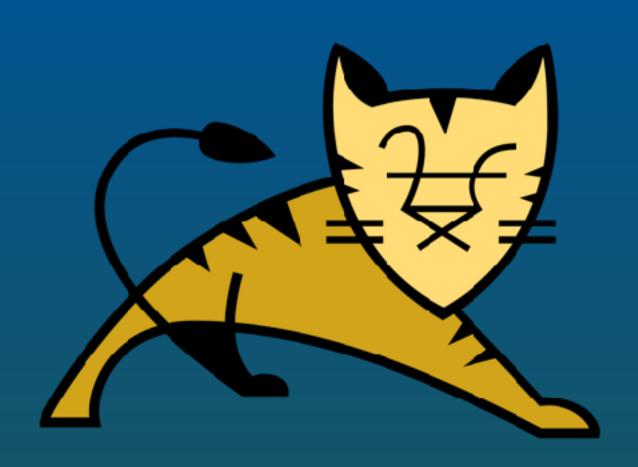




# Web Deployment Web Engineering Prof. D. König



# Deployment Option 1

grailsw war

upload war file to Java web server, e.g. Tomcat

# Deployment Option 2

#### gradlew stage

upload self-starting application to a Platformas-a-Service (PaaS) provider, e.g. Heroku

## Preparation

in /build.gradle
task copyDistToHerokuUp
adapt build/install/WebEngineering/
to build/install/<yourProjectName>/

# gradlew stage

assembles the app distribution copies it ../heroku-up (this is the app to deploy)

## Adaption

```
in ../heroku-up
add a file Procfile (no extension)
in that file, add the line (all on one line)
web: export JAVA_OPTS=-Dserver.port=$PORT; ./
bin/<yourProjectName>/
```

#### Heroku



Sign up for free under heroku.com
Follow the installation procedure
Note the coordinates (git repo, URL)

## Prepare Deployment

```
cd../heroku-up
heroku create // note the coordinates
git push heroku master
heroku ps:scale web=1
heroku open
```

#### Push a New Version

```
gradlew stage
cd ../heroku-up
git commit -am "my newest version ..."
git push heroku master
```

# Validating via git

```
git status // have I committed all files?
git remote -vv // what remotes do I have?
```

### Optional: Custom Domain

https://fhnw-webec.herokuapp.com

#### Web Atrocities

- Care for you data (download, backup)
- Data harvesting
- Data protection
- Forgetful data

#### Web Atrocities

- Denial of Service attacks, Spamming
- Proper Password handling, encryption
- Logging, Monitoring
- Localization formats, timezones, character encoding