

Using yum

1. Install the google chrome package using dnf [two methods] .

First method :

```
[ahmed@server ~]$ wget https://dl.google.com/linux/direct/google-chrome-stable_current_x86_64.rpm
--2024-11-20 14:48:17-- https://dl.google.com/linux/direct/google-chrome-stable_current_x86_64.rpm
Resolving dl.google.com (dl.google.com)... 142.251.143.206, 2a00:1450:402a:80f::200e
Connecting to dl.google.com (dl.google.com)|142.251.143.206|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 114498765 (109M) [application/x-rpm]
Saving to: 'google-chrome-stable_current_x86_64.rpm'

google-chrome-stable_current_x 100%[=====

2024-11-20 14:50:42 (779 KB/s) - 'google-chrome-stable_current_x86_64.rpm' saved [114498765]

[ahmed@server ~]$ sudo dnf install ./google-chrome-stable_current_x86_64.rpm
[sudo] password for ahmed:
Updating Subscription Management repositories.
```

second method:

```
[ahmed@server ~]$ sudo nano /etc/yum.repos.d/google-chrome.repo
[ahmed@server ~]$ █

GNU nano 5.6.1 /etc/yum.repos.d/google-chrome.repo
[google-chrome]
name=google-chrome
baseurl=https://dl.google.com/linux/chrome/rpm/stable/x86_64
enabled=1
gpgcheck=1
gpgkey=https://dl.google.com/linux/linux_signing_key.pub

Complete.
[ahmed@server ~]$ sudo dnf install google-chrome-stable
Updating Subscription Management repositories.
Warning: failed loading '/etc/yum.repos.d/CentOS-Base.repo', skipping.
Warning: failed loading '/etc/yum.repos.d/mirrorlist.repo', skipping.
Last metadata expiration check: 0:00:22 ago on Wed 20 Nov 2024 02:57:15 PM EST.
Package google-chrome-stable-131.0.6778.85-1.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[ahmed@server ~]$ █
```

2. Create the file `/etc/yum.repos.d/cdrom.repo` to enable install from the iso of Red Hat

```
[root@server ~]# mount /run/media/ahmed/RHEL-9-4-0-BaseOS-x86_64/ /mnt/  
mount: /mnt: /run/media/ahmed/RHEL-9-4-0-BaseOS-x86_64 is not a block device
```

```
[root@server ~]# touch /etc/yum.repos.d/cdrom.repo  
[root@server ~]# file /etc/yum.repos.d/cdrom.repo  
/etc/yum.repos.d/cdrom.repo: empty  
[root@server ~]# nano /etc/yum.repos.d/cdrom.repo  
[root@server ~]#
```

```
GNU nano 5.6.1  
[cdrom]  
name=Red Hat ISO  
baseurl=file:///mnt  
enabled=1  
gpgcheck=0
```

3. Try to install any package from the new repository Using rpm

```
[root@server ~]# sudo dnf install httpd  
Updating Subscription Management repositories.  
Warning: failed loading '/etc/yum.repos.d/CentOS-Base.repo', skipping.  
Warning: failed loading '/etc/yum.repos.d/mirrorlist.repo', skipping.  
Red Hat ISO 0.0 B/s | 0 B 00:00  
Errors during downloading metadata for repository 'cdrom':  
- Curl error (37): Couldn't read a file:// file for file:///mnt/repodata/repomd.xml [Couldn't open file /mnt/repodata/repomd.xml]  
Error: Failed to download metadata for repo 'cdrom': Cannot download repomd.xml: Cannot download repodata/repomd.xml: All mirrors were tried  
[root@server ~]#
```

