

Most Linux distributions have a package management system with online repositories containing thousands of packages. This makes it very easy to install and remove applications, operating system components, documentation and much more

Debian package format .deb and its tools dpkg, apt-get and aptitude. This should be similar on Debian, Ubuntu, Mint and all derived distributions.

Red Hat package format .rpm and its tools rpm and yum. This should be similar on Red Hat, Fedora, CentOS and all derived distributions

A lot of software and documentation for your Linux distribution is available as packages in one or more centrally distributed repositories

Red Hat, Fedora, CentOS, OpenSUSE, Mandriva, Red Flag and others use .rpm packages. The tools to manage software packages on these systems are yum (dnf) and rpm.

What is YUM?

YUM (Yellowdog Updater Modified) is an open-source command-line as well as graphical-based package management tool for RPM (RedHat Package Manager) based Linux systems.

It allows users and system administrators to easily install, update, remove or search software packages on a system.

1. Install a Package with YUM

```
# yum install firefox
```

```
#dnf install firefox
```

```
# yum install firefox httpd
```

2. Removing a Package with YUM

```
# yum remove firefox
```

```
# yum remove firefox httpd # dnf remove firefox httpd
```

3. Updating a Package using YUM

```
# yum update mysql
```

```
# dnf update mysql
```

4. List a Package using YUM

```
# yum list openssh
```

```
# dnf list openssh
```

5. Search for a Package using YUM

```
# yum search vsftpd
```

6. Get Information about a Package using YUM

```
# yum info firefox
```

7. List all Available Packages using YUM

```
# yum list | less
```

8. List all Installed Packages using YUM

```
# yum list installed | less
```

9. Yum Provides Function

```
# yum provides /etc/httpd/conf/httpd.conf
```

10. Check for Available Updates using Yum

```
# yum check-update
```

11. Update System using Yum

```
# yum update
```

16. List Enabled Yum Repositories

```
# yum repolist
```

16. List all Enabled and Disabled Yum Repositories

```
# yum repolist all
```

17. Install a Package from a Specific Repository

```
# yum --enablerepo=appstream install phpmyadmin
```

19. Clean Yum Cache

```
# yum clean all
```

20. View History of Yum

```
# yum history
```

```
#yum history undo 21
```

```
#yum history redo 30
```

21.Enable and Disable repository

```
#yum-config-manager --disable Localrepo_BaseOS
```

```
#yum-config-manager --enable Localrepo_BaseOS
```

```
#yum --disablerepo=* --enablerepo=appstream repolist
```