

Managing RHEL Networking

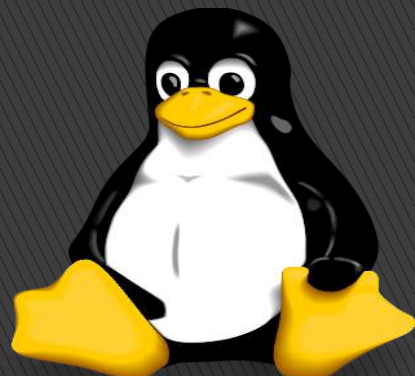


For show ip address

#ifconfig

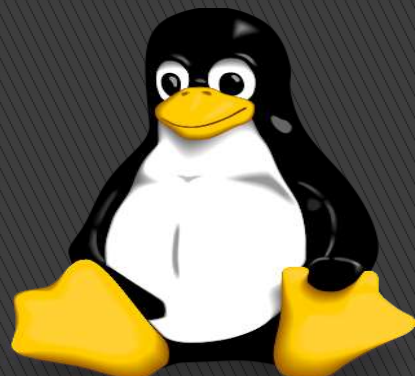
Or

#ip addr



Configuring Networking with nmcli

Network Manager is a daemon that monitor and manages network settings.
nmcli command used to manage networking in rhel9



Manage IP configuration

For Show all list of connection

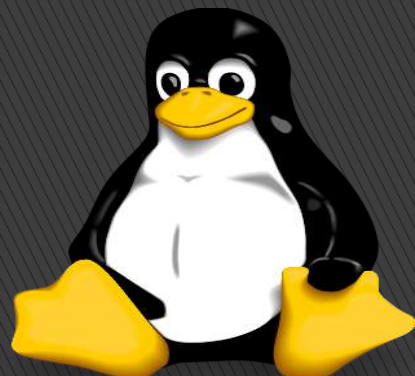
```
#nmcli con show
```

For show active connection

```
#nmcli con show --active
```

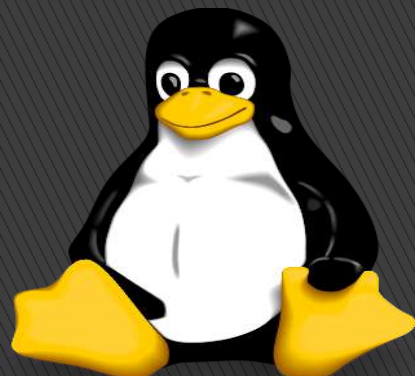
For show specific connection

```
#nmcli con show "citynet"
```



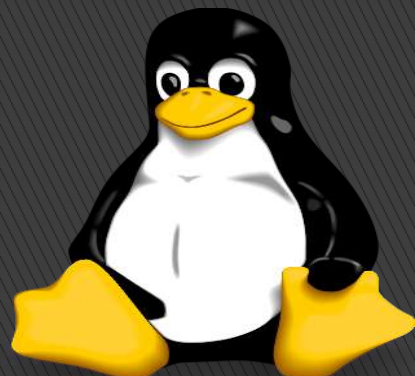
For show device status

```
#nmcli      dev      status
```



For create new connection with nmcli

```
#nmcli con add con-name "citynet" ifname ens33 type ethernet ipv4.add  
192.168.0.2/24 gw4 192.168.0.1 ip4.dns 192.168.0.1  
connection.autoconnect yes ipv4.method manual
```

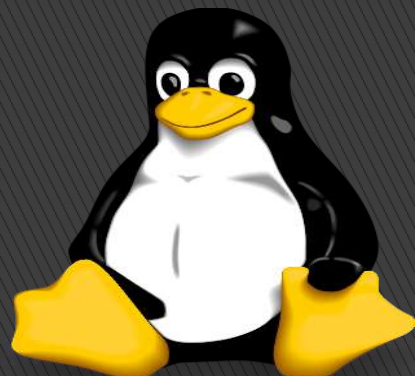


For modify connection to add dns

```
#nmcli con mod "citynet" ipv4.add 192.168.0.100
#nmcli con mod "citynet" gw4 192.168.0.254
#nmcli con mod "citynet" ipv4.dns 192.168.0.254
```

