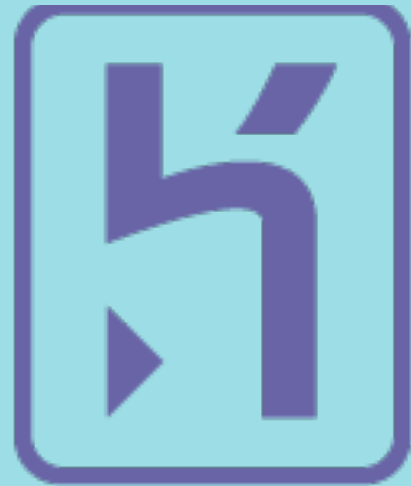# Objectives

- Understand what Heroku is

- Install Heroku on the Command Line

- Be able to create a Heroku Application via Command Line

- Be able to push server-side application to Heroku

Heroku

- Polyglot

- Builds app with little configuration

- works with git

- Free! (ish..)

Some Vocab

- Heroku - cloud application platform

- Build - The action of launching an application

- Package.json - the build instructions including dependencies that need to be installed for application to work

- Procfile - list process types. Named commands that you may want executed

- Slug - bundle of your source, fetched dependencies, the

More Vocab

- Buildpacks - lie behind the slug compilation process. Buildpacks take your application, its dependencies, and the language runtime, and produce slugs.

- Config vars - customizable configuration data that can be changed independently of your source code. The configuration is expose to a running application via environment variables.

- Add-ons - third party, specialized, value-added cloud services that can be easily attached to an application,

Last one..

-Dynos - During are isolated, virtualized Unix containers, that provide the environment required to run an application.

Cool, that was a lot of vocab! But what does that really mean and how is this relevant?

1. The source code for your application (your application's code)

2. Dependency file depending on the language you are using (as mentioned above) (Package.json)

3. File informing the platform as to which parts of your application are runnable (Procfile)
   Caveat: Heroku will automatically default your application to a web dyno. Which would be the only thing you would need to specify in your app using Node.js. So You don't actually need one at this point in time!

Together Let's Do This!

To install the Heroku CLI with homebrew:

```
$ brew install heroku/brew/heroku
```

```
$ heroku login
Enter your Heroku credentials.
Email: adam@example.com
Password (typing will be hidden):
Authentication successful.
```

To verify your CLI installation use the `heroku --version` command.

```
$ heroku --version
```

Now let's go to heroku.com

And Get Ready To Create A Checklist

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