



# Homebrew Taps

*Quickstart Guide: Creating a Homebrew Tap*

# Homebrew

- Package manager for macOS
- Runs on Terminal
- Written in Ruby
- Free & open-source
- Taps & Casks

# Tools



[https://github.com/  
rwbutler/IPAUploader](https://github.com/rwbutler/IPAUploader)

Delivers apps to TestFlight /  
App Store.



[https://github.com/  
rwbutler/Palette](https://github.com/rwbutler/Palette)

Generates colour palettes  
for use in Xcode.

# GitHub

- Create a repository prefixed with homebrew–
- Allows use of the shortcut: `brew tap user/repo`
- We can tap any Git repository using:

```
brew tap user/repo https://github.com/user/homebrew-repo
```

# Release

- When your software is ready create a release.
  - Create a tag
  - Optionally attach a binary asset - tarball, zip etc.
- Calculate the SHA-256 of your tap:

```
openssl sha256 palette
```

<https://help.github.com/articles/creating-releases/>

# Formulae

- Stored in root, `Formula` or `HomebrewFormula` directories
- Formulae are Ruby classes containing Homebrew DSL

# Example

```
class Palette < Formula

  desc "Makes your TypographyKit color palette available in Xcode Interface Builder."

  homepage "https://github.com/rwbutler/TypographyKitPalette"

  version "1.0.0"

  url "https://github.com/rwbutler/TypographyKitPalette/releases/download/#{version}/palette"

  sha256 "fbceb7134b1444d2a27b91ae030eac3ccbc4e93eba1a67455b1c65612458d12f"

  def install

    bin.install "palette"

  end

  test do

    palette --help

  end

end
```

# Installation

- Download the formulae:
  - `brew tap rwbutler/tools`
- Installation:
  - `brew install palette`
- Shortcut:
  - `brew install rwbutler/tools/palette`



# References

- brew(1) – The missing package manager for macOS

<https://docs.brew.sh/Manpage>

- How to Create and Maintain a Tap

<https://docs.brew.sh/How-to-Create-and-Maintain-a-Tap>