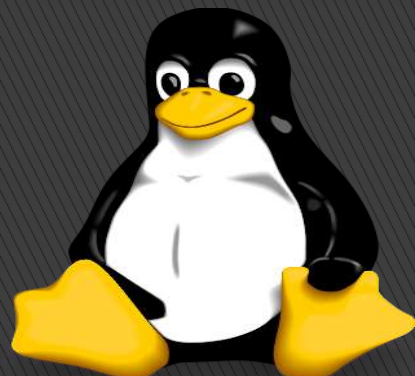
```
#nmcli con down citynet
#nmcli con up citynet
```

```
#nmcli con show --active
#nmcli con show citynet
```



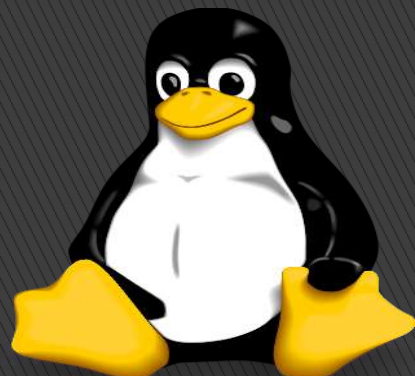
For activate new connection

```
#nmcli con up "citynet"  
#nmcli con show --active
```



For deactivate connection

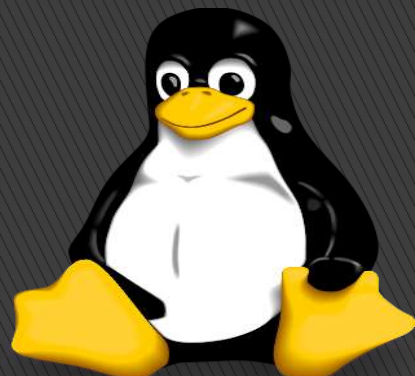
```
#nmcli con down citynet
```



For start new connection and Stop old Connection

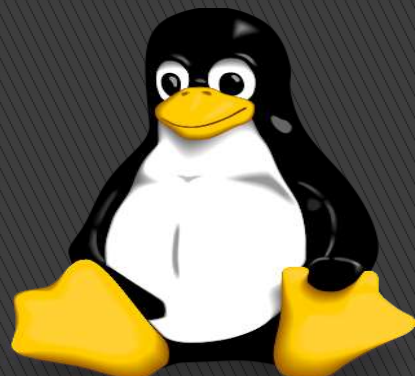
```
#nmcli connection modify "citynet" connection.autoconnect no
```

```
#nmcli connection modify "pune" connection.autoconnect yes
```



For Remove existing connection

```
#nmcli con delete citynet
```

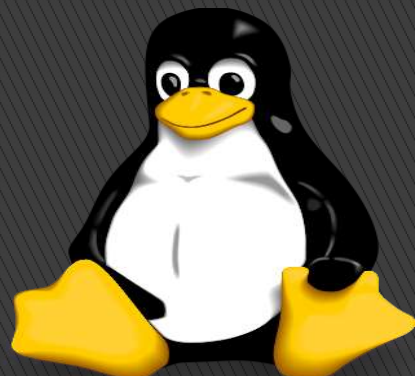


For set hostname

```
#hostnamectl set-hostname it.citynet.com
```

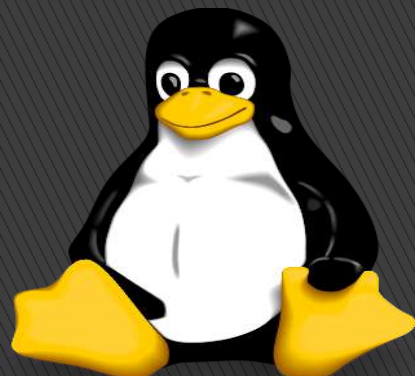
For show hostname

```
#hostname
```



Configuring Networking with nmtui

#nmtui



IP Address Configuration files

All created connections with nmcli and nmtui by default store in following file

```
#cd /etc/NetworkManager/system-connections/  
#ls
```

Note:

We can also modify connection using above connection file, but it not recommended.

If update file, restart NetworkManger service to update ip-configuration

```
#systemctl restart NetworkManager
```

