

UBUNTU20.04固定IP配置

1, 获取ens33网关地址

- 打开终端获取网关地址: `route -n`

```
ubuntu@ubuntu: ~  
ubuntu@ubuntu:~$ route -n  
内核 IP 路由表  
目标          网关          子网掩码      标志  跃点  引用  使用  接口  
0.0.0.0        172.16.12.2    0.0.0.0       UG    0     0     0    ens33  
172.16.12.0    0.0.0.0        255.255.255.0 U      0     0     0    ens33  
172.17.0.0     0.0.0.0        255.255.0.0   U      0     0     0    docker0  
ubuntu@ubuntu:~$
```

2, 编辑ens33网卡配置文件

- 目录: `cat /etc/netplan/01-network-manager-all.yaml`
- 进入编辑模式, 修改以下配置:
 - `sudo vim /etc/netplan/01-network-manager-all.yaml`

```
1 # Let NetworkManager manage all devices on  
  this system  
2 network:  
3   version: 2  
4   #renderer: NetworkManager  
5   ethernets:  
6     ens33:  
7       addresses:  
8       [172.16.12.142/24] # ifconfig获取IP地址  
9       gateway4: 172.16.12.2 # 通过  
10      route -n 获取到的网关  
11     nameservers:  
12       addresses:  
13       [172.16.12.2] # 和gateway4保持一致
```

- 配置展示:

```
ubuntu@ubuntu: ~  
# Let NetworkManager manage all devices on this system  
network:  
  version: 2  
  #renderer: NetworkManager  
  ethernets:  
    ens33:  
      addresses: [172.16.12.142/24] ← 通过ifconfig获取  
      gateway4: 172.16.12.2 ← route -n 获取  
      nameservers:  
        addresses: [172.16.12.2] ← 和gateway4保持一致  
~  
~  
~
```

- 保存退出后, 应用网络更改

- sudo netplan apply

```
ubuntu@ubuntu:~$ sudo netplan apply
```

3, 验证结果

- ifconfig查看IP地址, 并且重启不会变化

```
ubuntu@ubuntu:~$ ifconfig  
docker0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500  
  inet 172.17.0.1 netmask 255.255.0.0 broadcast 0.0.0.0  
  ether 02:42:34:8f:79:41 txqueuelen 0 (以太网)  
  RX packets 0 bytes 0 (0.0 B)  
  RX errors 0 dropped 0 overruns 0 frame 0  
  TX packets 0 bytes 0 (0.0 B)  
  TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
~  
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500  
  inet 172.16.12.142 netmask 255.255.255.0 broadcast 172.16.12.255  
  inet6 fe80::20c:29ff:fe68:89b3 prefixlen 64 scopeid 0x20<link>  
  ether 00:0c:29:68:89:b3 txqueuelen 1000 (以太网)  
  RX packets 2479 bytes 552727 (552.7 KB)  
  RX errors 0 dropped 0 overruns 0 frame 0  
  TX packets 2001 bytes 192778 (192.7 KB)  
  TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

- 测试网络是否ok

o

```
ubuntu@ubuntu: ~  
ubuntu@ubuntu:~$ ping www.baidu.com  
PING www.a.shifen.com (14.215.177.39) 56(84) bytes of data.  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=1 ttl=128 time=471 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=2 ttl=128 time=427 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=3 ttl=128 time=487 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=4 ttl=128 time=533 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=6 ttl=128 time=274 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=7 ttl=128 time=10.2 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=8 ttl=128 time=501 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=9 ttl=128 time=494 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=10 ttl=128 time=465 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=11 ttl=128 time=497 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=12 ttl=128 time=500 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=13 ttl=128 time=359 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=14 ttl=128 time=441 ms  
64 bytes from 14.215.177.39 (14.215.177.39): icmp_seq=16 ttl=128 time=412 ms
```

大功告成