



J-Spring

16 april 2008 Spant! - Bussum



Groovy en Grails een introductie

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Over mijzelf

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Grails Quick start

- DEMO



Grails Doelstelling



- Hoog-productiviteits Web framework voor het Java platform
- Herbruik bewezen technologieën
- Lage leercurve
- Bied documentatie voor die delen van het framework die voor zijn gebruikers van belang zijn.
- Versimpel die onderdelen die vaak complex en inconsistent zijn:
 - Krachtig en consistent persistency framework.
 - Krachtige en makkelijk te gebruiken view templates die gebruik maken van GSP (Groovy Server Pages).
 - Dynamische tag libraries om gemakkelijk web componenten te creëren.
 - Goede Ajax support die gemakkelijk uit te breiden en aan te passen is.
- Lever 'sample apps' die de kracht van het framework aantonen.
- Volwaardige ontwikkel omgeving, inclusief een Webserver en automatische reload van resources.



Grails de Bouwstenen

- Spring (IoC, Spring MVC, WebFlow, ...)
- Hibernate (krachtige ORM)
- Sitemesh (flexibel layout framework)
- Groovy (perfecte integratie met Java)



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Groovy



- **agile and dynamic language** for the **JVM**
- **Java** but has **additional power features** inspired by languages like Python, Ruby and Smalltalk
- **modern programming features** with **almost-zero learning curve**
- supports **Domain-Specific Languages** and other compact syntax so your code becomes **easy to read and maintain**
- increases developer productivity by **reducing scaffolding code** when developing web, GUI, database or console applications
- **simplifies testing** by supporting unit testing and mocking out-of-the-box
- seamlessly **integrates with all existing Java objects and libraries**
- **compiles** straight to **Java bytecode** so you can use it anywhere you can use Java

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Groovin'



- "Groovy is like a super version of Java. It can leverage Java's enterprise capabilities but also has cool productivity features like closures, builders and dynamic typing. If you are a developer, tester or script guru, you have to love Groovy."



Grails Project Structuur

- DEMO



Grails Constraints

- blank
- creditCard
- email
- inList
- matches
- max
- min
- notEqual
- nullable
- Range
- scale
- unique
- url
- Validator (custom closure)

```
static constraints = {  
    login(size:5..15,blank:false,unique:true)  
    password(size:5..15,blank:false)  
    email(email:true,blank:false)  
    age(min:new Date(),nullable:false)  
}
```

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GORM

- De ORM van Grails
- Onder water Hibernate 3
- .save / .get / .delete
- 1:1 / 1:n / n:m
- static belongsTo



Relaties

- DEMO



Dynamic Finder Methods

```
def results = Book.findByTitle("The Stand")

results = Book.findByTitleLike("Harry Pot%")

results = Book.findByReleaseDateBetween
              (firstDate, secondDate)

results = Book.findByReleaseDateGreaterThan(someDate)

Book.findByTitleLikeOrReleaseDateLessThan
      ("%Grails%", someDate)

//Find by relationship
  Book.findAllByAuthor(Author.get(1))

//Affect sorting
  Book.findAllByAuthor(me, [sort:'title',order:'asc'])
```



Plugin Architectuur

- 15 april 2008: 65 plugins
 - Testing
 - Rich Client/Ajax Plugins
 - Chart Plugins
 - Web Services Plugins
 - Performance / Utility Plugins
 - Scheduling Plugins
 - Security Plugins
 - Web Design Plugins
 - Search
 - Scaffolding / Templating / Binding plugins
 - Persistence Plugins
 - Functionality plugins
 - Other Frameworks
 - Database Change Tracking
 - LDAP
 - Report



RichUI plugin

- DEMO



Grails Taglibs

- