

新拓展坞的IP设置

首先输入ip a查看现在NUC的网口信息

一般来说，有

```
1: lo: <LOOPBACK . . . .> //这种是NUC本身的网口
2: enp8s0 //这个一般是Ecat的网口
3: enxxxxx //这个一般是拓展坞的网口
4: wlo1 //这个一般是无线WIFI的
```

其实只要记住：e开头的一般都是有网口的，w一般是（wireless）无线的。

记住拓展坞的设备名

然后

```
cd /etc/netplan
sudo vim 00-installer-config.yaml //这里也可以用tab不全00-(tab)-(tab).(tab)
```

然后就会见到

```
# This is the network config written by 'subquity'
network:
  ethernets:
    enp8s0:
      dhcp4: false
      optional: true
      addresses: [192.168.100.4/24] #这里的话哨兵是4，步兵是3
      optional: true
      nameservers:
        addresses: [255.255.255.0]
  version: 2
```

然后我们就赋值一遍enp里面这部分，然后把名字改成拓展坞的名字，如下：

```
# This is the network config written by 'subquity'
network:
  ethernets:
```

```
enp8xs0:
    dhcp4:false
    optional:true
    addresses:[192.168.100.4/24] #这里的话哨兵是4, 步兵是3
    optional:true
    name_servers:
        addresses:[255.255.255.0]
version:2
enpxxxx:
    dhcp4:false
    optional:true
    addresses:[192.168.100.2/24] #注意这里改为100.2
    optional:true
    name_servers:
        addresses:[255.255.255.0]
version:2
```

然后保存退出，接下来

```
cd rm_ws/src/rm_bringup/scripts/auto_start
vim auto_set_metric.sh
```

里面的话是这样的

```
#!/bin/bash
ECAT_IFACE=enpxxxx
EXCHANGE_IFACE=enxxxxxxxxx

echo "Starting auto_set_metric.sh!"

while true
do
if sudo ifmetric ${ECAT_IFACE} 200; then
    echo "${ECAT_IFACE} Metric: $(route -n | grep '0.0.0.0' | grep
"${ECAT_IFACE}" | awk '{print $5}')"
else
    echo "Failed to set metric for ${ECAT_IFACE}"
    exit 1
fi
```

```
if sudo ifmetric ${EXCHANGE_IFACE} 100; then
    echo "${EXCHANGE_IFACE} Metric: $(route -n | grep '0.0.0.0' | grep
"${EXCHANGE_IFACE}" | awk '{print $5}')"
else
    echo "Failed to set metric for ${EXCHANGE_IFACE}"
    exit 1
fi

sleep 10
done

echo "auto_set_metric.sh executed successfully!"
```

然后改 EXCHANGE_IFACE 里面的内容，改为我们拓展坞的名字
改完之后

```
./delete_specific_service.sh auto_set_metric
./create_specific_service.sh auto_set_metric
cd /etc/netplan
sudo netplan apply
sudo reboot
```

重启完之后ip a