# CHEAT

## Package Managers Cheat Sheet (apt, yum, brew)

A quick reference guide to common package management commands for apt (Debian/Ubuntu), yum (CentOS/RHEL), and brew (macOS). This cheat sheet provides essential commands for installing, updating, removing, and managing software packages on different operating systems.



## apt - Debian/Ubuntu

autoremove

yum - CentOS/RHEL

sudo yum update

sudo yum install

sudo yum remove <package\_name> sudo yum

<package\_name>

autoremove

all

<package\_name> sudo yum clean

Basic Package Management

### Basic Package Management

sudo apt update	Update the package lists.	
sudo apt upgrade	Upgrade all upgradable packages.	
sudo apt install <package_nam e&gt;</package_nam 	Install a new package.	
sudo apt remove <package_nam e&gt;</package_nam 	Remove a package (leaving configuration files).	
sudo apt purge <package_nam e&gt;</package_nam 	Remove a package and its configuration files.	
sudo apt	Remove automatically installed	

dependencies that are no longer

Update all packages.

Install a new package.

Remove a package.

dependencies.

data.

Remove a package and its

Clean up cached package

needed.

#### Package Information

#### Show detailed information apt show <package\_name> about a package. apt list --List all installed packages. installed Search for packages by apt search <keyword> keyword. Show the dependencies of a apt depends package. <package\_name>

Managing	Repositories
managing	Repositories

/etc/apt/sources .list	Main configuration file for APT repositories.
<pre>/etc/apt/sources .list.d/</pre>	Directory for additional repository files.
sudo add-apt- repository <repository></repository>	Add a new repository (e.g., PPA).
sudo apt update	Update package lists after adding a repository.

#### Package Information

yum list installedList all installed packages.yum search <keyword>Search for packages by keyword.yum provides <file_name>Find which package provides a specific file.</file_name></keyword>	yum info <package_name></package_name>	Show detailed information about a package.
<keyword> keyword. yum provides Find which package provides</keyword>	3	List all installed packages.
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	3	

#### Managing Repositories

/etc/yum.r epos.d/	Directory for yum repository configuration files.
yum repolist	List all enabled yum repositories.
yum install yum-utils	Install yum-utils package, provides useful utilities.
yumdownloa der <package_na me&gt;</package_na 	Download an RPM package without installing it (requires yum-utils).

#### brew - macOS

#### **Basic Package Management**

brew update	Update Homebrew itself.
brew upgrade	Upgrade all outdated packages.
brew install <package_name></package_name>	Install a new package.
brew uninstall <package_name></package_name>	Uninstall a package.
brew cleanup	Remove older versions of installed packages.

#### Package Information

brew info <package_name></package_name>	Show information about a package.
brew list	List installed packages.
brew search <keyword></keyword>	Search for packages by keyword.
brew deps <package_name></package_name>	Show dependencies for a package.

#### Managing Brew

brew doctor	Diagnose potential problems with your brew setup.
brew config	Display Homebrew's configuration info.
brew cask install <cask_name></cask_name>	Install a cask (GUI application).
brew tap <user repo=""></user>	Add a new tap (unofficial repository).

## **Common Operations Across Package Managers**

## Finding Packages

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apt search <package_name> yum search <package_name> brew search <package_name></package_name></package_name></package_name>	Search for a package by name or description.		Update the package list and upgrade packages.	<pre>apt install <package_name> yum install <package_name> brew install <package_name></package_name></package_name></package_name></pre>	Install a specific package.
apt list installed yum list installed brew list	List all installed packages.	apt autoremove yum autoremove brew cleanup	Remove unneeded dependencies and clean up old versions.	<pre>apt remove <package_name> yum remove <package_name> brew uninstall <package_name></package_name></package_name></package_name></pre>	Remove a specific package.

Installing and Removing