

8. Software Management.

→ Download package from internet.

For CentOS

To install Tree

```
# curl https://rpmfind.net/linux/centos/7.9.2009/os/x86_64/Packages/tree-1.6.0-10.el7.x86_64.rpm -o tree-1.6.0-10.el7.x86_64.rpm
```

```
# rpm -ivh tree-1.6.0-10.el7.x86_64.rpm
```

```
[root@Imran ~]# curl https://rpmfind.net/linux/centos/7.9.2009/os/x86_64/Packages/tree-1.6.0-10.el7.x86_64.rpm -o tree-1.6.0-10.el7.x86_64.rpm
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           % Dload  % Upload   Total   Spent    Left     Speed
100 47508  100 47508    0     0  57226      0  0 --:--:-- --:--:-- --:--:-- 57238
[root@Imran ~]# ls
anaconda-ks.cfg  httpd-2.4.6-95.el7.centos.x86_64.rpm  original-ks.cfg  tree-1.6.0-10.el7.x86_64.rpm
[root@Imran ~]# rpm -ivh tree-1.6.0-10.el7.x86_64.rpm
Preparing...##### [100%]
Updating / installing...
 1:tree-1.6.0-10.el7##### [100%]
[root@Imran ~]# tree /var/log/
/var/log/
├── anaconda
│   ├── anaconda.log
│   ├── ifcfg.log
│   ├── journal.log
│   ├── ks-script-898Bxq.log
│   ├── ks-script-dyarrY.log
│   ├── ks-script-kPd16m.log
│   ├── ks-script-wnz4e2.log
│   ├── packaging.log
│   ├── program.log
│   ├── storage.log
│   └── syslog
├── audit
│   └── audit.log
├── boot.log
├── btmp
├── chrony
├── cloud-init.log
├── cron
├── dmesg
├── grubby_prune_debug
├── lastlog
├── maillog
├── messages
├── qemu-ga
├── rhsm
├── secure
└── spooler
```

To install httpd

```
# curl https://rpmfind.net/linux/centos/7.9.2009/os/x86_64/Packages/httpd-2.4.6-95.el7.centos.x86_64.rpm -o httpd-2.4.6-95.el7.centos.x86_64.rpm
```

```
# rpm -ivh httpd-2.4.6-95.el7.centos.x86_64.rpm
```

```
[root@Imran ~]# curl https://rpmfind.net/linux/centos/7.9.2009/os/x86_64/Packages/httpd-2.4.6-95.el7.centos.x86_64.rpm -o httpd-2.4.6-95.el7.centos.x86_64.rpm
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           % Dload  % Upload   Total   Spent    Left     Speed
100 2779k  100 2779k    0     0 1943k      0  0 0:00:01 0:00:01 --:--:-- 1945k
[root@Imran ~]# ls
anaconda-ks.cfg  httpd-2.4.6-95.el7.centos.x86_64.rpm  original-ks.cfg
[root@Imran ~]# rpm -ivh httpd-2.4.6-95.el7.centos.x86_64.rpm
warning: httpd-2.4.6-95.el7.centos.x86_64.rpm: Header V3 RSA/SHA256 Signature, key ID f4a80eb5: NOKEY
error: Failed dependencies:
/etc/mime.types is needed by httpd-2.4.6-95.el7.centos.x86_64
system-logos >= 7.92.1-1 is needed by httpd-2.4.6-95.el7.centos.x86_64
httpd-tools = 2.4.6-95.el7.centos is needed by httpd-2.4.6-95.el7.centos.x86_64
libapr-1.so.0(64bit) is needed by httpd-2.4.6-95.el7.centos.x86_64
libaprutil-1.so.0(64bit) is needed by httpd-2.4.6-95.el7.centos.x86_64
[root@Imran ~]#
```

Due to Dependencies its failing and it will be installed one we install all the dependencies. But what if we have Hundreds of dependencies, And that can be solved easily by other package managers like YUM .

