWAY=158.247.202.1
DNS1=108.61.10.10

IPV6INIT=yes
IPV6ADDR="2401:c080:1c01:727:5400:04ff:fe5d:d861/64"
IPV6_AUTOCONF="yes"
DNS2=2001:19f0:300:1704::6
```

更新路由 `/etc/sysconfig/network-scripts/route-enp1s0` 配置文件

```
192.168.1.0/24 dev enp1s0
```

Bash

`systemctl restart network.service` 重启网络

Fedora 29-31

命令更新配置

```
nmcli con add con-name public-net ifname enp1s0 type ethernet ipv4.method 'manual' ipv4.addresses '158.247.202.27/23' ipv4.dns '108.61.10.10'
nmcli con mod public-net +ipv4.dns '108.61.10.10'

# ipv6
nmcli con mod public-net ipv6.method 'auto' ipv6.addresses ''
nmcli con up public-net
```

Bash

私有网络

```
nmcli con add con-name private-net ifname enp6s0 type ethernet ipv4.method 'manual' ipv4.addresses '10.34.96.3/20' 802-3-ethernet
nmcli con up private-net
```

Bash

FreeBSD 10.x, 11.x, 12.x

更新 `/etc/rc.conf` 配置文件

```
static_routes="linklocal"
route_linklocal="-net 169.254.0.0/16 -interface vtnet0"
ifconfig_vtnet0="inet 158.247.202.27 netmask 255.255.254.0"
defaultrouter="158.247.202.1"

rtsold_enable="YES"
ipv6_activate_all_interfaces="YES"
rtsold_flags="-aF"
ifconfig_vtnet0_ipv6="inet6 2401:c080:1c01:727:5400:04ff:fe5d:d861 prefixlen 64"

# Private network: net641f12e4075d3
ifconfig_vtnet1="inet 10.34.96.3 netmask 255.255.240.0 mtu 1450"
```

Bash

重启系统生效 `reboot`

OpenBSD 6.0 - 6.2

更新 [/etc/mygate](#) 配置文件

纯文本

```
# gateway
192.168.1.254
```

更新 [/etc/hostname.vio0](#) 配置文件

纯文本

```
inet 192.168.1.1 255.255.255.0 NONE
inet6 autoconf -autoconfprivacy
```