



链滴

# Linux 获取网卡型号、mac 地址、修改 IP 地址的几种方法

作者: [Leif160519](#)

原文链接: <https://ld246.com/article/1569726916705>

来源网站: 链滴

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<p></p>  
<h2 id="1-获取所有有-无-网卡型号">1.获取所有有(无)网卡型号</h2>  
<h3 id="方法一-ifconfig">方法一、ifconfig</h3>  
<p>用法: <code>ifconfig | grep &lt;network\_interface&gt; | cut -d ':' -f 1</code><br>  
ubuntu</p>  
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">root@ubuntu:~# ifconfig | grep enp | cut -d ':' -f 1  
</span></span><span class="highlight-line"><span class="highlight-cl">enp2s0  
</span></span><span class="highlight-line"><span class="highlight-cl">enp3s0  
</span></span></code></pre>  
<p>centos</p>  
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">[root@centos ~]# ifconfig | grep ens | cut -d ':' -f 1  
</span></span><span class="highlight-line"><span class="highlight-cl">ens192  
</span></span></code></pre>  
<blockquote>  
<p>注意: ubuntu 下有线网卡基本以 <code>enp</code> 开头, centos 以 <code>ens</code>  
开头, 无线网卡下 ubuntu 以 <code>wlp</code> 开头</p>  
</blockquote>  
<h3 id="方法二-ip-a">方法二、ip a</h3>  
<p>用法: <code>ip a | grep &lt;network\_interface&gt; | cut -d ':' -f 2 | awk '{print \$1}' | grep  
&lt;network\_interface&gt;</code><br>  
ubuntu</p>  
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">root@ubuntu:~# ip a | grep enp | cut -d ':' -f 2 | awk '{print \$1}' | grep enp  
</span></span><span class="highlight-line"><span class="highlight-cl">enp2s0  
</span></span><span class="highlight-line"><span class="highlight-cl">enp3s0  
</span></span></code></pre>  
<p>centos</p>  
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">[root@centos ~]# ip a | grep ens | cut -d ':' -f 2 | awk '{print \$1}' | grep ens  
</span></span><span class="highlight-line"><span class="highlight-cl">ens192  
</span></span></code></pre>  
<h3 id="方法三-ls--sys-class-net--推荐-">方法三、ls /sys/class/net (推荐)</h3>  
<p>用法: <code>ls /sys/class/net | grep &lt;network\_interface&gt;</code></p>  
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">root@ubuntu:~# ls /sys/class/net | grep enp  
</span></span><span class="highlight-line"><span class="highlight-cl">enp2s0  
</span></span><span class="highlight-line"><span class="highlight-cl">enp3s0  
</span></span></code></pre>  
<h2 id="2-获取有-无-线网卡对应mac地址">2.获取有(无)线网卡对应 mac 地址</h2>  
<p>用法: <code>cat /sys/class/net/&lt;network\_interface&gt;/address</code></p>  
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">root@ubuntu:~# cat /sys/class/net/enp2s0/address  
</span></span><span class="highlight-line"><span class="highlight-cl">f4:8e:38:ad:34:6d  
</span></span></code></pre>  
<h2 id="3-获取有-无-线网卡对应的IP地址">3.获取有(无)线网卡对应的 IP 地址</h2>  
<p>用法: <code>ifconfig &lt;network\_interface&gt; | grep inet | grep -v inet6 | sed 's/^[ \t]\*/  
g' | cut -d ' ' -f 2 | awk '{print \$1}'</code></p>  
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">root@ubuntu:~# ifconfig enp2s0 | grep inet | grep -v inet6 | sed 's/^[ \t]\*//g' | cut -d ' ' -f  
2 | awk '{print \$1}'  
</span></span><span class="highlight-line"><span class="highlight-cl">192.168.81.208  
</span></span></code></pre>

