

## 1. yum install firefox

```
[root@localhost jaysimman]# yum install firefox
Last metadata expiration check: 1:13:29 ago on Sunday 27 October 2024 03:08:35 PM.
Package firefox-128.3.1-2.el9.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@localhost jaysimman]#
```

## 2. dnf install mysql

```
[root@localhost jaysimman]# dnf install mysql
Last metadata expiration check: 1:14:48 ago on Sunday 27 October 2024 03:08:35 PM.
Dependencies resolved.
=====
Package                                Architecture      Version           Repository        Size
=====
Installing:
mysql                                  x86_64            8.0.36-1.el9      appstream         2.8 M
Installing dependencies:
mariadb-connector-c-config            noarch            3.2.6-1.el9      appstream         11 k
mysql-common                          x86_64            8.0.36-1.el9      appstream         74 k
=====
Transaction Summary
=====
Install 3 Packages

Total download size: 2.9 M
Installed size: 60 M
Is this ok [y/N]: y
Downloading Packages:
(1/3): mariadb-connector-c-config-3.2.6-1.el9.noarch.rpm          34 kB/s | 11 kB    00:00
(2/3): mysql-common-8.0.36-1.el9.x86_64.rpm                     171 kB/s | 74 kB   00:00
(3/3): mysql-8.0.36-1.el9.x86_64.rpm                             790 kB/s | 2.8 MB  00:03
-----
Total                                                                    534 kB/s | 2.9 MB  00:05
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      : 1/1
  Installing     : mariadb-connector-c-config-3.2.6-1.el9.noarch 1/3
  Installing     : mysql-common-8.0.36-1.el9.x86_64             2/3
  Installing     : mysql-8.0.36-1.el9.x86_64                    3/3
  Running scriptlet: mysql-8.0.36-1.el9.x86_64                  3/3
```

## 3. yum remove firefox

```
[root@localhost ~]# yum remove firefox
Dependencies resolved.
=====
Package                                Architecture      Version           Repository        Size
=====
Removing:
Firefox                                x86_64            128.3.1-2.el9     @appstream        311 M
Removing unused dependencies:
centos-indexhtml                      noarch            9.3-1.el9         @AppStream        5.4 M
=====
Transaction Summary
=====
Remove 2 Packages

Freed space: 317 M
Is this ok [y/N]: y
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      : 1/1
  Running scriptlet: firefox-128.3.1-2.el9.x86_64              1/2
  Erasing        : firefox-128.3.1-2.el9.x86_64               1/2
  Running scriptlet: firefox-128.3.1-2.el9.x86_64              1/2
  Erasing        : centos-indexhtml-9.3-1.el9.noarch           2/2
  Running scriptlet: centos-indexhtml-9.3-1.el9.noarch           2/2
  Verifying      : centos-indexhtml-9.3-1.el9.noarch           1/2
  Verifying      : firefox-128.3.1-2.el9.x86_64                2/2
Removed:
centos-indexhtml-9.3-1.el9.noarch      firefox-128.3.1-2.el9.x86_64

Complete!
[root@localhost ~]#
```

## 4. dnf remove mysql

```
[root@localhost ~]# dnf remove mysql
Dependencies resolved.
=====
Package                                Architecture      Version           Repository        Size
=====
Removing:
mysql                                  x86_64            8.0.36-1.el9      @appstream        60 M
Removing unused dependencies:
mariadb-connector-c-config            noarch            3.2.6-1.el9       @appstream         497
mysql-common                           x86_64            8.0.36-1.el9       @appstream        462 k
=====
Transaction Summary
=====
Remove 3 Packages

Freed space: 60 M
Is this ok [y/N]: y
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      :                                1/1
  Erasing       : mysql-8.0.36-1.el9.x86_64      1/3
  Erasing       : mysql-common-8.0.36-1.el9.x86_64 2/3
  Erasing       : mariadb-connector-c-config-3.2.6-1.el9.noarch 3/3
  Running scriptlet: mariadb-connector-c-config-3.2.6-1.el9.noarch 3/3
  Verifying     : mariadb-connector-c-config-3.2.6-1.el9.noarch 1/3
  Verifying     : mysql-8.0.36-1.el9.x86_64      2/3
  Verifying     : mysql-common-8.0.36-1.el9.x86_64 3/3

Removed:
mariadb-connector-c-config-3.2.6-1.el9.noarch      mysql-8.0.36-1.el9.x86_64      mysql-common-8.0.36-1.el9.x86_64

Complete!
```