1. List all installed packages in your system.

```
[root@server ~]# rpm -qa
fonts-filesystem-2.0.5-7.el9.1.noarch
xkeyboard-config-2.33-2.el9.noarch
liberation-fonts-common-2.1.3-5.el9.noarch
abattis-cantarell-fonts-0.301-4.el9.noarch
yelp-xsl-40.2-1.el9.noarch
mozilla-filesystem-1.9-30.el9.x86_64
google-noto-fonts-common-20201206-4.el9.noarch
google-noto-cjk-fonts-common-20230817-2.el9.noarch
foomatic-db-filesystem-4.0-72.20210209.el9.noarch
adobe-mappings-cmap-20171205-12.el9.noarch
subscription-manager-rhsm-certificates-20220623-1.el9.noarch
libreport-filesystem-2.15.2-6.el9.noarch
adobe-mappings-cmap-deprecated-20171205-12.el9.noarch
liberation-mono-fonts-2.1.3-5.el9.noarch
adobe-source-code-pro-fonts-2.030.1.050-12.el9.1.noarch
dejavu-sans-mono-fonts-2.37-18.el9.noarch
dejavu-sans-fonts-2.37-18.el9.noarch
langpacks-core-font-en-3.0-16.el9.noarch
google-droid-sans-fonts-20200215-11.el9.2.noarch
thai-scalable-fonts-common-0.7.2-5.el9.noarch
tracer-common-1.1-2.el9.noarch
redhat-indexhtml-9-4.el9_2.noarch
poppler-data-0.4.9-9.el9.noarch
mobile-broadband-provider-info-20210805-2.el9.noarch
man-pages-overrides-9.0.0.0-1.el9.noarch
libX11-common-1.7.0-9.el9.noarch
hunspell-filesystem-1.7.0-11.el9.x86_64
```

EXTENDED VERSION: Please report bugs to bugzilla@redhat.com or <https://bugzilla.redhat.com/bugzilla>

2. View the files in the httpd package

```
[alex3@172-232-207-210 ~]$ rpm -ql httpd
/etc/httpd/conf.modules.d/00-brotli.conf
/etc/httpd/conf.modules.d/00-systemd.conf
/usr/lib/.build-id
/usr/lib/.build-id/a5
/usr/lib/.build-id/a5/6fe2e7bb8101aec81fe396686e787da92a4ac2
/usr/lib/.build-id/bb
/usr/lib/.build-id/bb/67759650dda02f4864837efe1a471381e7c113
/usr/lib/systemd/system/htcacheclean.service
/usr/lib/systemd/system/httpd.service
/usr/lib/systemd/system/httpd.socket
/usr/lib/systemd/system/httpd@.service
/usr/lib64/httpd/modules/mod_brotli.so
/usr/lib64/httpd/modules/mod_systemd.so
/usr/share/man/man5/httpd.conf.5.gz
/usr/share/man/man8/apachectl.8.gz
/usr/share/man/man8/fcgistarter.8.gz
/usr/share/man/man8/htcacheclean.8.gz
/usr/share/man/man8/htcacheclean.service.8.gz
/usr/share/man/man8/httpd.8.gz
/usr/share/man/man8/httpd.service.8.gz
/usr/share/man/man8/httpd.socket.8.gz
/usr/share/man/man8/httpd@.service.8.gz
/usr/share/man/man8/rotatelogs.8.gz
/usr/share/man/man8/suexec.8.gz
[alex3@172-232-207-210 ~]$
```

3. Get general information about httpd.

```
[alex3@172-232-207-210 ~]$ rpm -qi httpd
Name       : httpd
Version    : 2.4.62
Release    : 1.el9
Architecture: x86_64
Install Date: Wed 20 Nov 2024 12:06:12 PM UTC
Group      : Unspecified
Size       : 60914
License    : ASL 2.0
Signature  : RSA/SHA256, Mon 26 Aug 2024 09:43:49 PM UTC, Key ID
Source RPM : httpd-2.4.62-1.el9.src.rpm
Build Date : Mon 12 Aug 2024 01:19:14 PM UTC
Build Host : x86-03.stream.rdu2.redhat.com
Packager   : builder@centos.org
Vendor     : CentOS
URL        : https://httpd.apache.org/
Summary    : Apache HTTP Server
Description:
The Apache HTTP Server is a powerful, efficient, and extensible
web server.
[alex3@172-232-207-210 ~]$ █
```

4. Have the files from the pam package changed since it was installed.

```
[ahmed@server ~]$ rpm -V pam
....L.... c /etc/pam.d/fingerprint-auth
....L.... c /etc/pam.d/password-auth
....L.... c /etc/pam.d/postlogin
....L.... c /etc/pam.d/smartcard-auth
....L.... c /etc/pam.d/system-auth
..?..... c /etc/security/opasswd
..?..... /usr/sbin/unix_update
[ahmed@server ~]$ █
```