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# Homebrew

The Missing Package Manager for macOS (or Linux)

English



## Install Homebrew

```
$ /bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```



Paste that in a macOS Terminal or Linux shell prompt.

The script explains what it will do and then pauses before it does it. Read about other **installation options**.

## What Does Homebrew Do?

Homebrew installs **the stuff you need** that Apple (or your Linux system) didn't.

```
$ brew install wget
```

Homebrew installs packages to their own directory and then symlinks their files into `/usr/local`.

```
$ cd /usr/local
$ find Cellar
Cellar/wget/1.16.1
Cellar/wget/1.16.1/bin/wget
Cellar/wget/1.16.1/share/man/man1/wget.1

$ ls -l bin
bin/wget -> ../Cellar/wget/1.16.1/bin/wget
```

Homebrew won't install files outside its prefix and you can place a Homebrew installation wherever you like.

Trivially create your own Homebrew packages.

```
$ brew create https://foo.com/bar-1.0.tgz
Created /usr/local/Homebrew/Library/Taps/homebrew/homebrew-core
```

It's all Git and Ruby underneath, so hack away with the knowledge that you can easily revert your modifications and merge upstream updates.

```
$ brew edit wget # opens in $EDITOR!
```

Homebrew formulae are simple Ruby scripts:

```
class Wget < Formula
  homepage "https://www.gnu.org/software/wget/"
  url "https://ftp.gnu.org/gnu/wget/wget-1.15.tar.gz"
  sha256 "52126be8cf1bdd7536886e74c053ad7d0ed2aa89b4"

  def install
    system "./configure", "--prefix=#{prefix}"
    system "make", "install"
  end
end
```

Homebrew complements macOS (or your Linux system). Install your RubyGems with `gem` and their dependencies with `brew`.

"To install, drag this icon..." no more. **Homebrew Cask** installs macOS apps, fonts and plugins and other non-open source software.

```
$ brew install --cask firefox
```

Making a cask is as simple as creating a formula.

```
$ brew create --cask foo
Editing /usr/local/Homebrew/Library/Taps/homebrew/homebrew-core
```

## Further Documentation

[docs.brew.sh](https://docs.brew.sh)

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