

# RockyLinux 9



\_\_\_\_\_
 \_\_\_\_\_

sudo

\_\_\_\_\_

\_\_\_\_\_
 \_\_\_\_\_

RockyLinux \_\_\_\_\_ yum \_\_\_\_ dnf
 sudo \_\_\_\_\_

```
$ sudo yum update
```

\_\_\_\_\_

We trust you have received the usual lecture from the local System Administrator. It usually boils down to these three things:

 #1) Respect the privacy of others.
 #2) Think before you type.
 #3) With great power comes great responsibility.

 [sudo] password for ossii:

\_\_\_\_\_ Root \_\_\_\_\_ yum update \_\_\_\_\_
 \_\_\_\_\_ Enter \_\_\_\_\_

y

|                           |                   |         |
|---------------------------|-------------------|---------|
| Rocky Linux 9 - BaseOS    | 2.8 MB/s   2.3 MB | 00:00   |
| Rocky Linux 9 - AppStream | 6.2 MB/s   8.4 MB | 00:01   |
| Rocky Linux 9 - Extras    | 24 kB/s   16 kB   | 00:00   |
| Dependencies resolved.    |                   |         |
| =====                     |                   |         |
| =====                     |                   |         |
| Package                   | Arch              | Version |
|                           |                   | Repo    |
|                           |                   | Size    |
| =====                     |                   |         |
| =====                     |                   |         |

Installing:

|        |                              |        |       |
|--------|------------------------------|--------|-------|
| kernel | x86_64 5.14.0-503.40.1.el9_5 | baseos | 2.0 M |
|--------|------------------------------|--------|-------|

Upgrading:

|                      |                                 |        |       |
|----------------------|---------------------------------|--------|-------|
| NetworkManager       | x86_64 1:1.48.10-8.el9_5        | baseos | 2.3 M |
| NetworkManager-libnm | x86_64 1:1.48.10-8.el9_5        | baseos | 1.8 M |
| NetworkManager-team  | x86_64 1:1.48.10-8.el9_5        | baseos | 38 k  |
| NetworkManager-tui   | x86_64 1:1.48.10-8.el9_5        | baseos | 246 k |
| bzip2-libs           | x86_64 1.0.8-10.el9_5           | baseos | 39 k  |
| cronie               | x86_64 1.5.7-12.el9_5           | baseos | 115 k |
| cronie-anacron       | x86_64 1.5.7-12.el9_5           | baseos | 31 k  |
| dracut               | x86_64 057-80.git20250411.el9_5 | baseos | 376 k |
| dracut-config-rescue | x86_64 057-80.git20250411.el9_5 | baseos | 12 k  |
| dracut-network       | x86_64 057-80.git20250411.el9_5 | baseos | 68 k  |
| dracut-squash        | x86_64 057-80.git20250411.el9_5 | baseos | 12 k  |
| e2fsprogs            | x86_64 1.46.5-6.el9_5           | baseos | 1.0 M |
| e2fsprogs-libs       | x86_64 1.46.5-6.el9_5           | baseos | 221 k |
| expat                | x86_64 2.5.0-3.el9_5.3          | baseos | 115 k |
| firewalld            | noarch 1.3.4-9.el9_5            | baseos | 452 k |
| firewalld-filesystem | noarch 1.3.4-9.el9_5            | baseos | 8.6 k |
| glibc                | x86_64 2.34-125.el9_5.8         | baseos | 1.9 M |
| glibc-common         | x86_64 2.34-125.el9_5.8         | baseos | 290 k |
| glibc-gconv-extra    | x86_64 2.34-125.el9_5.8         | baseos | 1.6 M |
| glibc-langpack-en    | x86_64 2.34-125.el9_5.8         | baseos | 546 k |
| grub2-common         | noarch 1:2.06-94.el9_5          | baseos | 903 k |
| grub2-pc             | x86_64 1:2.06-94.el9_5          | baseos | 12 k  |
| grub2-pc-modules     | noarch 1:2.06-94.el9_5          | baseos | 909 k |
| grub2-tools          | x86_64 1:2.06-94.el9_5          | baseos | 1.8 M |
| grub2-tools-minimal  | x86_64 1:2.06-94.el9_5          | baseos | 603 k |
| ima-evm-utils        | x86_64 1.5-2.el9.0.1            | baseos | 68 k  |
| ipset                | x86_64 7.11-11.el9_5            | baseos | 41 k  |
| ipset-libs           | x86_64 7.11-11.el9_5            | baseos | 68 k  |
| iptables-libs        | x86_64 1.8.10-11.el9_5          | baseos | 397 k |
| iptables-nft         | x86_64 1.8.10-11.el9_5          | baseos | 187 k |
| iputils              | x86_64 20210202-10.el9_5        | baseos | 168 k |
| iwl100-firmware      | noarch 39.31.5.1-146.5.el9_5    | baseos | 191 k |
| iwl1000-firmware     | noarch 1:39.31.5.1-146.5.el9_5  | baseos | 191 k |
| iwl105-firmware      | noarch 18.168.6.1-146.5.el9_5   | baseos | 270 k |
| iwl135-firmware      | noarch 18.168.6.1-146.5.el9_5   | baseos | 278 k |
| iwl2000-firmware     | noarch 18.168.6.1-146.5.el9_5   | baseos | 272 k |
| iwl2030-firmware     | noarch 18.168.6.1-146.5.el9_5   | baseos | 281 k |