repos. d/ directory. It reads each YUM Repository **configuration file to get the information required to**

download and install new software, resolves software dependencies and installs the required RPM package files. YUM Repository configuration files must: be located in /etc/yum.repos.d

```
# ls /etc/yum.repos.d/
```

```
[root@Imran ~]#  
[root@Imran ~]# ls /etc/yum.repos.d/  
CentOS-Base.repo  CentOS-CR.repo  CentOS-Debuginfo.repo  CentOS-fasttrack.repo  CentOS-Media.repo  CentOS-Sources.repo  CentOS-Vault.repo
```

Shows the usage of YUM Command with options

```
# yum --help
```

```
[root@Imran ~]#  
[root@Imran ~]# yum --help  
Loaded plugins: fastestmirror  
Usage: yum [options] COMMAND  
  
List of Commands:  
  
check           Check for problems in the rpmdb  
check-update    Check for available package updates  
clean           Remove cached data  
deplist         List a package's dependencies  
distribution-synchronization Synchronize installed packages to the latest available versions  
downgrade       downgrade a package  
erase           Remove a package or packages from your system  
fs              Acts on the filesystem data of the host, mainly for removing docs/languages for minimal hosts.  
fssnapshot      Creates filesystem snapshots, or lists/deletes current snapshots.  
groups          Display, or use, the groups information  
help            Display a helpful usage message  
history         Display, or use, the transaction history  
info            Display details about a package or group of packages  
install         Install a package or packages on your system  
list            List a package or groups of packages  
load-transaction load a saved transaction from filename  
makecache       Generate the metadata cache  
provides        Find what package provides the given value  
reinstall       Reinstall a package  
repo-pkgs       Treat a repo. as a group of packages, so we can install/remove all of them  
repolist        Display the configured software repositories  
search          Search package details for the given string  
shell           Run an interactive yum shell  
swap            Simple way to swap packages, instead of using shell  
update          Update a package or packages on your system  
update-minimal  Works like upgrade, but goes to the 'newest' package match which fixes a problem that affects your system  
updateinfo      Acts on repository update information  
upgrade         Update packages taking obsoletes into account  
version         Display a version for the machine and/or available repos.  
  
Options:  
-h, --help          show this help message and exit  
-t, --tolerant       be tolerant of errors
```

To Update all your packages

```
# yum update
```

```
[root@Imran ~]# yum update  
Loaded plugins: fastestmirror  
Loading mirror speeds from cached hostfile  
* base: download.cf.centos.org  
* extras: download.cf.centos.org  
* updates: download.cf.centos.org  
Resolving Dependencies  
--> Running transaction check  
--> Package acl.x86_64 0:2.2.51-14.el7 will be updated  
--> Package acl.x86_64 0:2.2.51-15.el7 will be an update  
--> Package bash.x86_64 0:4.2.46-33.el7 will be updated  
--> Package bash.x86_64 0:4.2.46-34.el7 will be an update  
--> Package bind-export-libs.x86_64 32:9.11.4-9.P2.el7 will be updated  
--> Package bind-export-libs.x86_64 32:9.11.4-26.P2.el7_9.7 will be an update  
--> Package binutils.x86_64 0:2.27-41.base.el7_7.2 will be updated  
--> Package binutils.x86_64 0:2.27-44.base.el7 will be an update  
--> Package ca-certificates.noarch 0:2019.2.32-76.el7_7 will be updated  
--> Package ca-certificates.noarch 0:2021.2.50-72.el7_9 will be an update  
--> Package centos-release.x86_64 0:7-7.1908.0.el7.centos will be updated  
--> Package centos-release.x86_64 0:7-9.2009.1.el7.centos will be an update  
--> Package chkconfig.x86_64 0:1.7.4-1.el7 will be updated  
--> Package chkconfig.x86_64 0:1.7.6-1.el7 will be an update  
--> Package cloud-init.x86_64 0:18.5-3.el7.centos will be updated
```

