heroku-java-buildpack-example (0.0.1)

Maksim Kostromin

Version 0.0.1, 2018-06-11 18:21:47 EEST

Table of Contents

Travis CI status:

GitLab CI status:

PDF:

Chapter 1. Introduction

Chapter 2. development

run locally

```
./gradlew
java -jar build/libs/*.jar --spring.profiles.active=dev
SPRING_PROFILES_ACTIVE=dev bash build/libs/*.jar

./mvnw
java -Dspring.profiles.active=dev -jar target/*.jar
bash target/*.jar

./mvnw; ./mvnw com.dkanejs.maven.plugins:docker-compose-maven-plugin:1.0.1:up
./mvnw com.dkanejs.maven.plugins:docker-compose-maven-plugin:1.0.1:down
```

Chapter 3. production

prepare heroku.yml

```
# default java build pack will use maven wrapper command: `./mvnw clean innstall`
build:
  languages:
    - java
run:
  web: java -Dspring.profiles.active=dev -jar target/*.jar
```

install heroku cli

```
brew install heroku
```

register in heroku.com and login

```
heroku login
```

create heroku app (in my case it's daggerok-java-buildpack)

```
heroku create daggerok-java-buildpack
```

customize java/maven versions: create file system.properties with content:

```
java.runtime.version=1.8
maven.version=3.5.3
```

configure application:

```
heroku config:set APP_BASE_URL=https://daggerok-java-buildpack.herokuapp.com
heroku config:set SPRING_PROFILES_ACTIVE=dev

# output:
# Setting APP_BASE_URL and restarting   daggerok-java-buildpack... done, v5
# APP_BASE_URL: https://daggerok-java-buildpack.herokuapp.com
```

deploy dev version first (using H2 inmemory database)

```
git remote -v | grep heroku
git add .
git commit -am "First blood: prepare heroku development deployment."
git push heroku master
open https://daggerok-java-buildpack.herokuapp.com
heroku logs -t
```

for production (heroku) version add postgres database

```
heroku addons:create heroku-postgresql:hobby-dev
```

now let's switch out spring-boot app to production prpofile which is using postgres database:

```
heroku config:set SPRING_PROFILES_ACTIVE=prod
heroku logs -t
# verifu log contains: The following profiles are active: prod,app,spring-boot,data-
jpa
```

link:

- heroku java buildpack

generated by generator-jvm yeoman generator (java-spring-boot)

Chapter 4. Implementation