|                            |                                      |           |       |
|----------------------------|--------------------------------------|-----------|-------|
| iwl3160-firmware           | noarch 1:25.30.13.0-146.5.el9_5      | baseos    | 548 k |
| iwl5000-firmware           | noarch 8.83.5.1_1-146.5.el9_5        | baseos    | 188 k |
| iwl5150-firmware           | noarch 8.24.2.2-146.5.el9_5          | baseos    | 188 k |
| iwl6000g2a-firmware        | noarch 18.168.6.1-146.5.el9_5        | baseos    | 256 k |
| iwl6050-firmware           | noarch 41.28.5.1-146.5.el9_5         | baseos    | 213 k |
| iwl7260-firmware           | noarch 1:25.30.13.0-146.5.el9_5      | baseos    | 61 M  |
| kernel-tools               | x86_64 5.14.0-503.40.1.el9_5         | baseos    | 2.3 M |
| kernel-tools-libs          | x86_64 5.14.0-503.40.1.el9_5         | baseos    | 2.1 M |
| libbrotli                  | x86_64 1.0.9-7.el9_5                 | baseos    | 312 k |
| libcom_err                 | x86_64 1.46.5-6.el9_5                | baseos    | 25 k  |
| libgcc                     | x86_64 11.5.0-5.el9_5                | baseos    | 84 k  |
| libgomp                    | x86_64 11.5.0-5.el9_5                | baseos    | 260 k |
| libnfnetwork               | x86_64 1.0.1-23.el9_5                | baseos    | 28 k  |
| libsemanage                | x86_64 3.6-2.1.el9_5                 | baseos    | 116 k |
| libss                      | x86_64 1.46.5-6.el9_5                | baseos    | 31 k  |
| libsss_certmap             | x86_64 2.9.5-4.el9_5.4               | baseos    | 90 k  |
| libsss_idmap               | x86_64 2.9.5-4.el9_5.4               | baseos    | 41 k  |
| libsss_nss_idmap           | x86_64 2.9.5-4.el9_5.4               | baseos    | 45 k  |
| libsss_sudo                | x86_64 2.9.5-4.el9_5.4               | baseos    | 35 k  |
| libstdc++                  | x86_64 11.5.0-5.el9_5                | baseos    | 731 k |
| libxml2                    | x86_64 2.9.13-6.el9_5.2              | baseos    | 746 k |
| linux-firmware             | noarch 20250415-146.5.el9_5          | baseos    | 475 M |
| linux-firmware-whence      | noarch 20250415-146.5.el9_5          | baseos    | 112 k |
| microcode_ctl              | noarch 4:20240910-1.20250211.1.el9_5 | baseos    | 10 M  |
| openssl                    | x86_64 1:3.2.2-6.el9_5.1             | baseos    | 1.3 M |
| openssl-libs               | x86_64 1:3.2.2-6.el9_5.1             | baseos    | 2.4 M |
| os-prober                  | x86_64 1.77-12.el9_5                 | baseos    | 43 k  |
| p11-kit                    | x86_64 0.25.3-3.el9_5                | baseos    | 510 k |
| p11-kit-trust              | x86_64 0.25.3-3.el9_5                | baseos    | 141 k |
| pam                        | x86_64 1.5.1-22.el9_5                | baseos    | 548 k |
| pciutils-libs              | x86_64 3.7.0-5.el9_5.1               | baseos    | 40 k  |
| python-unversioned-command | noarch 3.9.21-1.el9_5                | appstream | 9.1 k |
| python3                    | x86_64 3.9.21-1.el9_5                | baseos    | 26 k  |
| python3-firewall           | noarch 1.3.4-9.el9_5                 | baseos    | 355 k |
| python3-libs               | x86_64 3.9.21-1.el9_5                | baseos    | 7.5 M |
| rocky-gpg-keys             | noarch 9.5-1.3.el9                   | baseos    | 12 k  |
| rocky-release              | noarch 9.5-1.3.el9                   | baseos    | 22 k  |
| rocky-repos                | noarch 9.5-1.3.el9                   | baseos    | 12 k  |
| shadow-utils               | x86_64 2:4.9-10.el9_5                | baseos    | 1.1 M |