## 5. dnf install mysql nginx

```
[root@localhost ~]# dnf install mysql nginx
Last metadata expiration check: 3:15:08 ago on Sunday 27 October 2024 03:08:35 PM.
Dependencies resolved.
=====
Package                                Architecture      Version           Repository        Size
=====
Installing:
mysql                                  x86_64            8.0.36-1.el9      appstream        2.8 M
nginx                                  x86_64            2:1.20.1-20.el9   appstream         36 k
Installing dependencies:
mariadb-connector-c-config            noarch            3.2.6-1.el9       appstream         11 k
mysql-common                           x86_64            8.0.36-1.el9       appstream         74 k
nginx-core                             x86_64            2:1.20.1-20.el9   appstream        570 k
nginx-filesystem                       noarch            2:1.20.1-20.el9   appstream         9.2 k
=====
Transaction Summary
=====
Install 6 Packages

Total download size: 3.5 M
Installed size: 62 M
Is this ok [y/N]: y
Downloading Packages:
(1/6): mariadb-connector-c-config-3.2.6-1.el9.noarch.rpm      58 kB/s | 11 kB  00:00
(2/6): mysql-common-8.0.36-1.el9.x86_64.rpm                 351 kB/s | 74 kB  00:00
(3/6): nginx-1.20.1-20.el9.x86_64.rpm                       352 kB/s | 36 kB  00:00
(4/6): nginx-filesystem-1.20.1-20.el9.noarch.rpm             102 kB/s | 9.2 kB  00:00
(5/6): nginx-core-1.20.1-20.el9.x86_64.rpm                  973 kB/s | 570 kB  00:00
(6/6): mysql-8.0.36-1.el9.x86_64.rpm                         2.3 MB/s | 2.8 MB  00:01
-----
Total                               1.8 MB/s | 3.5 MB  00:01
Running transaction check
```

## 6. yum install openssh

```
[root@localhost ~]# yum install openssh
Last metadata expiration check: 3:16:01 ago on Sunday 27 October 2024 03:08:35 PM.
Package openssh-8.7p1-43.el9.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@localhost ~]# █
```

## 7. yum /dnf update openssh

```

Error: No packages marked for upgrade.
[root@localhost ~]# dnf update openssh
Last metadata expiration check: 3:16:40 ago on Sunday 27 October 2024 03:08:35 PM.
Dependencies resolved.
Nothing to do.
Complete!
[root@localhost ~]#

```

8. yum list openssh – list the package (check with rpm -qa openssh)

```

[root@localhost ~]# yum list openssh
Last metadata expiration check: 3:17:07 ago on Sunday 27 October 2024 03:08:35 PM.
Installed Packages
openssh.x86_64                                8.7p1-43.el9                                @anaconda

```

9. dnf list openssh

```

[root@localhost ~]# dnf list openssh
Last metadata expiration check: 3:20:27 ago on Sunday 27 October 2024 03:08:35 PM.
Installed Packages
openssh.x86_64                                8.7p1-43.el9                                @anaconda

```

10. yum search ftp – search for a package

```

[root@localhost ~]# yum search vsftpd
Last metadata expiration check: 3:26:21 ago on Sunday 27 October 2024 03:08:35 PM.
===== Name Exactly Matched: vsftpd =====
vsftpd.x86_64 : Very Secure Ftp Daemon

```

11. yum search Apache Server

```

[root@localhost ~]# yum search apache
Last metadata expiration check: 3:27:24 ago on Sunday 27 October 2024 03:08:35 PM.
===== Name & Summary Matched: apache =====
ant-apache-bcel.noarch : Optional apache bcel tasks for ant
ant-apache-bsf.noarch : Optional apache bsf tasks for ant
ant-apache-oro.noarch : Optional apache oro tasks for ant
ant-apache-regexp.noarch : Optional apache regexp tasks for ant
ant-apache-resolver.noarch : Optional apache resolver tasks for ant
ant-apache-xalan2.noarch : Optional apache xalan2 tasks for ant
apache-commons-logging.noarch : Apache Commons Logging
pcp-pmda-apache.x86_64 : Performance Co-Pilot (PCP) metrics for the Apache webserver
===== Name Matched: apache =====
apache-commons-cli.noarch : Command Line Interface Library for Java
apache-commons-codec.noarch : Implementations of common encoders and decoders
apache-commons-io.noarch : Utilities to assist with developing IO functionality
apache-commons-lang3.noarch : Provides a host of helper utilities for the java.lang API
apache-commons-net.noarch : Internet protocol suite Java library
===== Summary Matched: apache =====
apr.x86_64 : Apache Portable Runtime library
apr.i686 : Apache Portable Runtime library
apr-util.x86_64 : Apache Portable Runtime Utility library
apr-util.i686 : Apache Portable Runtime Utility library
httpd.x86_64 : Apache HTTP Server
httpd-devel.x86_64 : Development interfaces for the Apache HTTP Server
httpd-filesystem.noarch : The basic directory layout for the Apache HTTP Server
httpd-manual.noarch : Documentation for the Apache HTTP Server
httpd-tools.x86_64 : Tools for use with the Apache HTTP Server
idm-tomcatjss.noarch : JSS Connector for Apache Tomcat
keycloak-httpd-client-install.noarch : Tools to configure Apache HTTPD as Keycloak client

