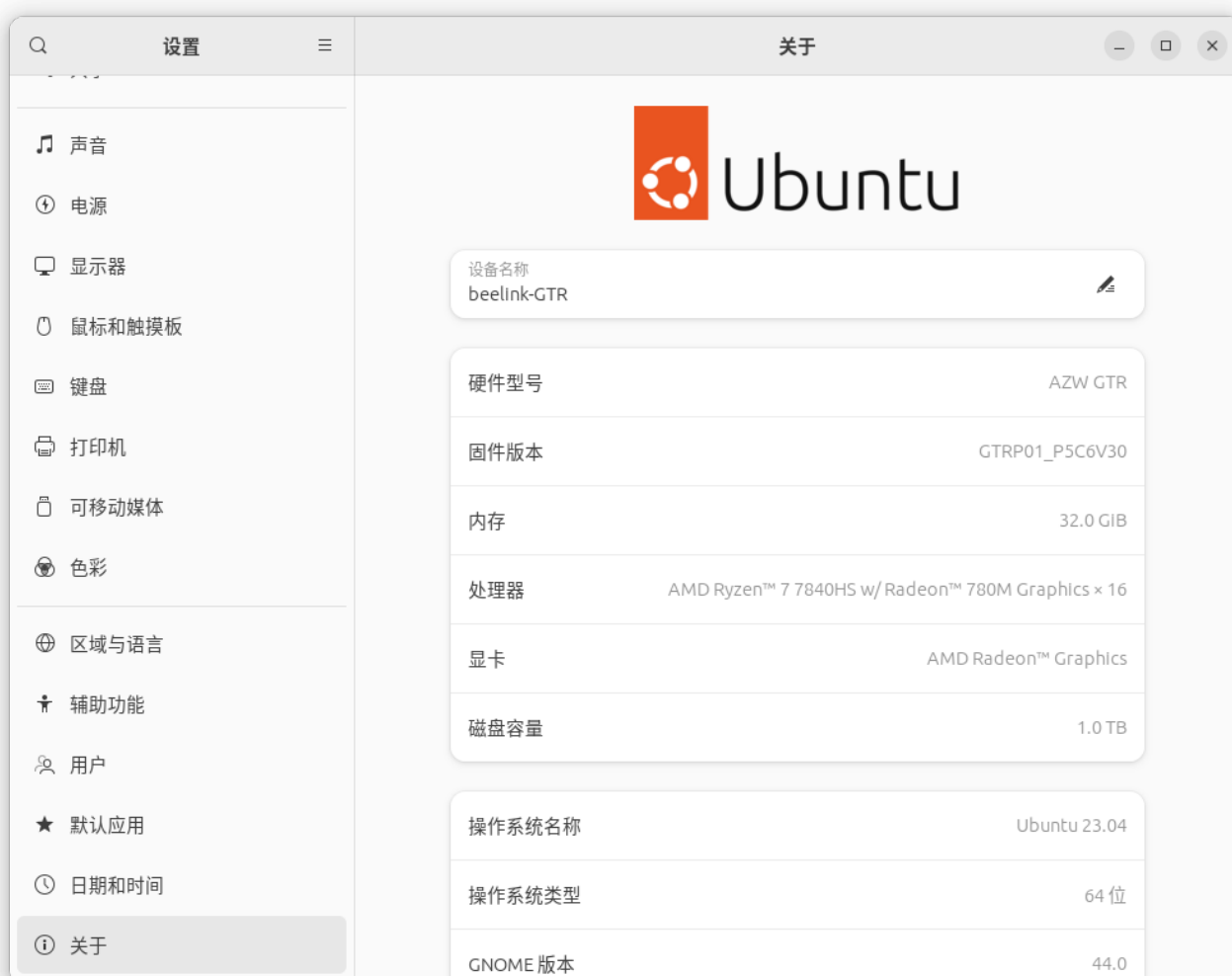


??OS/Ubuntu ?????????????? WoL?

??

????Ubuntu 23.04????



????????

1.?? systemd ????????

