Heroku

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Summary: *Setup a Heroku account and host your first remote server.*

Contents

Chapter I

Introduction

So far we have been running our server from our local machine. We have had to manually start and stop our server when we want to access our API. Now we our going to host our server in the cloud using Heroku. That way Heroku will keep our server running and users can access the API whenever.

Chapter II

Pre-req: Homebrew & Heroku CLI

First we need to install Homebrew, so that we can later install the Heroku CLI

Copy and paste the following into your terminal.

```
mkdir $HOME/.brew && curl -fsSL https://github.com/Homebrew/brew/tarball/master | tar xz --strip 1 -C
 $HOME/.brew
mkdir -p /tmp/.$(whoami)-brew-locks
mkdir -p $HOME/.brew/var/homebrew
ln -s /tmp/.$(whoami)-brew-locks $HOME/.brew/var/homebrew/locks
export PATH="$HOME/.brew/bin:$PATH"
brew update && brew upgrade
```

Afterwards make sure you add the following lines to your '.zshrc'.
You can access this file by using 'vim .zshrc'

```
mkdir -p /tmp/.$(whoami)-brew-locks
export PATH="$HOME/.brew/bin:$PATH"
```
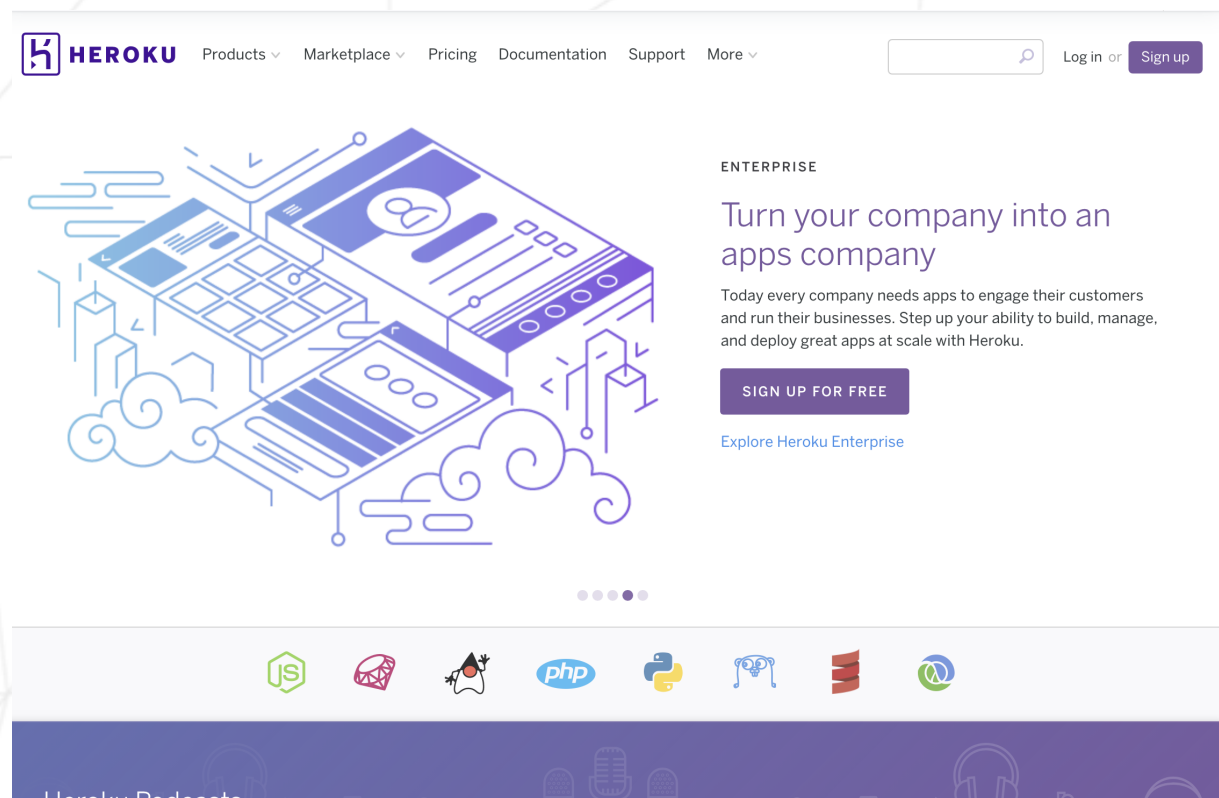
Once we have Homebrew installed we can install the Heroku. Simply run:

```
brew tap heroku/brew && brew install heroku
```

