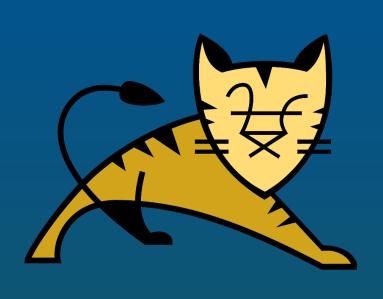




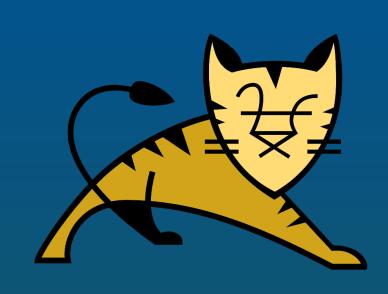
Web Deployment Web Engineering Prof. D. König



3 Deployment Options



upload war file to Java EE web server, e.g. Tomcat via manager-gui upload war file to a PaaS provider via CLI upload executable to an laaS provider



Preparation 1

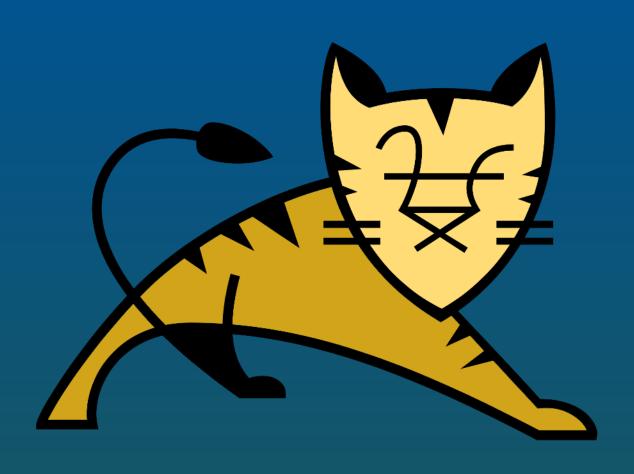


adapt grails-app/conf/application.yml production:

dataSource:

dbCreate: none create

only on first deployment!

