

rk3588 ubuntu 静态IP验证

/etc/network/interface里固定IP的配置 在ubuntu 20.04已经不生效了，需要通过这个etc/netplan/01-network-manager-all.yaml 去修改

尝试配了静态ip 重启节点还在，也能ping 通百度,配置如下

前提，ubuntu 20.04

```
root@rpdzkj:~# cat /etc/issue
Ubuntu 20.04.5 LTS \n \l

root@rpdzkj:~#
```

没有对应的/etc/netplan/01-network-manager-all.yaml 可以手动创建

修改配置文件

```
network:
  version: 2
  ethernets:
    eth0:
      addresses: [192.168.3.50/24]
      dhcp4: no
      optional: true
      gateway4: 192.168.3.1
      nameservers:
        addresses: [192.168.3.1,8.8.8.8]
    enP4p65s0:
      addresses: [192.168.3.190/24]
      dhcp4: no
      optional: true
      gateway4: 192.168.3.1
      nameservers:
        addresses: [192.168.3.1,8.8.8.8]
    enP3p49s0:
      addresses: []
      dhcp4: true
      optional: true
```

参考资料的解决方案三

<https://blog.csdn.net/alfiy/article/details/122279914>

具体测试打印

```
root@rpdzkj:~# ifconfig
enP4p65s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.3.190 netmask 255.255.255.0 broadcast 192.168.3.255
    inet6 fe80::ec83:abff:fe62:11ac prefixlen 64 scopeid 0x20<link>
    ether ee:83:ab:62:11:ac txqueuelen 1000 (Ethernet)
    RX packets 1315 bytes 133339 (133.3 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 452 bytes 33075 (33.0 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 180 base 0xd000

eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.3.50 netmask 255.255.255.0 broadcast 192.168.3.255
    inet6 fe80::ec39:21ff:fed6:b694 prefixlen 64 scopeid 0x20<link>
    ether ee:39:21:d6:b6:94 txqueuelen 1000 (Ethernet)
    RX packets 1595 bytes 158933 (158.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1365 bytes 118074 (118.0 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 91

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 61 bytes 6327 (6.3 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 61 bytes 6327 (6.3 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlan0: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    ether 70:4a:0e:d6:d4:d8 txqueuelen 1000 (Ethernet)
    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
```

```

root@rpdzkj:~# ping -I enP4p65s0 www.baidu.com -c 6          ping 外网
PING www.a.shifen.com (14.215.177.38) from 192.168.3.190 enP4p65s0: 56(84) bytes of data.
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=1 ttl=55 time=6.96 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=2 ttl=55 time=6.96 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=3 ttl=55 time=8.27 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=4 ttl=55 time=7.05 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=5 ttl=55 time=7.21 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=6 ttl=55 time=176 ms

--- www.a.shifen.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5007ms
rtt min/avg/max/mdev = 6.959/35.433/176.150/62.932 ms
root@rpdzkj:~# ping -I eth0 www.baidu.com -c 6              ping外网
PING www.a.shifen.com (14.215.177.38) from 192.168.3.50 eth0: 56(84) bytes of data.
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=1 ttl=55 time=7.24 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=2 ttl=55 time=7.32 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=3 ttl=55 time=7.21 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=4 ttl=55 time=7.02 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=5 ttl=55 time=6.95 ms
64 bytes from 14.215.177.38 (14.215.177.38): icmp_seq=6 ttl=55 time=7.19 ms

--- www.a.shifen.com ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5007ms
rtt min/avg/max/mdev = 6.949/7.156/7.318/0.128 ms
root@rpdzkj:~# ping -I eth0 192.168.3.1 -c 6                ping 网关
PING 192.168.3.1 (192.168.3.1) from 192.168.3.50 eth0: 56(84) bytes of data.
64 bytes from 192.168.3.1: icmp_seq=1 ttl=64 time=0.886 ms
64 bytes from 192.168.3.1: icmp_seq=2 ttl=64 time=0.549 ms
64 bytes from 192.168.3.1: icmp_seq=3 ttl=64 time=0.526 ms
64 bytes from 192.168.3.1: icmp_seq=4 ttl=64 time=0.581 ms
64 bytes from 192.168.3.1: icmp_seq=5 ttl=64 time=0.540 ms
64 bytes from 192.168.3.1: icmp_seq=6 ttl=64 time=0.602 ms

--- 192.168.3.1 ping statistics ---
6 packets transmitted, 6 received, 0% packet loss, time 5064ms
rtt min/avg/max/mdev = 0.526/0.614/0.886/0.124 ms
root@rpdzkj:~#

```

开发板 ping 同网段

```

root@rpdzkj:~# ping -I eth0 192.168.3.103
PING 192.168.3.103 (192.168.3.103) from 192.168.3.50 eth0: 56(84) bytes of data.
64 bytes from 192.168.3.103: icmp_seq=1 ttl=64 time=2.13 ms
64 bytes from 192.168.3.103: icmp_seq=2 ttl=64 time=1.01 ms
64 bytes from 192.168.3.103: icmp_seq=3 ttl=64 time=1.01 ms
64 bytes from 192.168.3.103: icmp_seq=4 ttl=64 time=1.01 ms
64 bytes from 192.168.3.103: icmp_seq=5 ttl=64 time=1.07 ms
64 bytes from 192.168.3.103: icmp_seq=6 ttl=64 time=1.07 ms
64 bytes from 192.168.3.103: icmp_seq=7 ttl=64 time=1.01 ms
^C
--- 192.168.3.103 ping statistics ---
7 packets transmitted, 7 received, 0% packet loss, time 6008ms
rtt min/avg/max/mdev = 1.005/1.185/2.130/0.386 ms
root@rpdzkj:~#

```

```
C:\Users\admin>ping 192.168.3.50
```

```
正在 Ping 192.168.3.50 具有 32 字节的数据:
```

```
来自 192.168.3.50 的回复: 字节=32 时间<1ms TTL=64
```

```
来自 192.168.3.50 的回复: 字节=32 时间<1ms TTL=64
```

```
来自 192.168.3.50 的回复: 字节=32 时间<1ms TTL=64
```

```
来自 192.168.3.50 的回复: 字节=32 时间<1ms TTL=64
```

```
192.168.3.50 的 Ping 统计信息:
```

```
数据包: 已发送 = 4, 已接收 = 4, 丢失 = 0 (0% 丢失),
```

```
往返行程的估计时间(以毫秒为单位):
```

```
最短 = 0ms, 最长 = 0ms, 平均 = 0ms
```

```
C:\Users\admin>_
```