```

12. yum info vsftpd ( rpm -qi vsftpd)

```
[root@localhost ~]# yum info vsftpd
Last metadata expiration check: 3:28:12 ago on Sunday 27 October 2024 03:08:35 PM.
Available Packages
Name       : vsftpd
Version    : 3.0.5
Release    : 6.el9
Architecture : x86_64
Size       : 168 k
Source     : vsftpd-3.0.5-6.el9.src.rpm
Repository : appstream
Summary    : Very Secure Ftp Daemon
URL        : https://security.appspot.com/vsftpd.html
License    : GPLv2 with exceptions
Description : vsftpd is a Very Secure FTP daemon. It was written completely from
              : scratch.
```

### 13. List packages

a. `yum list | less` (lists all available packages)

```
Last metadata expiration check: 3:29:05 ago on Sunday 27 October 2024 03:08:35 PM.
Installed Packages
ModemManager.x86_64                               1.20.2-1.el9 @anaconda
ModemManager-glib.x86_64                          1.20.2-1.el9 @anaconda
NetworkManager.x86_64                             1:1.51.2-2.el9 @baseos
NetworkManager-adsl.x86_64                        1:1.51.2-2.el9 @baseos
NetworkManager-bluetooth.x86_64                  1:1.51.2-2.el9 @baseos
NetworkManager-config-server.noarch               1:1.51.2-2.el9 @baseos
NetworkManager-libnm.x86_64                       1:1.51.2-2.el9 @baseos
NetworkManager-team.x86_64                        1:1.51.2-2.el9 @baseos
NetworkManager-tui.x86_64                         1:1.51.2-2.el9 @baseos
NetworkManager-wifi.x86_64                        1:1.51.2-2.el9 @baseos
NetworkManager-wwan.x86_64                        1:1.51.2-2.el9 @baseos
PackageKit.x86_64                                 1.2.6-1.el9 @AppStream
PackageKit-command-not-found.x86_64               1.2.6-1.el9 @AppStream
PackageKit-glib.x86_64                            1.2.6-1.el9 @AppStream
PackageKit-gstreamer-plugin.x86_64                1.2.6-1.el9 @AppStream
PackageKit-gtk3-module.x86_64                     1.2.6-1.el9 @AppStream
aardvark-dns.x86_64                               2:1.12.1-1.el9 @AppStream
abattis-cantarell-fonts.noarch                     0.301-4.el9 @AppStream
accountsservice.x86_64                            0.6.55-10.el9 @AppStream
accountsservice-libs.x86_64                       0.6.55-10.el9 @AppStream
acl.x86_64                                         2.3.1-4.el9 @anaconda
adcli.x86_64                                       0.9.2-1.el9 @anaconda
adobe-mappings-cmap.noarch                         20171205-12.el9 @AppStream
adobe-mappings-cmap-deprecated.noarch              20171205-12.el9 @AppStream
adobe-mappings-pdf.noarch                         20180407-10.el9 @AppStream
adobe-source-code-pro-fonts.noarch                 2.030.1.050-12.el9.1 @anaconda
:
```

