

# Homebrew Riferimento Rapido

Gestione pacchetti, cask, tap, servizi, pulizia

## Installazione

### Installa Homebrew

```
/bin/bash -c "$(curl -fsSL \
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.
sh)"
brew --version      # verify installation
```

### Post-Installazione (Apple Silicon)

```
# add Homebrew to PATH (Apple Silicon default)
echo 'eval "$(/opt/homebrew/bin/brew shellenv)'" \
>> ~/.zprofile
eval "$(/opt/homebrew/bin/brew shellenv)"
```

### Percorsi di Installazione

<code>/opt/homebrew</code>	Prefisso Apple Silicon (ARM)
<code>/usr/local</code>	Prefisso Intel Mac
<code>/home/linuxbrew/.linuxbrew</code>	Prefisso Linux

## Gestione Pacchetti

### Installazione e Rimozione

```
brew install git      # install formula
brew install git@2.40 # install specific version
brew uninstall git    # remove formula
brew reinstall git    # reinstall formula
```

### Aggiornamento

```
brew update      # update Homebrew itself
brew upgrade     # upgrade all packages
brew upgrade git # upgrade specific package
brew pin git     # prevent auto-upgrade
brew unpin git   # allow upgrade again
```

### Elenco Installati

```
brew list      # all installed formulae
brew list --cask # all installed casks
brew leaves    # top-level (not dependencies)
brew deps git  # show dependencies of git
```

## Ricerca e Info

### Ricerca Pacchetti

```
brew search postgres # search by name
brew search --cask chrome # search casks only
brew info git        # package details
brew home git        # open homepage in browser
```

### Campi Info

<b>Name / Version</b>	Nome del pacchetto e versione installata
<b>Dependencies</b>	Pacchetti richiesti
<b>Conflicts</b>	Pacchetti incompatibili
<b>Caveats</b>	Note post-installazione (PATH, config)
<b>Analytcs</b>	Conteggio installazioni (ultimi 30/90/365 giorni)

## Servizi

### Gestione Servizi

```
brew services list      # all services + status
brew services start postgresql # start and auto-launch
brew services stop postgresql # stop service
brew services restart nginx # restart service
brew services run redis  # start without auto-launch
```

### Note sui Servizi

```
start  Avvia subito + registra all'avvio
run    Avvia subito soltanto (senza auto-start)
stop   Ferma e deregistra dall'avvio
restart Ferma poi avvia
list   Mostra tutti i servizi e il loro stato
Logs   Controlla ~/Library/Logs/Homebrew/
```

## Cask

### Gestione Applicazioni GUI

```
brew install --cask firefox # install GUI app
brew uninstall --cask firefox # remove GUI app
brew upgrade --cask        # upgrade all casks
brew list --cask          # list installed casks
```

### Cask Comuni

<b>google-chrome</b>	Browser Chrome
<b>visual-studio-code</b>	Editor VS Code
<b>docker</b>	Docker Desktop
<b>iterm2</b>	Terminale iTerm2
<b>slack</b>	Messaggistica Slack
<b>rectangle</b>	Gestione finestre
<b>1password</b>	Gestore password
<b>raycast</b>	Launcher (sostituto di Spotlight)

## Tap

### Repository di Terze Parti

```
brew tap      # list tapped repos
brew tap hashicorp/tap # add a tap
brew untap hashicorp/tap # remove a tap
brew install hashicorp/tap/terraform # install from tap
```

### Tap Popolari

<b>homebrew/cask</b>	App GUI (inclusa per default)
<b>homebrew/cask-fonts</b>	Font: <b>brew install --cask font-fira-code</b>
<b>homebrew/bundle</b>	Supporto Brewfile (Bundler per Homebrew)
<b>hashicorp/tap</b>	Terraform, Vault, Consul

### Brewfile (Bundle)

```
brew bundle dump      # generate Brewfile
brew bundle install   # install from Brewfile
brew bundle cleanup   # remove unlisted packages
```

## Pulizia

### Liberare Spazio su Disco

```
brew cleanup      # remove old versions
brew cleanup -s   # also remove cache
brew cleanup --prune=all # remove all cached downloads
brew autoremove   # remove unused dependencies
```

### Diagnostica

```
brew doctor      # check for issues
brew config      # show Homebrew config
brew missing     # list missing dependencies
du -sh $(brew --cache) # check cache size
```

## Pattern Comuni

### Flussi di Lavoro Quotidiani

<b>Aggiornamento mattutino</b>	<b>brew update &amp;&amp; brew upgrade &amp;&amp; brew cleanup</b>
<b>Configurazione nuovo Mac</b>	<b>brew bundle install</b> da un Brewfile
<b>Esporta configurazione</b>	<b>brew bundle dump --file=~/.Brewfile</b>
<b>Controlla salute</b>	<b>brew doctor</b>
<b>Trova cosa occupa spazio</b>	<b>brew list --formula   xargs brew info</b>
<b>Disinstalla + dipendenze</b>	<b>brew uninstall pkg &amp;&amp; brew autoremove</b>

### Esempio di Brewfile

```
# ~/Brewfile
tap "homebrew/bundle"
brew "git"
brew "node"
brew "python"
cask "visual-studio-code"
cask "docker"
```