

# heroku-gradle-buildpack-example (0.0.1)

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Travis CI status:

GitLab CI status:

PDF:

# Chapter 1. Introduction

# Chapter 2. migrate from maven to gradle (heroku only)

*install heroku cli, register (if has no account) and login*

```
brew install heroku
heroku login
```

*clone my heroku maven (java buildpack) example project which has already prepared gradle stuff*

```
git clone https://github.com/daggerok/heroku-java-buildpack-example.git
rm -rf .git .mvn mvnw* pom.xml heroku.yml
```

*add required heroku-gradle setup*

```
echo "task stage(dependsOn: 'build')" >> build.gradle
```

*create heroku app and deploy to it with development profile*

```
git init .
heroku create daggerok-gradle-buildpack

echo "web: SPRING_PROFILES_ACTIVE=dev ./build/libs/*.jar" > Procfile
git add .
git commit -am "First blood!"
git push heroku master

heroku logs -t
# find output: The following profiles are active: dev,spring-boot,data-jpa
```

key points here (if you just create app from scratch):

- you need prepare gradle **stage** task for build

```
echo "task stage(dependsOn: 'build')" >> build.gradle
```

- you need prepare Procfile with bash application startup command (in our case it's: **./build/libs/\*.jar**)

```
echo "web: SPRING_PROFILES_ACTIVE=dev ./build/libs/*.jar" > Procfile
```

- you need install gradle wrapper in your project

```
gradle wrapper  
git add -f gradle*  
git commit -am "Add gradle wrapper"
```

# Chapter 3. going production

*for production (heroku) version add postgres database*

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

*now let's configure correct heroku URL and switch spring-boot app to production prprofile which is using postgres database:*

```
echo "web: SPRING_PROFILES_ACTIVE=prod APP_BASE_URL=https://daggerok-gradle-  
buildpack.herokuapp.com ./build/libs/*.jar" > Procfile  
git add .  
git commit -am "Setup right heroku application environment variables"  
git push heroku master
```

*just FYI*

```
git remote -v  
heroku https://git.heroku.com/daggerok-gradle-buildpack.git (fetch)  
heroku https://git.heroku.com/daggerok-gradle-buildpack.git (push)
```

link:

- [Getting Started with Gradle on Heroku](#)
- [Heroku Gradle documentation](#)
- [heroku buildpack gradle](#)
- [Gradle heroku buildpack example project](#)

generated by [generator-jvm](#) yeoman generator (java-spring-boot)

# Chapter 4. Implementation