To install httpd

```
# yum install httpd -y
```

```

[root@Imran ~]#
[root@Imran ~]# yum install httpd -y
Loaded plugins: fastestmirror
Determining fastest mirrors
 * base: download.cf.centos.org
 * extras: download.cf.centos.org
 * updates: download.cf.centos.org
base | 3.6 kB 00:00:00
extras | 2.9 kB 00:00:00
updates | 2.9 kB 00:00:00
(1/4): base/7/x86_64/group_gz | 153 kB 00:00:00
(2/4): extras/7/x86_64/primary_db | 243 kB 00:00:00
(3/4): base/7/x86_64/primary_db | 6.1 MB 00:00:00
(4/4): updates/7/x86_64/primary_db | 11 MB 00:00:00
Resolving Dependencies
--> Running transaction check
Total | 22 MB/s | 24 MB 00:00:01
Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7
Importing GPG key 0xF4A80EB5:
 Userid : "CentOS-7 Key (CentOS 7 Official Signing Key) <security@centos.org>"
 Fingerprint: 6341 ab27 53d7 8a78 a7c2 7bb1 24c6 a8a7 f4a8 0eb5
 Package : centos-release-7-7.1908.0.el7.centos.x86_64 (installed)
 From : /etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-7
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : apr-1.4.8-7.el7.x86_64 1/6
Installing : apr-util-1.5.2-6.el7.x86_64 2/6
Installing : httpd-tools-2.4.6-97.el7.centos.x86_64 3/6
Installing : centos-logos-70.0.6-3.el7.centos.noarch 4/6
Installing : mailcap-2.1.41-2.el7.noarch 5/6
Installing : httpd-2.4.6-97.el7.centos.x86_64 6/6
Verifying : mailcap-2.1.41-2.el7.noarch 1/6
Verifying : apr-1.4.8-7.el7.x86_64 2/6
Verifying : apr-util-1.5.2-6.el7.x86_64 3/6
Verifying : httpd-2.4.6-97.el7.centos.x86_64 4/6
Verifying : httpd-tools-2.4.6-97.el7.centos.x86_64 5/6
Verifying : centos-logos-70.0.6-3.el7.centos.noarch 6/6

Installed:
httpd.x86_64 0:2.4.6-97.el7.centos

Dependency Installed:
apr.x86_64 0:1.4.8-7.el7 apr-util.x86_64 0:1.5.2-6.el7 centos-logos.noarch 0:70.0.6-3.el7.centos httpd-tools.x86_64 0:2.4.6-97.el7.centos
mailcap.noarch 0:2.1.41-2.el7

Complete!

```

To remove httpd

yum remove httpd -y

```

[root@Imran ~]# yum remove httpd -y
Loaded plugins: fastestmirror
Resolving Dependencies
--> Running transaction check
---> Package httpd.x86_64 0:2.4.6-97.el7.centos will be erased
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package Arch Version Repository Size
=====
Removing:
httpd x86_64 2.4.6-97.el7.centos @updates 9.4 M
=====

Transaction Summary
=====
Remove 1 Package

Installed size: 9.4 M
Downloading packages:
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Erasing : httpd-2.4.6-97.el7.centos.x86_64 1/1
Verifying : httpd-2.4.6-97.el7.centos.x86_64 1/1

Removed:
httpd.x86_64 0:2.4.6-97.el7.centos

Complete!

```

For Ubuntu

wget http://archive.ubuntu.com/ubuntu/pool/universe/t/tree/tree_1.7.0-3_amd64.deb -o tree_1.7.0-3_amd64.deb

