

# Arch Package Managers

## Pacman

- Upgrade everything: `pacman -Syu`
- Install package: `pacman -S <pkg>`
- Search packages: `pacman -Ss <keywords>`
- Remove package
  - `pacman -Rsn <pkg>`
  - `pacman -Rsc <pkg>`
- Modified files in package: `pacman -Qkk <pkg>`
- File list of package: `pacman -Ql <pkg>`
- Which package owns a file: `pacman -Qo <file>`
- What does pkg depend on: `pactree <pkg>`
- What depends on pkg: `pactree -r <pkg>`
- List unneeded packages: `pacman -Qdt`
- List explicitly-installed packages: `pacman -Qe`
- List information on package: `pacman -Qii <pkg>`
- Search installed packages for keywords: `pacman -Qs <query>`
- Downgrade package: `pacman -U /var/cache/pacman/pkg/linux-5.7.8.arch1-1-x86_64.pkg.tar.zst`

## How to Install an AUR helper

### package-query

```
git clone https://aur.archlinux.org/package-query.git
cd package-query/
makepkg -si
cd ..
rm -rf package-query/
```

### yay

```
git clone https://aur.archlinux.org/yay.git
cd yay
makepkg -si
rm -rf yay/
```

## Delete cached files

### pacman

Deletes cached versions of installed and uninstalled packages, except for the most recent 2:

```
paccache -r -k2
```

Remove package cache and currently unused sync databases:

```
pacman -Sc
```

## yay

Remove cached AUR package and any untracked files in the cache (caution: this command removes pacman caches as well):

```
yay -Sc
```

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