

LCM配置网络

```
intel@intel-Inspiron-15-3520:~/Desktop/cyberdog_locomotion/scripts$ cat  
config_network_lcm.sh
```

```
#!/bin/bash
```

```
OS="$(uname -s)"
```

```
if [ $# -eq 0 ]; then
```

```
    echo "Usage: config_network_lcm.sh -I [interface]"
```

```
    echo "or config_network_lcm.sh [computer]"
```

```
    echo "interface: network interface to configure"
```

```
    echo "computer: use stored interface for computer"
```

```
    echo "current computers:"
```

```
    echo " name    interface  description"
```

```
    echo " ----    -"

```

```
    echo " thinkpad  enp0s25    "
```

```
    echo " cynergy   enxa0cec808fb18"
```

```
    echo " xps-wifi   wlp1s0"
```

```
    echo " mc        enp1s0"
```

```
    echo " mc-usb     enxa0cec80424d3"
```

```
    echo " mc-top     enp1s0"
```

```
fi
```

```
if [ "$1" == "-I" ]; then
```

```
    case "$(uname -s)" in
```

```
        Darwin) # MacOS
```

```
            sudo route add -net 224.0.0.0 -netmask 240.0.0.0 -interface $2
```

```
            ;;
```

```
        Linux)
```

```
sudo ifconfig $2 multicast
sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev $2
;;

*)
echo 'Other OS'
;;
esac
fi

if [ "$1" == "thinkpad" ]; then
sudo ifconfig enp0s25 multicast
sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev enp0s25
fi

if [ "$1" == "cynergy" ]; then
sudo ifconfig eenxa0cec808fb18 multicast
sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev enxa0cec808fb18
fi

if [ "$1" == "xps-wifi" ]; then
sudo ifconfig wlp2s0 multicast
sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev wlp2s0
fi

if [ "$1" == "mc" ]; then
sudo ifconfig enp1s0 multicast
sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev enp1s0
fi

if [ "$1" == "mc-usb" ]; then
```

```
sudo ifconfig enxa0cec80424d3 multicast
sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev enxa0cec80424d3
fi
```

```
if [ "$1" == "mc-top" ]; then
    sudo ifconfig enp1s0 multicast
    sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev enp1s0
fi
```

```
if [ "$1" == "dhkim" ]; then
    sudo ifconfig enx70886b885732 multicast
    sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev enx70886b885732
fi
```

```
if [ "$1" == "ben-vm" ]; then
    sudo ifconfig enxa0cec80424d3 multicast
    sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev enxa0cec80e3ced
fi
```

```
if [ "$1" == "dhmac" ]; then
    sudo ifconfig enx70886b887f40 multicast
    sudo route add -net 224.0.0.0 netmask 240.0.0.0 dev enx70886b887f40
fi
```

```
intel@intel-Inspiron-15-3520:~/Desktop/cyberdog_locomotion/scripts$ ifconfig
docker0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.17.0.1 netmask 255.255.0.0 broadcast 172.17.255.255
    inet6 fe80::42:c4ff:feb3:5776 prefixlen 64 scopeid 0x20<link>
    ether 02:42:c4:b3:57:76 txqueuelen 0 (以太网)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
```

TX packets 130 bytes 31192 (31.1 KB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

enx000ec6bff8e5: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 192.168.44.100 netmask 255.255.255.0 broadcast 192.168.44.255

inet6 fe80::3f9c:b11:5425:c694 prefixlen 64 scopeid 0x20<link>

ether 00:0e:c6:bf:f8:e5 txqueuelen 1000 (以太网)

RX packets 261242 bytes 44900932 (44.9 MB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 220 bytes 23490 (23.4 KB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

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 (本地环回)

RX packets 1032611 bytes 613511192 (613.5 MB)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 1032611 bytes 613511192 (613.5 MB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

vethd31431a: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet6 fe80::6824:83ff:fe80:ee4f prefixlen 64 scopeid 0x20<link>

ether 6a:24:83:80:ee:4f txqueuelen 0 (以太网)

RX packets 0 bytes 0 (0.0 B)

RX errors 0 dropped 0 overruns 0 frame 0

TX packets 175 bytes 44731 (44.7 KB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

wlp0s20f3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500

inet 192.168.100.233 netmask 255.255.255.0 broadcast 192.168.100.255

inet6 fe80::2a25:33cc:9633:3fc5 prefixlen 64 scopeid 0x20<link>

ether 8c:f8:c5:8e:ab:61 txqueuelen 1000 (以太网)

RX packets 1993048 bytes 1465856156 (1.4 GB)

RX errors 0 dropped 13613 overruns 0 frame 0

TX packets 1051851 bytes 418865765 (418.8 MB)

TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

```
intel@intel-Inspiron-15-3520:~/Desktop/cyberdog_locomotion/scripts$ sudo ifconfig  
enx000ec6bff8e5 multicast
```

```
intel@intel-Inspiron-15-3520:~/Desktop/cyberdog_locomotion/scripts$ sudo route add -net  
224.0.0.0 netmask 240.0.0.0 dev enx000ec6bff8e5
```

```
intel@intel-Inspiron-15-3520:~/Desktop/cyberdog_locomotion/scripts$ lcm-logger
```

Opening log file "lcmlog-2024-03-23.01"

Summary: lcmlog-2024-03-23.01 ti: 1sec Events: 661 (0 MB) TPS: 660.22 KB/s:
104.03

Summary: lcmlog-2024-03-23.01 ti: 2sec Events: 1321 (0 MB) TPS: 659.61 KB/s:
103.95

^CLogger exiting

```
intel@intel-Inspiron-15-3520:~/Desktop/cyberdog_locomotion/scripts$ ./launch_lcm_spy.sh
```