dpkg -i tree_1.7.0-3_amd64.deb


```

root@Imran:~#
root@Imran:~# wget http://archive.ubuntu.com/ubuntu/pool/universe/t/tree/tree_1.7.0-3_amd64.deb
--2021-09-27 04:30:17-- http://archive.ubuntu.com/ubuntu/pool/universe/t/tree/tree_1.7.0-3_amd64.deb
Resolving archive.ubuntu.com (archive.ubuntu.com)... 91.189.88.142, 91.189.88.152, 2001:67c:1360:8001::24, ...
Connecting to archive.ubuntu.com (archive.ubuntu.com)|91.189.88.142|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 40572 (40K) [application/x-debian-package]
Saving to: 'tree_1.7.0-3_amd64.deb'

tree_1.7.0-3_amd64.deb      100%[=====] 39.62K  --.-KB/s   in 0.07s

2021-09-27 04:30:17 (551 KB/s) - 'tree_1.7.0-3_amd64.deb' saved [40572/40572]

root@Imran:~# dpkg -i tree_1.7.0-3_amd64.deb
Selecting previously unselected package tree.
(Reading database ... 63739 files and directories currently installed.)
Preparing to unpack tree_1.7.0-3_amd64.deb ...
Unpacking tree (1.7.0-3) ...
Setting up tree (1.7.0-3) ...
Processing triggers for man-db (2.9.1-1) ...
root@Imran:~# tree /var/log/
/var/log/
├── amazon
│   └── ssm
│       ├── amazon-ssm-agent.log
│       ├── audits
│       │   └── amazon-ssm-agent-audit-2021-09-27
│       └── hibernate.log
├── apt
│   ├── eipp.log.xz
│   ├── history.log
│   └── term.log
├── auth.log
├── btmp
├── cloud-init-output.log
├── cloud-init.log
├── dist-upgrade
└── dmesg

```

We have seen YUM Like that for Ubuntu we have a package manager ‘**apt**’.

The **sources.list** file is a key factor in adding or upgrading applications to your Ubuntu installation. This is also used by your system for system updates. The file is basically the roadmap for your system to know where it may download programs for installation or upgrade.

cat /etc/apt/sources.list

```

root@Imran:~#
root@Imran:~# cd /etc/apt/
root@Imran:/etc/apt# ls
apt.conf.d  auth.conf.d  preferences.d  sources.list  sources.list.d  trusted.gpg.d
root@Imran:/etc/apt# cat /etc/apt/sources.list
## Note, this file is written by cloud-init on first boot of an instance
## modifications made here will not survive a re-bundle.
## if you wish to make changes you can:
## a.) add 'apt_preserve_sources_list: true' to /etc/cloud/cloud.cfg
##    or do the same in user-data
## b.) add sources in /etc/apt/sources.list.d
## c.) make changes to template file /etc/cloud/templates/sources.list.tpl

# See http://help.ubuntu.com/community/UpgradeNotes for how to upgrade to
# newer versions of the distribution.
deb http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal main restricted
# deb-src http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal main restricted

## Major bug fix updates produced after the final release of the
## distribution.
deb http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal-updates main restricted
# deb-src http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal-updates main restricted

## N.B. software from this repository is ENTIRELY UNSUPPORTED by the Ubuntu
## team. Also, please note that software in universe WILL NOT receive any
## review or updates from the Ubuntu security team.
deb http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal universe
# deb-src http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal universe
deb http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal-updates universe
# deb-src http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal-updates universe

## N.B. software from this repository is ENTIRELY UNSUPPORTED by the Ubuntu
## team, and may not be under a free licence. Please satisfy yourself as to
## your rights to use the software. Also, please note that software in
## multiverse WILL NOT receive any review or updates from the Ubuntu
## security team.
deb http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal multiverse
# deb-src http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal multiverse
deb http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal-updates multiverse
# deb-src http://us-east-1.ec2.archive.ubuntu.com/ubuntu/ focal-updates multiverse

```

Shows the usage of apt Command with options

apt --help

```

root@Imran:~# apt --help
apt 2.0.6 (amd64)
Usage: apt [options] command

apt is a commandline package manager and provides commands for
searching and managing as well as querying information about packages.
It provides the same functionality as the specialized APT tools,
like apt-get and apt-cache, but enables options more suitable for
interactive use by default.

Most used commands:
  list - list packages based on package names
  search - search in package descriptions
  show - show package details
  install - install packages
  reinstall - reinstall packages
  remove - remove packages
  autoremove - Remove automatically all unused packages
  update - update list of available packages
  upgrade - upgrade the system by installing/upgrading packages
  full-upgrade - upgrade the system by removing/installing/upgrading packages
  edit-sources - edit the source information file
  satisfy - satisfy dependency strings

See apt(8) for more information about the available commands.
Configuration options and syntax is detailed in apt.conf(5).
Information about how to configure sources can be found in sources.list(5).
Package and version choices can be expressed via apt_preferences(5).
Security details are available in apt-secure(8).

      This APT has Super Cow Powers.

