

配置 USB 网卡地址并通过 USB 登陆

USB 口对于笔记本电脑的 ubuntu x86 虚拟机而言需要有一个地址

（192.168.1.188），对于开发板需要有一个地址（192.168.1.2），后者在制卡的时候就设置到开发板的 arm ubuntu 系统中了，所以需要设置 ubuntu x86 虚拟机的网卡地址，以便两者通过 USB 能连通：

下载 USB 网卡配置脚本：

wget

https://gitee.com/ascend/tools/raw/master/configure_usb_ethernet/for_20.1/configure_usb_ethernet.sh

```
root@ubuntu:~# wget https://gitee.com/ascend/tools/raw/master/configure_usb_ethernet/for_20.1/configure_usb_ethernet.sh
--2022-08-17 16:22:56-- https://gitee.com/ascend/tools/raw/master/configure_usb_ethernet/for_20.1/configure_usb_ethernet.sh
Resolving gitee.com (gitee.com)... 212.64.63.215, 212.64.63.190
Connecting to gitee.com (gitee.com)|212.64.63.215|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: unspecified [text/plain]
Saving to: 'configure_usb_ethernet.sh'

configure_usb_ethernet.sh      [ <=>          ] 6.43K  --.-KB/s  in 0s

2022-08-17 16:22:56 (22.2 MB/s) - 'configure_usb_ethernet.sh' saved [6588]

root@ubuntu:~#
```

执行该脚本，将开发环境的 USB 网络配置为 192.168.1.188

`bash configure_usb_ethernet.sh -s 192.168.1.188`

```
root@ubuntu:~# bash configure_usb_ethernet.sh -s 192.168.1.188
/root
Configure ens160u2 by 192.168.1.188
Configure usb ip successfully.
netplan apply successfully.
root@ubuntu:~#
```

测试连接：

`ping 192.168.1.2`

```
root@ubuntu:~# ping 192.168.1.2
PING 192.168.1.2 (192.168.1.2) 56(84) bytes of data.
64 bytes from 192.168.1.2: icmp_seq=1 ttl=64 time=3.12 ms
64 bytes from 192.168.1.2: icmp_seq=2 ttl=64 time=4.40 ms
64 bytes from 192.168.1.2: icmp_seq=3 ttl=64 time=2.74 ms
^C
--- 192.168.1.2 ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2002ms
rtt min/avg/max/mdev = 2.746/3.427/4.408/0.712 ms
root@ubuntu:~#
```

通了！