b. `yum list installed | less` (list all installed packages using yum)



```

Installed Packages
ModemManager.x86_64                    1.20.2-1.el9           @anaconda
ModemManager-glib.x86_64               1.20.2-1.el9           @anaconda
NetworkManager.x86_64                 1:1.51.2-2.el9         @baseos
NetworkManager-adsl.x86_64             1:1.51.2-2.el9         @baseos
NetworkManager-bluetooth.x86_64       1:1.51.2-2.el9         @baseos
NetworkManager-config-server.noarch    1:1.51.2-2.el9         @baseos
NetworkManager-libnm.x86_64            1:1.51.2-2.el9         @baseos
NetworkManager-team.x86_64             1:1.51.2-2.el9         @baseos
NetworkManager-tui.x86_64              1:1.51.2-2.el9         @baseos
NetworkManager-wifi.x86_64             1:1.51.2-2.el9         @baseos
NetworkManager-wwan.x86_64            1:1.51.2-2.el9         @baseos
PackageKit.x86_64                     1.2.6-1.el9            @AppStream
PackageKit-command-not-found.x86_64    1.2.6-1.el9            @AppStream
PackageKit-glib.x86_64                 1.2.6-1.el9            @AppStream
PackageKit-gstreamer-plugin.x86_64     1.2.6-1.el9            @AppStream
PackageKit-gtk3-module.x86_64          1.2.6-1.el9            @AppStream
aardvark-dns.x86_64                   2:1.12.1-1.el9         @AppStream
abattis-cantarell-fonts.noarch         0.301-4.el9            @AppStream
accountsservice.x86_64                 0.6.55-10.el9          @AppStream
accountsservice-libs.x86_64            0.6.55-10.el9          @AppStream
acl.x86_64                             2.3.1-4.el9            @anaconda
adcli.x86_64                           0.9.2-1.el9            @anaconda
adobe-mappings-cmap.noarch              20171205-12.el9        @AppStream
adobe-mappings-cmap-deprecated.noarch   20171205-12.el9        @AppStream
adobe-mappings-pdf.noarch               20180407-10.el9        @AppStream
adobe-source-code-pro-fonts.noarch      2.030.1.050-12.el9.1   @anaconda
adwaita-cursor-theme.noarch             40.1.1-3.el9           @AppStream
:

```

#### 14.yum check-update (checks for available updates)

```

[root@localhost ~]# yum check-update
Last metadata expiration check: 3:30:50 ago on Sunday 27 October 2024 03:08:35 PM.

bpftool.x86_64                    7.4.0-522.el9           baseos
clevis.x86_64                    21-203.el9              appstream
clevis-luks.x86_64                21-203.el9              appstream
device-mapper.x86_64             9:1.02.201-1.el9        baseos
device-mapper-event.x86_64       9:1.02.201-1.el9        baseos
device-mapper-event-libs.x86_64  9:1.02.201-1.el9        baseos
device-mapper-libs.x86_64        9:1.02.201-1.el9        baseos
dnf-plugins-core.noarch          4.3.0-17.el9            baseos
ethtool.x86_64                   2:6.11-1.el9            baseos
grub2-common.noarch              1:2.06-93.el9           baseos
grub2-pc.x86_64                  1:2.06-93.el9           baseos
grub2-pc-modules.noarch          1:2.06-93.el9           baseos
grub2-tools.x86_64               1:2.06-93.el9           baseos
grub2-tools-minimal.x86_64       1:2.06-93.el9           baseos
kernel.x86_64                    5.14.0-522.el9          baseos
kernel-core.x86_64               5.14.0-522.el9          baseos
kernel-modules.x86_64            5.14.0-522.el9          baseos
kernel-modules-core.x86_64       5.14.0-522.el9          baseos
kernel-tools.x86_64              5.14.0-522.el9          baseos
kernel-tools-libs.x86_64         5.14.0-522.el9          baseos
kmod-kvdo.x86_64                 8.2.4.15-143.el9        baseos
lvm2.x86_64                      9:2.03.27-1.el9         baseos

```

#### 15. yum update ( updates the system)

```

[root@localhost ~]# yum update
Last metadata expiration check: 3:31:44 ago on Sunday 27 October 2024 03:08:35 PM.
Dependencies resolved.
=====
Package                                Architecture    Version           Repository        Size
=====
Installing:
kernel                                x86_64          5.14.0-522.el9    baseos            417 k
Upgrading:
bpftool                              x86_64          7.4.0-522.el9     baseos            1.2 M
clevis                                x86_64          21-203.el9        appstream         56 k
clevis-luks                           x86_64          21-203.el9        appstream         35 k
device-mapper                         x86_64          9:1.02.201-1.el9  baseos           139 k
device-mapper-event                  x86_64          9:1.02.201-1.el9  baseos            35 k
device-mapper-event-libs              x86_64          9:1.02.201-1.el9  baseos            32 k
device-mapper-libs                   x86_64          9:1.02.201-1.el9  baseos           179 k
dnf-plugins-core                     noarch          4.3.0-17.el9      baseos            37 k
ethtool                              x86_64          2:6.11-1.el9      baseos           249 k
grub2-common                         noarch          1:2.06-93.el9     baseos           913 k
grub2-pc                             x86_64          1:2.06-93.el9     baseos            14 k
grub2-pc-modules                     noarch          1:2.06-93.el9     baseos           974 k
grub2-tools                          x86_64          1:2.06-93.el9     baseos           1.8 M
grub2-tools-minimal                  x86_64          1:2.06-93.el9     baseos           606 k
kernel-tools                         x86_64          5.14.0-522.el9    baseos           695 k
kernel-tools-libs                    x86_64          5.14.0-522.el9    baseos           433 k