????? `sudo vim /etc/systemd/system/wol.service`

```
beelink@beelink-GTR: ~  
beelink@beelink-GTR:~$ sudo vim /etc/systemd/system/wol.service
```

???????

```
[Unit]  
Description=Wake-on-LAN for %i  
Requires=network.target  
After=network.target  
  
[Service]  
ExecStart=/sbin/ethtool -s %i wol g  
Type=oneshot  
  
[Install]  
WantedBy=multi-user.target
```

?????? :wq ????


```

beelink@beelink-GTR: ~
valid_lft 42734sec preferred_lft 42734sec
inet6 fe80::5a60:2ded:7be5:f9f5/64 scope link noprefixroute
valid_lft forever preferred_lft forever
beelink@beelink-GTR:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp3s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 70:70:fc:02:f1:80 brd ff:ff:ff:ff:ff:ff
    inet 192.168.31.230/24 brd 192.168.31.255 scope global dynamic noprefixroute
        valid_lft 43179sec preferred_lft 43179sec
    inet6 fe80::c784:d2dd:bbf6:d2d9/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
3: enp4s0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc mq state DOWN group default qlen 1000
    link/ether 70:70:fc:02:f1:81 brd ff:ff:ff:ff:ff:ff
4: wlp5s0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000
    link/ether f4:6d:3f:a7:0b:48 brd ff:ff:ff:ff:ff:ff
beelink@beelink-GTR:~$

```

????????????????????????????????en3s0

????????????? WoL ???? ?

3.??????? WoL ?????

```
??? systemctl enable wol@enp3s0
```

```
beelink@beelink-GTR: ~  
    inet6 fe80::5a60:2ded:7be5:f9f5/64 scope link noprefixroute  
        valid_lft forever preferred_lft forever  
beelink@beelink-GTR:~$ ip a  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1/8 scope host lo  
        valid_lft forever preferred_lft forever  
    inet6 ::1/128 scope host  
        valid_lft forever preferred_lft forever  
2: enp3s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000  
    link/ether 70:70:fc:02:f1:80 brd ff:ff:ff:ff:ff:ff  
    inet 192.168.31.230/24 brd 192.168.31.255 scope global dynamic noprefixroute enp3s0  
        valid_lft 43179sec preferred_lft 43179sec  
    inet6 fe80::c784:d2dd:bbf6:d2d9/64 scope link noprefixroute  
        valid_lft forever preferred_lft forever  
3: enp4s0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc mq state DOWN group default qlen 1000  
    link/ether 70:70:fc:02:f1:81 brd ff:ff:ff:ff:ff:ff  
4: wlp5s0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000  
    link/ether f4:6d:3f:a7:0b:48 brd ff:ff:ff:ff:ff:ff  
beelink@beelink-GTR:~$ systemctl enable wol@enp3s0  
beelink@beelink-GTR:~$
```

4.??

??: `systemctl start wol@enp3s0`

```
beelink@beelink-GTR: ~  
    valid_lft forever preferred_lft forever  
beelink@beelink-GTR:~$ ip a  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1/8 scope host lo  
        valid_lft forever preferred_lft forever  
    inet6 ::1/128 scope host  
        valid_lft forever preferred_lft forever  
2: enp3s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000  
    link/ether 70:70:fc:02:f1:80 brd ff:ff:ff:ff:ff:ff  
    inet 192.168.31.230/24 brd 192.168.31.255 scope global dynamic noprefixroute enp3s0  
        valid_lft 43179sec preferred_lft 43179sec  
    inet6 fe80::c784:d2dd:bbf6:d2d9/64 scope link noprefixroute  
        valid_lft forever preferred_lft forever  
3: enp4s0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc mq state DOWN group default qlen 1000  
    link/ether 70:70:fc:02:f1:81 brd ff:ff:ff:ff:ff:ff  
4: wlp5s0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc noqueue state DOWN group default qlen 1000  
    link/ether f4:6d:3f:a7:0b:48 brd ff:ff:ff:ff:ff:ff  
beelink@beelink-GTR:~$ systemctl enable wol@enp3s0  
beelink@beelink-GTR:~$ systemctl start wol@enp3s0  
beelink@beelink-GTR:~$
```

5.???????

??? `ethtool enp3s0`

```
root@beelink-GTR: ~  
2500baseT/Full  
Supported pause frame use: Symmetric  
Supports auto-negotiation: Yes  
Supported FEC modes: Not reported  
Advertised link modes: 10baseT/Half 10baseT/Full  
100baseT/Half 100baseT/Full  
1000baseT/Full  
2500baseT/Full  
Advertised pause frame use: Symmetric  
Advertised auto-negotiation: Yes  
Advertised FEC modes: Not reported  
Speed: Unknown!  
Duplex: Unknown! (255)  
Auto-negotiation: on  
Port: Twisted Pair  
PHYAD: 0  
Transceiver: internal  
MDI-X: off (auto)  
Supports Wake-on: pumbg  
Wake-on: g  
Current message level: 0x00000007 (7)  
drv probe link  
Link detected: no  
root@beelink-GTR:~#
```

Wake-on g

Linux etherwake

etherwake -b [mac] -i [ip]

wakeonlan

wakeonlan [mac]