```

To update all your package lists

#apt update

```

root@Imran:~# apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu focal-security InRelease
Reading package lists... Done
Building dependency tree
Reading state information... Done
27 packages can be upgraded. Run 'apt list --upgradable' to see them.

```

TO search for a <package> apache2

apt search apache2

```

root@Imran:~# apt search apache2
Sorting... Done
Full Text Search... Done
apache2/focal-updates,now 2.4.41-4ubuntu3.4 amd64 [installed]
  Apache HTTP Server

apache2-bin/focal-updates,now 2.4.41-4ubuntu3.4 amd64 [installed,automatic]
  Apache HTTP Server (modules and other binary files)

apache2-data/focal-updates,now 2.4.41-4ubuntu3.4 all [installed,automatic]
  Apache HTTP Server (common files)

apache2-dev/focal-updates 2.4.41-4ubuntu3.4 amd64
  Apache HTTP Server (development headers)

apache2-doc/focal-updates 2.4.41-4ubuntu3.4 all
  Apache HTTP Server (on-site documentation)

apache2-ssl-dev/focal-updates 2.4.41-4ubuntu3.4 amd64
  Apache HTTP Server (mod_ssl development headers)

apache2-suexec-custom/focal-updates 2.4.41-4ubuntu3.4 amd64
  Apache HTTP Server configurable suexec program for mod_suexec

apache2-suexec-pristine/focal-updates 2.4.41-4ubuntu3.4 amd64
  Apache HTTP Server standard suexec program for mod_suexec

apache2-utils/focal-updates,now 2.4.41-4ubuntu3.4 amd64 [installed,automatic]
  Apache HTTP Server (utility programs for web servers)

```

To install apache2

apt install apache2 -y

```

root@Imran:~# apt install apache2 -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
  apache2
0 upgraded, 1 newly installed, 0 to remove and 27 not upgraded.
Need to get 95.5 kB of archives.
After this operation, 542 kB of additional disk space will be used.
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2 amd64 2.4.41-4ubuntu3.4 [95.5 kB]
Fetched 95.5 kB in 0s (5456 kB/s)
Selecting previously unselected package apache2.
(Reading database ... 64421 files and directories currently installed.)
Preparing to unpack .../apache2_2.4.41-4ubuntu3.4_amd64.deb ...
Unpacking apache2 (2.4.41-4ubuntu3.4) ...
Setting up apache2 (2.4.41-4ubuntu3.4) ...
Processing triggers for systemd (245.4-4ubuntu3.11) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for ufw (0.36-6) ...
root@Imran:~#

```

To remove apache2

apt remove apache2 -y

```

root@Imran:~# apt remove apache2 -y
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libjansson4 liblua5.2-0 ssl-cert
Use 'apt autoremove' to remove them.
The following packages will be REMOVED:
  apache2
0 upgraded, 0 newly installed, 1 to remove and 27 not upgraded.
After this operation, 542 kB disk space will be freed.
(Reading database ... 64471 files and directories currently installed.)
Removing apache2 (2.4.41-4ubuntu3.4) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for ufw (0.36-6) ...
root@Imran:~#

```

Commands	Description	
wget link	to download file from link	
curl link	access file from link	
curl link -o outputfile	access file and store o/p to a file	
REDHAT RPM commands		
rpm -ivh {rpm-file}	Install the package	rpm -ivh mozilla-mail-1.7.5-17.i586.rpm rpm -ivh --test mozilla-mail-1.7.5-17.i586.rpm

<code>rpm -Uvh {rpm-file}</code>	Upgrade package	<code>rpm -Uvh mozilla-mail-1.7.6-12 .i586.rpm rpm -Uvh --test mozilla- mail-1.7.6-12 .i586.rpm</code>
----------------------------------	-----------------	--

