

Installation, Update & Removal (Debian / Ubuntu)

Command	Purpose
<code>apt install</code>	Install package
<code>apt remove</code>	Remove package
<code>apt purge</code>	Remove package and configuration
<code>apt autoremove</code>	Remove unused dependencies
<code>apt update</code>	Update package index
<code>apt upgrade</code>	Update installed packages
<code>apt full-upgrade</code>	Upgrade including dependency changes
<code>dpkg -i</code>	Install local .deb package
<code>dpkg -r</code>	Remove package
<code>dpkg -l</code>	List installed packages

Repository Management (Debian)

Command	Purpose
<code>apt update</code>	Refresh repositories
<code>add-apt-repo source</code>	Add repository
<code>/etc/apt/sources.list</code>	Main repository file
<code>/etc/apt/sources.list.d/</code>	Additional repositories

Installation, Update & Removal (RHEL)

Command	Purpose
<code>dnf install</code>	Install package
<code>dnf remove</code>	Remove package
<code>dnf update</code>	Update packages
<code>dnf upgrade</code>	Upgrade packages
<code>dnf search</code>	Search packages
<code>dnf info</code>	Package information

Installation, Update & Removal (RHEL) (cont)

<code>dnf list installed</code>	Installed packages
<code>rpm -i</code>	Install RPM
<code>rpm -e</code>	Remove RPM
<code>rpm -q</code>	Query package

Repository Management (RHEL)

Command	Purpose
<code>dnf repolist</code>	List repositories
<code>dnf config-manager</code>	Manage repositories
<code>/etc/yum.repos.d/</code>	Repository files

Package Exclusions

Command	Purpose
<code>dnf update --exclude=PKG</code>	Skip package update
<code>apt-mark hold PKG</code>	Prevent package upgrades
<code>apt-mark unhold PKG</code>	Allow upgrades again

PKG is a placeholder for an actual package name

Basic Configurations of Common Services

Command	Purpose
<code>systemctl start</code>	Start service
<code>systemctl stop</code>	Stop service
<code>systemctl restart</code>	Restart service
<code>systemctl reload</code>	Reload configuration
<code>systemctl enable</code>	Enable at boot
<code>systemctl disable</code>	Disable at boot
<code>systemctl status</code>	View service status

Sandboxed Applications

Technology	Description
Snap	Canonical package format
Flatpak	Desktop application packaging
AppImage	Portable application

Software Configuration

Location	Purpose
<code>/etc</code>	System configuration
<code>/etc/default</code>	Default service settings
<code>/etc/sysconfig</code>	RHEL configuration
<code>/usr/share/doc</code>	Documentation

Alternatives

Command
<code>update-alternatives --config NAME</code>
<code>update-alternatives --display NAME</code>
<code>alternatives --config NAME</code>

NAME is a placeholder for actual package names



By **hlhlhl** (hlhlhl)
cheatography.com/hlhlhl/

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