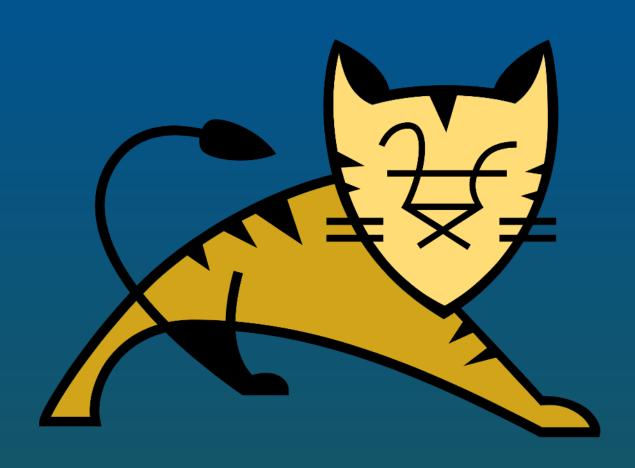


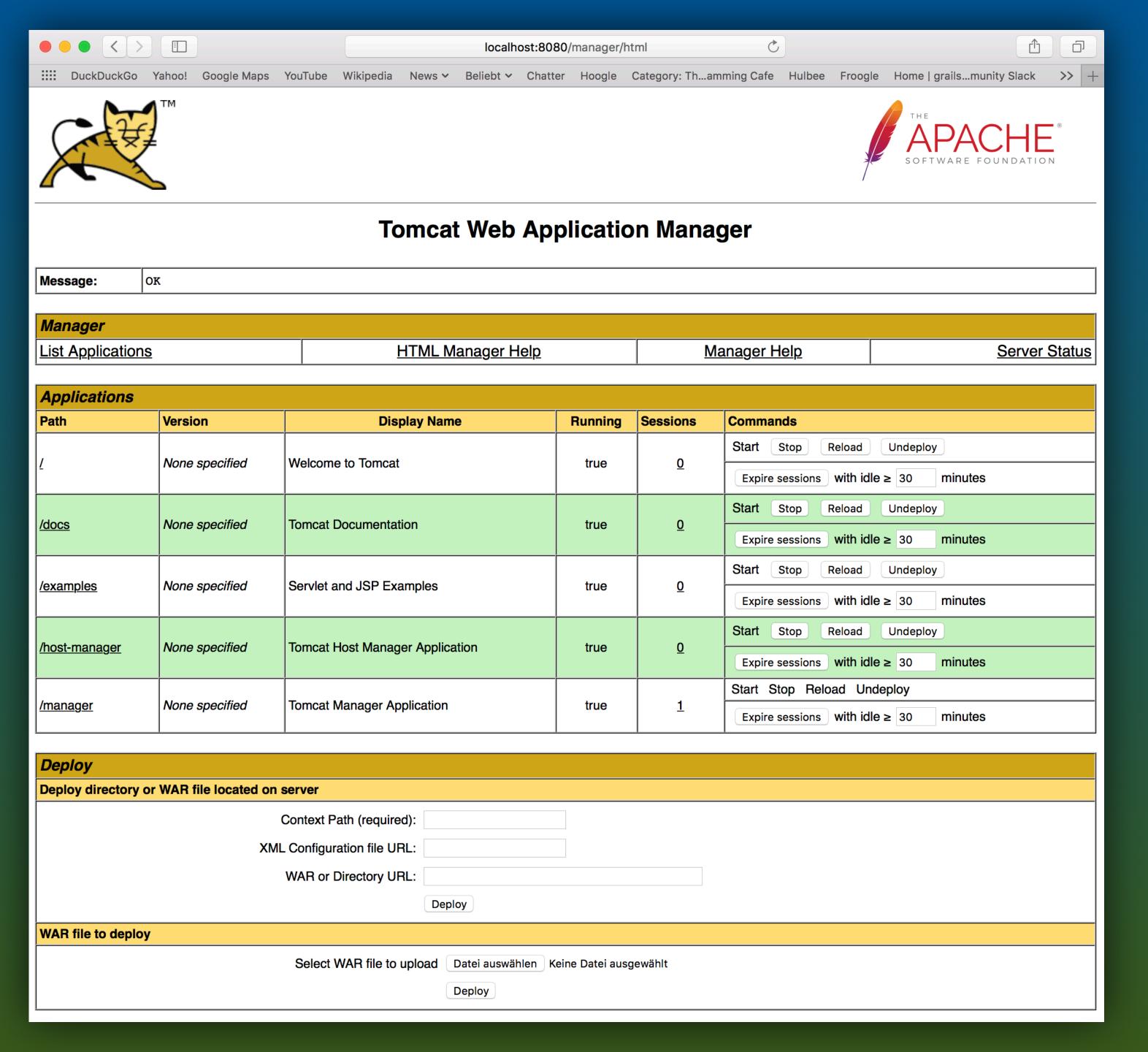
Deployment Option 1

grailsw war

-> build/libs/appname-version.war

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





Deployment Option 2

grailsw war

upload war file to a Platform-as-a-Service (PaaS) provider, e.g. Heroku, AWS, ... via command line interface (CLI) or web

Heroku



Sign up for free under heroku.com
Follow the CLI installation procedure
Create a new app through the web interface

Deploy from CLI

heroku login heroku plugins:install heroku-cli-deploy heroku war:deploy *file* --app *app-name*

https://devcenter.heroku.com/articles/wardeployment#deployment-with-the-heroku-cli

Deployment Option 3

gradlew stage

upload self-starting application to a Infrastructure-as-a-Service (IaaS) provider, e.g. Heroku

Preparation

```
in /build.gradle
task copyDistToHerokuUp
rename 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 your 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