## 4.补充: 查看某个网卡信息

```
root@ubuntu:~# ifconfig enp2s0
enp2s0: flags=413<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.208 netmask 255.255.254.0 broadcast 192.168.81.255
    inet6 fe80::c b1:bc04:43a5:9eab prefixlen 64 scopeid 0x20<link>;
    ether f4:8e:38ad:34:6d txqueuelen 1000 (以太网)
    RX packets 3571544 bytes 5640943675 (5.6 GB)
    RX errors 0 dropped 1989163 overruns 0 frame 0
    TX packets 4318631 bytes 36700361403 (36.7 GB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

```
root@ubuntu:~# ip a s enp2s0
2: enp2s0: <BRADCAST,MULTICAST,UP,LOWER_UP>; mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether f4:8e:8:ad:34:6d brd ff:ff:ff:ff:ff:ff
    inet 192.168.81.208/23 brd 192.168.81.255 scope global noprefixroute enp2s0
        valid_lft forever preferred_lft forever
    inet 192.168.81.111/32 scope global enp2s0
        valid_lft forever preferred_lft forever
    inet6 fe80::c0b1bc04:43a5:9eab/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

## 5.修改 IP 地址

### Ubuntu

#### 有线

```
#传参顺序: IP地址 子网掩码 网关 dns 有线网卡设备号
uuid=$(uuidgen)
address="{1:-"192.168.81.209"}
netmask="{2:-"23}"
gateway="{3:-"19.168.80.1"}
dns="{4:-"192.168.3.230"}
```

```

</span></span><span class="highlight-line"><span class="highlight-cl">interface=${5:-"e
p1s0"}
</span></span><span class="highlight-line"><span class="highlight-cl">#时间戳
</span></span><span class="highlight-line"><span class="highlight-cl">timestamp=`date
+%s`
</span></span><span class="highlight-line"><span class="highlight-cl">mac_address=`cat
/sys/class/net/${interface}/address`
</span></span><span class="highlight-line"><span class="highlight-cl">#将mac地址转化
大写
</span></span><span class="highlight-line"><span class="highlight-cl">typeset -u mac
</span></span><span class="highlight-line"><span class="highlight-cl">mac=${mac_addr
ss}
</span></span><span class="highlight-line"><span class="highlight-cl">en="Wired conne
tion 1"
</span></span><span class="highlight-line"><span class="highlight-cl">cn="有线连接 1"
</span></span><span class="highlight-line"><span class="highlight-cl">network=""
</span></span><span class="highlight-line"><span class="highlight-cl">#获取语言
</span></span><span class="highlight-line"><span class="highlight-cl">language=`cat /et
/default/locale | grep "LANG=" | awk '{print $1}'`
</span></span><span class="highlight-line"><span class="highlight-cl">zh_cn="zh_CN"
</span></span><span class="highlight-line"><span class="highlight-cl">en_us="en_US"
</span></span><span class="highlight-line"><span class="highlight-cl">if [[ ${language}
~ ${zh_cn} ]];then
</span></span><span class="highlight-line"><span class="highlight-cl"> echo "系统语言
中文"
</span></span><span class="highlight-line"><span class="highlight-cl"> network=${cn}
</span></span><span class="highlight-line"><span class="highlight-cl">else
</span></span><span class="highlight-line"><span class="highlight-cl"> echo "系统语言
英文"
</span></span><span class="highlight-line"><span class="highlight-cl"> network=${en}
</span></span><span class="highlight-line"><span class="highlight-cl">fi
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">cat &&&EOF &
t;/etc/NetworkManager/system-connections/"${network}"
</span></span><span class="highlight-line"><span class="highlight-cl">[connection]
</span></span><span class="highlight-line"><span class="highlight-cl">id=${network}
</span></span><span class="highlight-line"><span class="highlight-cl">uuid=${uuid}
</span></span><span class="highlight-line"><span class="highlight-cl">type=ethernet
</span></span><span class="highlight-line"><span class="highlight-cl">autoconnect-prior
ty=-999
</span></span><span class="highlight-line"><span class="highlight-cl">permissions=
</span></span><span class="highlight-line"><span class="highlight-cl">timestamp=${tim
stamp}
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">[ethernet]
</span></span><span class="highlight-line"><span class="highlight-cl">mac-address=${m
c}
</span></span><span class="highlight-line"><span class="highlight-cl">mac-address-blac
list=
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">[ipv4]
</span></span><span class="highlight-line"><span class="highlight-cl">address1=${addre
s}/${netmask},${gateway}
</span></span><span class="highlight-line"><span class="highlight-cl">dns=${dns}