Chapter III

Instructions

First head to https://www.heroku.com/ and click signup

Fill out the simple form to create an account

Next head to 'create new app'
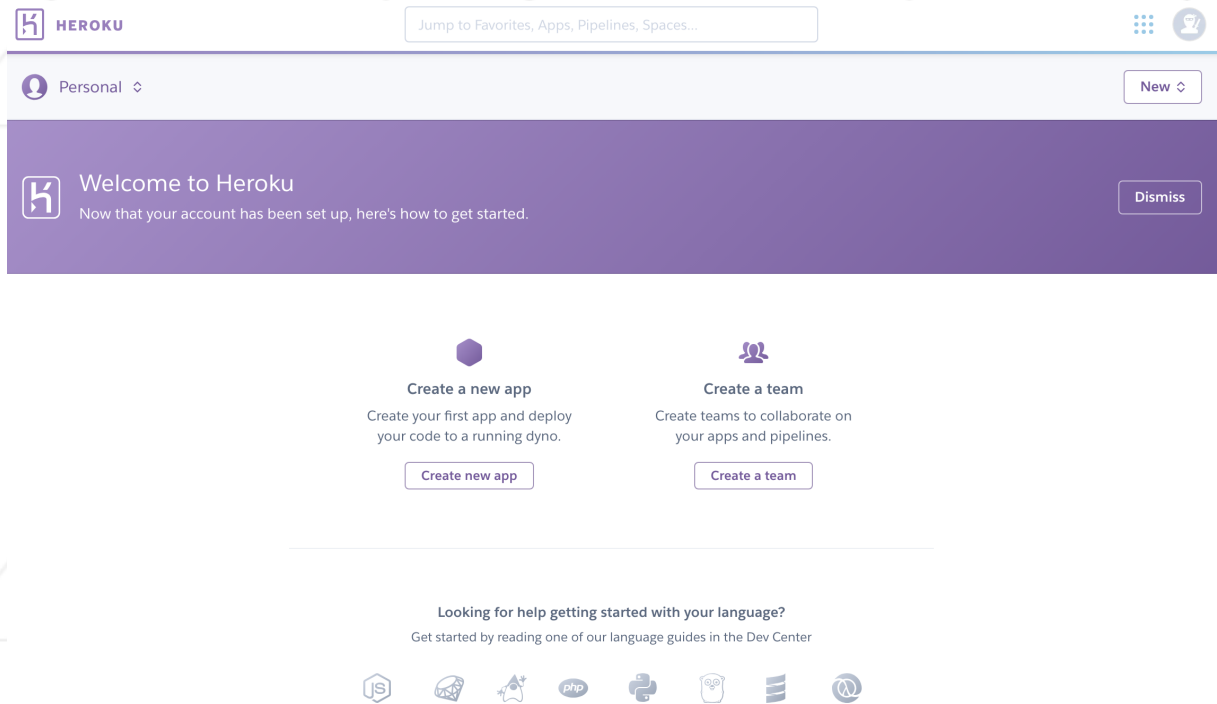
Simply give your app a name
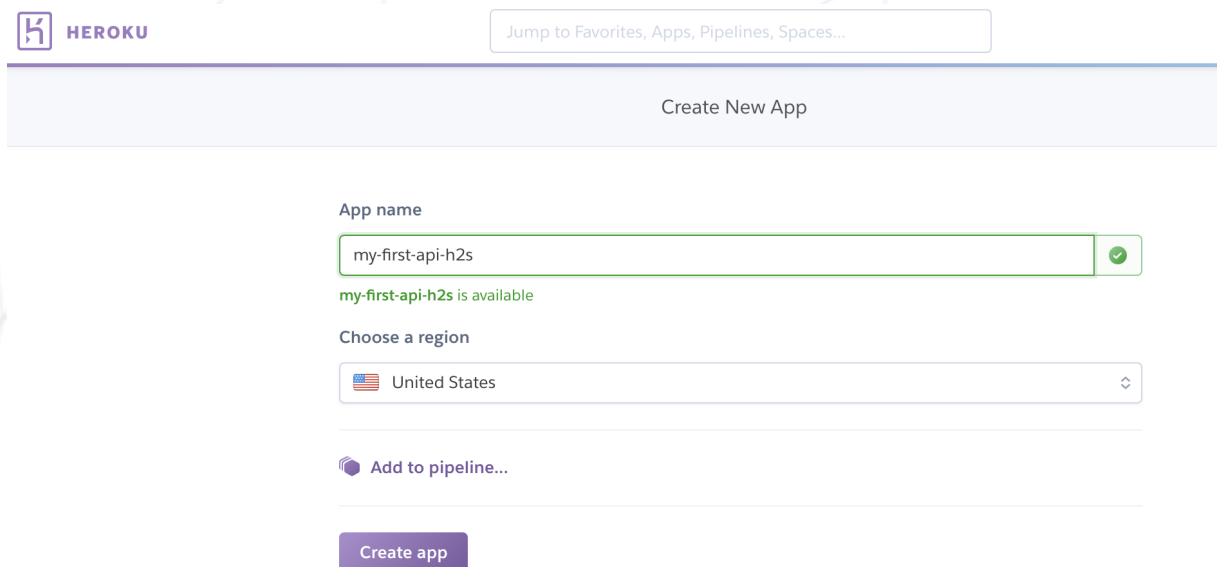
Heroku

Once you get to this page you will need to login to the Heroku cli. Then copy your command to add heroku to an 'Existing Git repository'. Finally follow the 'Deploy your application' instructions.

Deploy using Heroku Git

Use git in the command line or a GUI tool to deploy this app.

Install the Heroku CLI

Download and install the Heroku CLI.

If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key.

```
$ heroku login
```

Create a new Git repository

Initialize a git repository in a new or existing directory

```
$ cd my-project/
$ git init
$ heroku git:remote -a my-first-api-h2s
```

Deploy your application

Commit your code to the repository and deploy it to Heroku using Git.

```
$ git add .
$ git commit -am "make it better"
$ git push heroku master
```

Existing Git repository

For existing repositories, simply add the `heroku` remote

```
$ heroku git:remote -a my-first-api-h2s
```