```

## 16. yum repolist (list enabled yum repo)

```
[root@localhost ~]# yum repolist
repo id                                repo name
appstream                              CentOS Stream 9 - AppStream
baseos                                 CentOS Stream 9 - BaseOS
extras-common                          CentOS Stream 9 - Extras packages
```

## 17. yum repolist all (list all enabled and disabled repos)

```
[root@localhost ~]# yum repolist all
repo id                                repo name                                status
appstream                              CentOS Stream 9 - AppStream              enabled
appstream-debuginfo                    CentOS Stream 9 - AppStream - Debug      disabled
appstream-source                       CentOS Stream 9 - AppStream - Source     disabled
baseos                                  CentOS Stream 9 - BaseOS                 enabled
baseos-debuginfo                       CentOS Stream 9 - BaseOS - Debug         disabled
baseos-source                          CentOS Stream 9 - BaseOS - Source        disabled
crb                                     CentOS Stream 9 - CRB                    disabled
crb-debuginfo                          CentOS Stream 9 - CRB - Debug             disabled
crb-source                             CentOS Stream 9 - CRB - Source            disabled
extras-common                          CentOS Stream 9 - Extras packages         enabled
extras-common-source                   CentOS Stream 9 - Extras packages - Source disabled
highavailability                       CentOS Stream 9 - HighAvailability        disabled
highavailability-debuginfo              CentOS Stream 9 - HighAvailability - Debug disabled
highavailability-source                 CentOS Stream 9 - HighAvailability - Source disabled
nfv                                     CentOS Stream 9 - NFV                    disabled
nfv-debuginfo                          CentOS Stream 9 - NFV - Debug             disabled
nfv-source                             CentOS Stream 9 - NFV - Source            disabled
resilientstorage                       CentOS Stream 9 - ResilientStorage        disabled
resilientstorage-debuginfo              CentOS Stream 9 - ResilientStorage - Debug disabled
resilientstorage-source                 CentOS Stream 9 - ResilientStorage - Source disabled
rt                                       CentOS Stream 9 - RT                     disabled
rt-debuginfo                           CentOS Stream 9 - RT - Debug              disabled
rt-source                              CentOS Stream 9 - RT - Source             disabled
```

## 18. yum clean all (clear the yum cache)

```
[root@localhost ~]# yum clean all
21 files removed
[root@localhost ~]#
```

## 19. yum history (list all the tasks done with yum)

```
[root@localhost ~]# yum history
ID      | Command line                                | Date and time | Action(s) | Altered
-----|-----|-----|-----|-----
11      | update                                     | 2024-10-27 18:41 | I, U      | 29
10      | install mysql nginx                       | 2024-10-27 18:23 | Install   | 6
9       | remove mysql                             | 2024-10-27 18:16 | Removed   | 3
8       | remove firefox                           | 2024-10-27 18:15 | Removed   | 2
7       | install mysql                             | 2024-10-27 16:23 | Install   | 3 <
6       | install createrepo_c-0.20.1-2.el9.x86_64.rpm | 2024-10-22 11:38 | Install   | 2 >
5       |                                             | 2024-10-21 23:29 | I, U      | 70
4       | reinstall httpd                           | 2024-10-21 12:23 | R         | 2
3       | install httpd                             | 2024-10-21 12:12 | Install   | 4 <
2       |                                             | 2024-10-21 11:32 | Install   | 7 >
1       |                                             | 2024-10-20 23:36 | Install   | 1189 EE
```