### Installing dependencies:

## Transaction Summary

## Upgrade 85 Packages

Is this ok [y/N]:y

Enter

...

```
$ sudo reboot -> [Progress bar] 2 [Progress bar]
Connection to 192.168.3.68 closed by remote host.
Connection to 192.168.3.68 closed.
```

```
Rocky Linux 9.5 (Blue Onyx)
Kernel: 5.14.0-503.40.1.el9_5.x86_64 on an x86_64
nextcloud login: _
```

|  |  |  |  |  |  |
|--|--|--|--|--|--|
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|--|--|--|--|--|--|

| □□ | □□□□                         | □□   |
|----|------------------------------|--|
| 1  | vim                          | □□□□ vi<br>□□□□□□□□□□□□□□<br>□□□□□□□□□□          |
| 2  | wget                         | □□□□□□□□□□□□□□<br>□□ RPM Base □□□□□□             |
| 3  | net-tools                    | □□□□□□□□□□□□□□<br>□□□□□□□□                       |
| 4  | yum-utils                    | □□□□□□□□□□□□                                     |
| 5  | unzip                        | □□□□□□   |
| 6  | network-scripts              | □□□□ systemctl restart<br>network.service □□□□□□ |
| 7  | policycoreutils-python-utils | □□□□ SELinux □□□□□□                              |

|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|

```
$ sudo yum install vim wget net-tools yum-utils unzip policycoreutils-python-utils -y
```

Root

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

passwd root

```
$ sudo passwd root
root

```

```
passwd
```

```
$ passwd
kevin
Current password:

```

## SELinux

SELinux Linux

```
vim /etc/selinux/config
```


```
SELinux=enforcing enforcing disabled permissive
```

```
$ getenforce
Disabled
```

- 

```
$ sudo systemctl disable firewalld
$ sudo systemctl stop firewalld
```

-

SSH 

```
$ sudo firewall-cmd --zone=public --list-all
```

```
public (active)
```

```
target: default
```

```
icmp-block-inversion: no
```

```
interfaces: ens18
```

```
sources:
```

```
services: cockpit dhcpv6-client ssh
```

```
ports:
```

```
protocols:
```

```
forward: yes
```

```
masquerade: no
```

```
forward-ports:
```

```
source-ports:
```

```
icmp-blocks:
```

```
rich rules:
```

(http  https) 

```
$ sudo firewall-cmd --zone=public --permanent --add-service=http
```

```
$ sudo firewall-cmd --zone=public --permanent --add-service=https
```

```
$ sudo systemctl restart firewalld
```



```
$ sudo firewall-cmd --zone=public --list-all
```

```
public (active)
```

```
target: default
```

```
icmp-block-inversion: no
```

```
interfaces: ens18
```

```
sources:
```

```
services: cockpit dhcpv6-client http https ssh
```

```
ports:
```

```
protocols:
```

```
forward: yes
```

```
masquerade: no
```

```
forward-ports:
```

```
source-ports:
```

```
icmp-blocks:
```

rich rules:

☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐      http ☐    https ☐ ☐ ☐ ☐