```

```

</span></span><span class="highlight-line"><span class="highlight-cl">dns-search=
</span></span><span class="highlight-line"><span class="highlight-cl">method=manual
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">[ipv6]
</span></span><span class="highlight-line"><span class="highlight-cl">addr-gen-mode=s
able-privacy
</span></span><span class="highlight-line"><span class="highlight-cl">dns-search=
</span></span><span class="highlight-line"><span class="highlight-cl">method=auto
</span></span><span class="highlight-line"><span class="highlight-cl">EOF
</span></span><span class="highlight-line"><span class="highlight-cl">#文件赋权
</span></span><span class="highlight-line"><span class="highlight-cl">chmod 600 /etc/
etworkManager/system-connections/"${network}"
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">#IP临时生效, 重
永久生效
</span></span><span class="highlight-line"><span class="highlight-cl">#ifconfig ${interfa
e} ${address}
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 关闭网卡${interface} \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">ifconfig ${interfac
} down
</span></span><span class="highlight-line"><span class="highlight-cl">sleep 10
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 关闭网络管理服务 \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">systemctl stop ne
work-manager
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 开启网络管理服务 \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">systemctl start ne
work-manager
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 开启网卡${interface} \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">ifconfig ${interfac
} up
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 查看修改后有线IP配置 \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">ip a
</span></span></code></pre>

```

<blockquote>

<p>若有多个 dns, 请以 <code>分号(;)</code> 隔开</p>

</blockquote>

<h4 id="无线">无线</h4>

```

<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight
cl">#传参顺序: wifi名称 wifi密码 网卡设备号 ip地址 子网掩码 网关 dns
</span></span><span class="highlight-line"><span class="highlight-cl">uuid=$(uuidgen)
</span></span><span class="highlight-line"><span class="highlight-cl">wifi_name=${1:-"
ECDAPTAIN"}
</span></span><span class="highlight-line"><span class="highlight-cl">wifi_psk=${2:-"M
CT8888"}
</span></span><span class="highlight-line"><span class="highlight-cl">interface=${3:-"wl
2s0"}
</span></span><span class="highlight-line"><span class="highlight-cl">address=${4:-"192
168.81.209"}

```

```


```

```


```

```


```

```


```

```


```

```

</span></span><span class="highlight-line"><span class="highlight-cl">netmask=${5:-"23
}
</span></span><span class="highlight-line"><span class="highlight-cl">gateway=${6:-"19
.168.80.1"}
</span></span><span class="highlight-line"><span class="highlight-cl">dns=${7:-"192.168
3.230"}
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">#搜索到的无线网
称
</span></span><span class="highlight-line"><span class="highlight-cl">#wifi_list=`iwlist ${
nterface} scan | grep ESSID |cut -d '"' -f 2`
</span></span><span class="highlight-line"><span class="highlight-cl">mac_address=`cat
/sys/class/net/${interface}/address`
</span></span><span class="highlight-line"><span class="highlight-cl">#将mac地址转化
大写
</span></span><span class="highlight-line"><span class="highlight-cl">typeset -u mac
</span></span><span class="highlight-line"><span class="highlight-cl">mac=${mac_addr
ss}
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">cat &&&&EOF &
t;/etc/NetworkManager/system-connections/${wifi_name}
</span></span><span class="highlight-line"><span class="highlight-cl">[connection]
</span></span><span class="highlight-line"><span class="highlight-cl">id=${wifi_name}
</span></span><span class="highlight-line"><span class="highlight-cl">uuid=${uuid}
</span></span><span class="highlight-line"><span class="highlight-cl">type=wifi
</span></span><span class="highlight-line"><span class="highlight-cl">permissions=
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">[wifi]
</span></span><span class="highlight-line"><span class="highlight-cl">mac-address=${m
c}
</span></span><span class="highlight-line"><span class="highlight-cl">mac-address-blac
list=
</span></span><span class="highlight-line"><span class="highlight-cl">mode=infrastruct
re
</span></span><span class="highlight-line"><span class="highlight-cl">ssid=${wifi_name}
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">[wifi-security]
</span></span><span class="highlight-line"><span class="highlight-cl">key-mgmt=wpa-p
k
</span></span><span class="highlight-line"><span class="highlight-cl">psk=${wifi_psk}
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">[ipv4]
</span></span><span class="highlight-line"><span class="highlight-cl">address1=${addre
s}/${netmask},${gateway}
</span></span><span class="highlight-line"><span class="highlight-cl">dns=${dns}
</span></span><span class="highlight-line"><span class="highlight-cl">dns-search=
</span></span><span class="highlight-line"><span class="highlight-cl">method=manual
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">[ipv6]
</span></span><span class="highlight-line"><span class="highlight-cl">addr-gen-mode=s
able-privacy
</span></span><span class="highlight-line"><span class="highlight-cl">dns-search=
</span></span><span class="highlight-line"><span class="highlight-cl">method=auto
</span></span><span class="highlight-line"><span class="highlight-cl">EOF