<code>rpm -ev {package}</code>	Erase/remove/ an installed package	<code>rpm -ev mozilla-mail</code>
<code>rpm -ev --nodeps {package}</code>	Erase/remove/ an installed package without checking for	<code>rpm -ev -- nodeps mozilla-mail</code>

	dependencies	
<code>rpm -qa</code>	Display list all installed packages	<code>rpm -qa rpm -qa less</code>
<code>rpm -qi {package}</code>	Display installed information along with package version and short description	<code>rpm -qi mozilla-mail</code>
<code>rpm -qf {/path/to/file}</code>	Find out what package a file belongs to i.e. find what package owns the file	<code>rpm -qf /etc/passwd rpm -qf /bin/bash</code>
<code>rpm -qc {package-name}</code>	Display list of configuration file(s) for a package	<code>rpm -qc httpd</code>
<code>rpm -qcf {/path/to/file}</code>	Display list of configuration files for a command	<code>rpm -qcf /usr/X11R6/bin/xeyes</code>
<code>rpm -qa --last</code>	Display list of all recently installed RPMs	<code>rpm -qa --last rpm -qa --last less</code>
<code>rpm -qpR {rpm-file}</code> <code>rpm -qR {package}</code>	Find out what dependencies a rpm file has	<code>rpm -qpR mediawiki-1.4rc1-4.i586.rpm rpm -qR bash</code>

CentOS_8 Commands		
DNF commands cheatsheet	https:// www.linuxtechi .com/dnf-command- examples-rpm- management- fedora- linux/	
dnf --help	Show the help	

dnf search PACKAGE	search from available repositories	
dnf install PACKAGE -y	To install the package	
dnf install httpd -y	To Install httpd package	
dnf install vim -y	Installing VIM Editor	
dnf reinstall PACKAGE	To reinstall PACKAGE	
dnf remove PACKAGE	To remove PACKAGE	
dnf update	update all packages	
dnf update PACKAGE	update only a package	

dnf grouplist	List all available Group Packages	
dnf groupinstall "GROUPNAME"	Installs all the packages in a group	
dnf repolist	List Enabled dnf Repositories	
dnf clean all	Clean dnf Cache	

dnf install epel-release	Additional package repository that provides easy access to install packages for commonly used software.	
--------------------------	---	--

dnf history	View History of dnf	
dnf info package name	Shows the information of package like version, size, source, repository etc	
YUM Commands Cheatsheet	https://access.redhat.com/sites/default/files/attachments/rh_yum_cheatsheet_1214_jcs_print-1.pdf	
yum -help	Shows the help	
yum search PACKAGE	Search from available repositories	
yum install PACKAGE -y	To install the package	
yum install httpd -y	To install httpd package	
yum install vim -y	To install VIM Editor	
yum reinstall PACKAGE	To reinstall the PACKAGE	

Yum remove PACKAGE	To Remove PACKAGE	
yum update	Update all packages	
yum update PACKAGE	To Update specific package	
yum grouplist	List all available Group packages	
yum groupinstall "Group Name"	Install all the packages in a group	

Yum repolist	List Enabled YUM repositories	
yum install epel- release	Additional package repository that provides easy access to install packages for commonly used software.	
yum clean all	Clean yum cache	
yum history	View history of yum	
Yum info PACKAGE NAME	Shows the information of package like version, size, source, repository etc.	
Ubuntu20 Commands		
apt commands cheatsheet	https://itsfoss.com/apt-command-guide/	
apt search PACKAGE	search from available repositories	
apt install PACKAGE -y	To Install Packages	
apt install apache2 -y	To Install apache2	

apt reinstall PACKAGE	To reinstall PACKAGE	
apt remove PACKAGE	To remove PACKAGE	
apt update	update all packages	
apt update PACKAGE	update only a package	

apt grouplist	List all available Group Packages	
apt groupinstall "GROUPNAME"	Installs all the packages in a group.	
apt repolist	List Enabled apt Repositories	
apt clean all	Clean apt Cache	
apt history	View History of apt	
apt show package name	Shows the information of package like version, size, source, repository etc	