## 20. yum history undo taskid (rollback task) – yum history undo 19

```
[root@localhost ~]# yum history undo 8
Last metadata expiration check: 0:01:43 ago on Sunday 27 October 2024 06:52:29 PM.
Dependencies resolved.
=====
Package                        Architecture      Version           Repository        Size
=====
Installing:
  firefox                      x86_64            128.3.1-2.el9     appstream          123 M
Installing dependencies:
  centos-indexhtml             noarch            9.3-1.el9          appstream          4.5 M
Transaction Summary
=====
Install 2 Packages

Total download size: 127 M
Installed size: 317 M
Is this ok [y/N]: y
Downloading Packages:
(1/2): centos-indexhtml-9.3-1.el9.noarch.rpm           1.8 MB/s | 4.5 MB | 00:02
(2/2): firefox-128.3.1-2.el9.x86_64.rpm              ] 244 kB/s | 11 MB | 08:05 ETA
=====
```

21.yum redo taskid (redo the task) – yum redo 17

```
[root@localhost ~]# yum redo 8
No such command: redo. Please use /bin/yum --help
It could be a YUM plugin command, try: "yum install 'dnf-command(redo)'"
[root@localhost ~]# yum history redo 8
Last metadata expiration check: 0:05:46 ago on Sunday 27 October 2024 06:52:29 PM.
Dependencies resolved.
=====
Package                        Architecture      Version           Repository        Size
=====
Removing:
  firefox                      x86_64            128.3.1-2.el9     @appstream        311 M
Removing unused dependencies:
  centos-indexhtml             noarch            9.3-1.el9          @appstream        5.4 M
Transaction Summary
=====
Remove 2 Packages

Freed space: 317 M
Is this ok [y/N]: y
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
```

22.search a package containing the file – same as (rpm -qf path/of/file)

a. yum provides /usr/bin/getfacl

```
[root@localhost ~]# yum provides /usr/bin/getfacl
Last metadata expiration check: 0:08:02 ago on Sunday 27 October 2024 06:52:29 PM.
acl-2.3.1-3.el9.x86_64 : Access control list utilities
Repo                  : baseos
Matched from:
Filename              : /usr/bin/getfacl

acl-2.3.1-4.el9.x86_64 : Access control list utilities
Repo                  : @System
Matched from:
Filename              : /usr/bin/getfacl

acl-2.3.1-4.el9.x86_64 : Access control list utilities
Repo                  : baseos
Matched from:
Filename              : /usr/bin/getfacl
```

b. yum provides /etc/vsftpd

```
[root@localhost ~]# yum provides /etc/vsftpd
Last metadata expiration check: 0:09:13 ago on Sunday 27 October 2024 06:52:29 PM.
vsftpd-3.0.3-49.el9.x86_64 : Very Secure Ftp Daemon
Repo      : appstream
Matched from:
Filename   : /etc/vsftpd

vsftpd-3.0.5-2.el9.x86_64 : Very Secure Ftp Daemon
Repo      : appstream
Matched from:
Filename   : /etc/vsftpd

vsftpd-3.0.5-4.el9.x86_64 : Very Secure Ftp Daemon
Repo      : appstream
Matched from:
Filename   : /etc/vsftpd

vsftpd-3.0.5-5.el9.x86_64 : Very Secure Ftp Daemon
Repo      : appstream
Matched from:
Filename   : /etc/vsftpd

vsftpd-3.0.5-6.el9.x86_64 : Very Secure Ftp Daemon
Repo      : appstream
Matched from:
Filename   : /etc/vsftpd
```

c. yum provides /usr/bin/ping

```
[root@localhost ~]# yum provides /usr/bin/

[root@localhost ~]# yum provides /usr/bin/ping
Last metadata expiration check: 0:09:43 ago on Sunday 27 October 2024 06:52:29 PM.
iputils-20210202-7.el9.x86_64 : Network monitoring tools including ping
Repo      : baseos
Matched from:
Filename   : /usr/bin/ping

iputils-20210202-8.el9.x86_64 : Network monitoring tools including ping
Repo      : baseos
Matched from:
Filename   : /usr/bin/ping

iputils-20210202-9.el9.x86_64 : Network monitoring tools including ping
Repo      : baseos
Matched from:
Filename   : /usr/bin/ping

iputils-20210202-10.el9.x86_64 : Network monitoring tools including ping
Repo      : baseos
Matched from:
Filename   : /usr/bin/ping

iputils-20210202-11.el9.x86_64 : Network monitoring tools including ping
Repo      : @System
Matched from:
Filename   : /usr/bin/ping
```