```

```

</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 赋予配置文件600权限 \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">chmod 600 /etc/
etworkManager/system-connections/${wifi_name}
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">#IP临时生效, 重
永久生效
</span></span><span class="highlight-line"><span class="highlight-cl">#ifconfig ${interfa
e} ${address}
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 关闭网卡${interface} \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">ifconfig ${interfac
} down
</span></span><span class="highlight-line"><span class="highlight-cl">sleep 10
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 关闭网络管理服务 \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">systemctl stop ne
work-manager
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 开启网络管理服务 \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">systemctl start ne
work-manager
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 开启网卡${interface} \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">ifconfig ${interfac
} up
</span></span><span class="highlight-line"><span class="highlight-cl">echo -e "\033[1;3
m 查看修改后有线IP配置 \033[0m"
</span></span><span class="highlight-line"><span class="highlight-cl">ip a
</span></span></code></pre>

```

<blockquote>

<p>若有多个 dns, 请以 <code>分号(;)</code> 隔开</p>

</blockquote>

<blockquote>

<p>Ubuntu 的网络配置文件都在 <code>/etc/NetworkManager/system-connections/</code> 下, 直接修改这里的文件是最直接有效的。 </p>

</blockquote>

### centos</h3>

#### 有线</h4>

```

<pre><code class="language-bash highlight-chroma"><span class="highlight-line"><span c
lass="highlight-cl"><span class="highlight-cp">#!/usr/bin/env bash
</span></span></span><span class="highlight-line"><span class="highlight-cl"><span cla
s="highlight-cp"></span><span class="highlight-c1">#传参顺序: IP地址 子网掩码 网关 dns1
ns2 有线网卡设备号</span>
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="high
light-nv">address</span><span class="highlight-o">=</span><span class="highlight-si">$
</span><span class="highlight-nv">1</span><span class="highlight-k">:-</span><span cl
ass="highlight-s2">"192.168.81.209"</span><span class="highlight-si">}</span>
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="high
light-nv">netmask</span><span class="highlight-o">=</span><span class="highlight-si">$
</span><span class="highlight-nv">2</span><span class="highlight-k">:-</span><span cl
ass="highlight-s2">"23"</span><span class="highlight-si">}</span>
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="high

