



Groovy Academy



Fabian Förster

- Seit 1998 Entwickler
 - E-Post (seit ...)
- Schwerpunkt Java & Groovy
- Speaker by: Groovy ...

Sven Ehmann

- Seit 2003 Entwickler
 - Electric Paper
 - Brands4Friends (eBay)
 - E-Post (seit 10.2013)
- Schwerpunkt: Java & Scala & Groovy
- Meetup: „Agile Developer Berlin“



Agenda

- Goals
- „Was wollen wir nicht“
- Tools & Frameworks (Vorstellung & Übung)
 - GVM
 - Gradle
 - Lazybones, Ratpack
- Groovy Koans (Coding Session)
- Battleship (Coding Session)



Goals

- Mit Gradle ein Groovy Projekt aufsetzen
- Grundkenntnisse in Groovy
 - Sprachfeatures: JSON, Collections, ...
- Grundkenntnisse in Ratpack
 - Handler, Modul-Binding, ...
- Web-App Battleship
- Testen mit Spock



„Was wollen wir nicht“

- Bashing
Java8 <> Groovy <> Scala
- Bashing
Play <> Ratpack
- Groovy: optional typed and dynamic



GVM

GVM is a command line tool for managing parallel Versions of multiple Software Development Kits on most Unix based systems.



GVM

- GVM install

curl -s get.gvmtool.net | bash

- Gradle install

gvm install gradle

gvm list gradle

See all possible versions, current installed version and as default set version

gvm install gradle 2.2

gvm use gradle 2.2

switch the candidate version for the current shell only.

gvm default gradle 2.2

switch permanent to version

gvm uninstall gradle 2.2



GVM

- Other helpfull GVM commands:

gvm current

To see what is currently in use for all candidates

gvm help

- GVM uninstall

rm -rf ~/.gvm

remove from ~/.bashrc, ~/.profile and ~/.zshrc

#THIS MUST BE AT THE END OF THE FILE FOR GVM TO WORK!!!

[[-s "/home/sven/.gvm/bin/gvm-init.sh"]] && source "/home/sven/.gvm/bin/gvm-init.sh"



Gradle

- Gradle install

- Download binary only distribution: <http://gradle.org/gradle-download/>
- Unpacking
- export GRADLE_HOME to the path that you unpack binary and add GRADLE_HOME/bin to your PATH variable
- check install by: *gradle -v*
- additional options can be set within GRADLE_OPTS



Ratpack

Simple, lean & powerful library to build HTTP apps. Built on Java and the Netty event-driven networking engine. The API is optimized for Groovy and Java 8.



Lib's & Frameworks

GVM

<http://gvmtool.net/>

Gradle(Wrapper)

<https://docs.gradle.org/current/userguide>

https://docs.gradle.org/current/userguide/gradle_wrapper.html

Groovy

<http://groovy-lang.org/>

<http://groovy-lang.org/documentation.html>



Lib's & Frameworks

Ratpack

<http://ratpack.io>

<https://github.com/ratpack/hands-on-ratpack>

<https://github.com/ratpack/example-ratpack-gradle-groovy-app>

<https://github.com/ratpack>

Ratpack with Lazybones

<https://github.com/pledbrook/lazybones>

http://ratpack.io/manual/current/quick-start.html#using_lazybones_project_templates

Angular

<https://angularjs.de/artikel/angularjs-tutorial-deutsch>

<http://campus.codeschool.com/courses/shaping-up-with-angular-js/contents>



Danke