IP

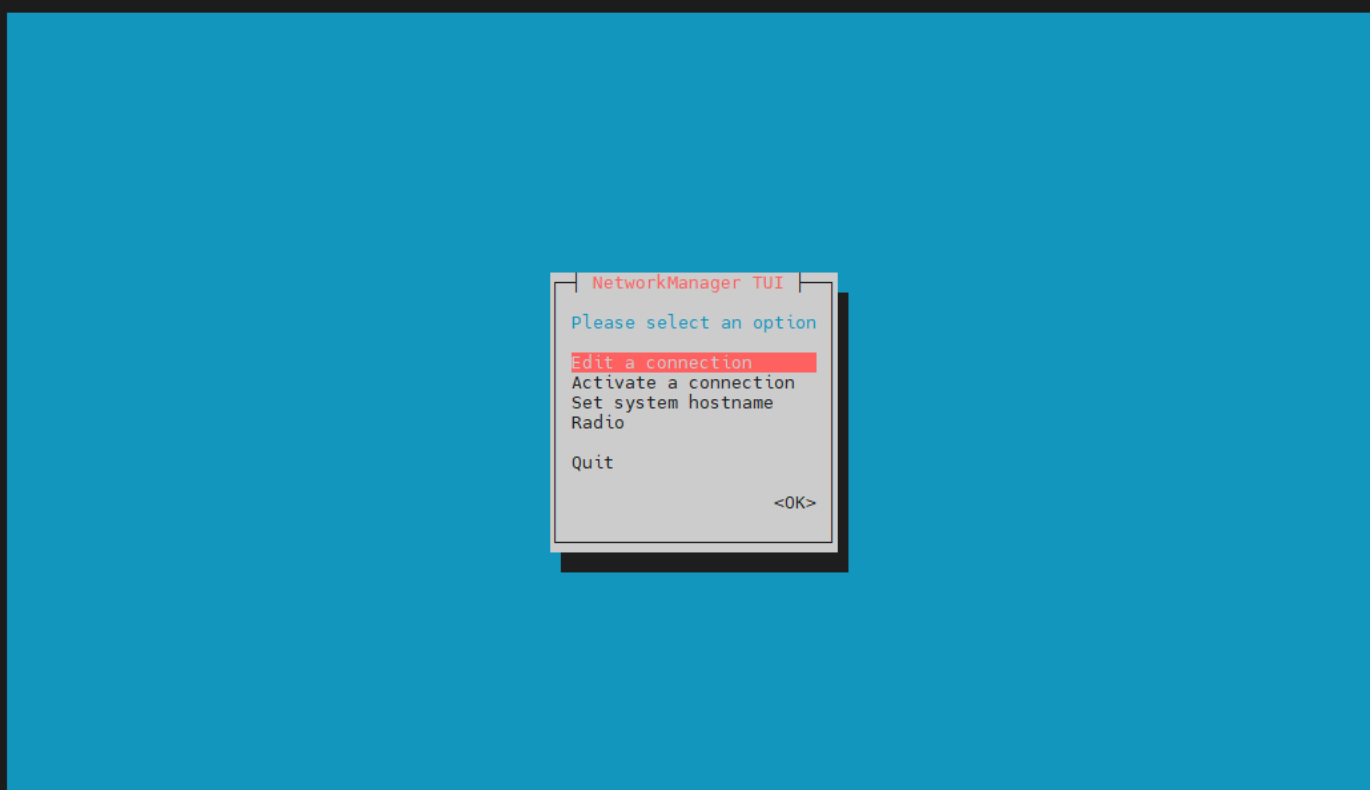
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
     IP ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
     ifconfig ☐ ☐

```
$ ifconfig

ens18: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.3.68 netmask 255.255.255.0 broadcast 192.168.3.255
    inet6 fe80::be24:11ff:fe47:908e prefixlen 64 scopeid 0x20<link>
    ether bc:24:11:47:90:8e txqueuelen 1000 (Ethernet)
    RX packets 14386 bytes 15570839 (14.8 MiB)
    RX errors 0 dropped 1 overruns 0 frame 0
    TX packets 3647 bytes 280008 (273.4 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

 nmtui  RockyLinux 9 

```
$ sudo nmtui
```



ens18



```

Edit Connection
Profile name ens18
Device ens18 (BC:24:11:47:90:8E)

= ETHERNET <Show>
= 802.1X SECURITY <Show>

+ IPv4 CONFIGURATION <Manual> <Hide>
  Addresses 192.168.3.69/24 <Remove>
             <Add...>
  Gateway 192.168.3.1
  DNS servers 8.8.8.8 <Remove>
             <Add...>
  Search domains <Add...>

  Routing (No custom routes) <Edit...>
  [ ] Never use this network for default route
  [ ] Ignore automatically obtained routes
  [ ] Ignore automatically obtained DNS parameters
  [ ] Require IPv4 addressing for this connection

= IPV6 CONFIGURATION <Automatic> <Show>

[X] Automatically connect
[X] Available to all users

<Cancel> <OK>

```



```
[connection]
id=ens18
uuid=34e9d7c6-2b66-39e0-884b-873b9afe0b0d
type=ethernet
autoconnect-priority=-999
interface-name=ens18
timestamp=1747035985
```

```
[ethernet]
```

```
[ipv4]
address1=192.168.3.69/24,192.168.3.1
dns=8.8.8.8;
method=manual
```

```
[ipv6]
addr-gen-mode=eui64
method=auto
```

```
[proxy]
```

2

- address1 ( 69 )
- dns ( )

IP

CentOS 8 / Rock Linux 8 chrony

date

```
$ date
```

```
  5  30 23:51:10 NDT 2022
```

timedatectl Asia/Taipei

```
$ sudo timedatectl set-timezone Asia/Taipei
```

```
[ossii@nextcloud ~]$ date
```

```
Wed May 14 11:05:08 CST 2025
```



```
$ sudo timedatectl list-timezones
Africa/Abidjan
Africa/Accra
Africa/Addis_Ababa
Africa/Algiers
Africa/Asmara
Africa/Asmera
Africa/Bamako
Africa/Bangui
...
...
```