```

```
ight-nv">gateway</span> <span class="highlight-o">=</span> <span class="highlight-si">${</span>
</span> <span class="highlight-nv">3</span> <span class="highlight-k">:-</span> <span cl
ss="highlight-s2">"192.168.80.1"</span> <span class="highlight-si">}</span>
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="high
ight-nv">dns1</span> <span class="highlight-o">=</span> <span class="highlight-si">${</
span> <span class="highlight-nv">4</span> <span class="highlight-k">:-</span> <span clas
s="highlight-s2">"192.168.3.230"</span> <span class="highlight-si">}</span>
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="high
ight-nv">dns2</span> <span class="highlight-o">=</span> <span class="highlight-si">${</
span> <span class="highlight-nv">5</span> <span class="highlight-k">:-</span> <span clas
s="highlight-s2">"192.168.3.231"</span> <span class="highlight-si">}</span>
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="high
ight-nv">interface</span> <span class="highlight-o">=</span> <span class="highlight-si">
{</span> <span class="highlight-nv">6</span> <span class="highlight-k">:-</span> <span c
ass="highlight-s2">"ens33"</span> <span class="highlight-si">}</span>
</span> </span> <span class="highlight-line"> <span class="highlight-cl">
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span class="high
ight-nv">uuid</span> <span class="highlight-o">=</span> <span class="highlight-k">$(</
span> uuidgen<span class="highlight-k">)</span>
</span> </span> <span class="highlight-line"> <span class="highlight-cl"> cat <span class="
ighlight-s">&lt;&lt;EOF &gt;/etc/sysconfig/network-scripts/ifcfg-${interface}
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">TYPE="Ethernet"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">PROXY_METHOD="none"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">BROWSER_ONLY="no"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">BOOTPROTO="none"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">DEFROUTE="yes"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">IPV4_FAILURE_FATAL="no"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">IPV6INIT="yes"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">IPV6_AUTOCONF="yes"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">IPV6_DEFROUTE="yes"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">IPV6_FAILURE_FATAL="no"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">IPV6_ADDR_GEN_MODE="stable-privacy"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">NAME="ens192"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">UUID="${uuid}"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">DEVICE="${interface}"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">ONBOOT="yes"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
s="highlight-s">IPADDR="${address}"
</span> </span> </span> <span class="highlight-line"> <span class="highlight-cl"> <span cla
```



```
s="highlight-s">PREFIX="${netmask}"
</span></span></span><span class="highlight-line"><span class="highlight-cl"><span cla
s="highlight-s">GATEWAY="${gateway}"
</span></span></span><span class="highlight-line"><span class="highlight-cl"><span cla
s="highlight-s">IPV6_PRIVACY="no"
</span></span></span><span class="highlight-line"><span class="highlight-cl"><span cla
s="highlight-s">DNS1="${dns1}"
</span></span></span><span class="highlight-line"><span class="highlight-cl"><span cla
s="highlight-s">DNS2="${dns2}"
</span></span></span><span class="highlight-line"><span class="highlight-cl"><span cla
s="highlight-s">EOF</span>
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="high
light-nb">echo</span> -e <span class="highlight-s2">"\033[1;32m 重启网络服务 \033[0m"<
span>
</span></span><span class="highlight-line"><span class="highlight-cl">systemctl restart
etwork
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="high
light-nb">echo</span> -e <span class="highlight-s2">"\033[1;32m 查看网络服务状态 \033[0
"</span>
</span></span><span class="highlight-line"><span class="highlight-cl">systemctl status n
twork
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="high
light-nb">echo</span> -e <span class="highlight-s1">"\033[1;32m 查看修改后的IP地址 \033[
m'</span>
</span></span><span class="highlight-line"><span class="highlight-cl">ip a
</span></span><span class="highlight-line"><span class="highlight-cl"><span class="high
light-nb">exit</span>
</span></span><span class="highlight-line"><span class="highlight-cl">
</span></span></code></pre>

```

<blockquote>

<p>centos 的网络配置文件都在 <code>/etc/sysconfig/network-scripts</code> 下</p>

</blockquote>

<blockquote>

<p>以上脚本都可以改写为控制台输入的方式变成通用脚本。</p>

</blockquote>

## <p>用法: <code>iwlist &lt;network\_interface> scan(scanning) | grep ESSID |cut -d '"' -f 2< code><br> 或: <code>iw dev &lt;network\_interface> scan | grep SSID |cut -d ':' -f 2 | awk '{print \$1}'< code></p> ``` <pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight cl">root@ubuntu:~# iwlist wlp2s0 scan | grep ESSID |cut -d '"' -f 2 ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">HP-Print-04-Laser et Pro MFP ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">MikroTik-768962 ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">ChinaNet-DDNw ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">SGXY-Office ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">SGXY-Office ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">iTV-DDNw ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">ChinaNet-xHwF ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">ChinaNet-CaDp ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">ChinaNet-XZws ``` 原文链接: [Linux 获取网卡型号、mac 地址、修改 IP 地址的几种方法](#)

```
</span></span><span class="highlight-line"><span class="highlight-cl">ChinaNet-VuPW
</span></span><span class="highlight-line"><span class="highlight-cl">iTV-VuPW
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">DIRECT-PODESKT
P-CS6BIUPmsHE
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">DIRECT-67-HP M
81 LaserJet
</span></span><span class="highlight-line"><span class="highlight-cl">GNWS
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">TP-LINK_nanorain
OW
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">HP-Print-9B-Color
LaserJet Pro
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span><span class="highlight-line"><span class="highlight-cl">TP-LINK_8303
</span></span><span class="highlight-line"><span class="highlight-cl">i-Nanjing-Free
</span></span></code></pre>
```

## 7.无线设备的开启和关闭(临时, 重启失效)</h2>

### ``` <pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight cl">rfskill block/unblock all </span></span></code></pre> ``` ``` <pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight cl">rfskill block/unblock &lt;interface&gt; </span></span></code></pre> <blockquote> ``` <p>interface 包括: 0 ,1, all,bluetooth,gps,uwb,wifi,wimax,wwan</p> </blockquote> ``` <pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight cl">rfskill list </span></span></code></pre> ``` <p>如: </p> ``` <pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight cl">root@ubuntu:~# rfskill list </span></span><span class="highlight-line"><span class="highlight-cl">0: hci0: Bluetooth </span></span><span class="highlight-line"><span class="highlight-cl"> Soft blocked: n ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl"> Hard blocked: 0 ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl">1: phy0: Wireless AN ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl"> Soft blocked: n ``` ``` </span></span><span class="highlight-line"><span class="highlight-cl"> Hard blocked: ``` 原文链接: [Linux 获取网卡型号、mac 地址、修改 IP 地址的几种方法](#)

```
o
</span></span></code></pre>
<h2 id="8-查看无线网卡连接的网络信息">8.查看无线网卡连接的网络信息</h2>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">iwconfig &lt;network_interface>;
</span></span></code></pre>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">ip19@ubuntu:~$ iwconfig wlp2s0
</span></span><span class="highlight-line"><span class="highlight-cl">wlp2s0 IEEE 802
11 ESSID:"MEDCAPTAIN_2.4G"
</span></span><span class="highlight-line"><span class="highlight-cl">Mode:Man
ged Frequency:2.412 GHz Access Point: 0C:4B:54:FE:27:F2
</span></span><span class="highlight-line"><span class="highlight-cl">Bit Rate=15
Mb/s Tx-Power=20 dBm
</span></span><span class="highlight-line"><span class="highlight-cl">Retry short I
mit:7 RTS thr=2347 B Fragment thr:off
</span></span><span class="highlight-line"><span class="highlight-cl">Power Man
agement:on
</span></span><span class="highlight-line"><span class="highlight-cl">Link Qualit
=70/70 Signal level=-26 dBm
</span></span><span class="highlight-line"><span class="highlight-cl">Rx invalid n
id:0 Rx invalid crypt:0 Rx invalid frag:0
</span></span><span class="highlight-line"><span class="highlight-cl">Tx excessive
retries:0 Invalid misc:5 Missed beacon:0
</span></span></code></pre>
<h2 id="9-禁用-启用有线网卡-临时-重启失效-">9.禁用/启用有线网卡(临时, 重启失效)</h2>
<pre><code class="highlight-chroma"><span class="highlight-line"><span class="highlight-cl">ifconfig &lt;network_interface> down/up
</span></span></code></pre>
<blockquote>
<p>说明: 无线设备的开启和关闭, 使用 rfkill 命令, 用 ifconfig 命令不管用</p>
</blockquote>
```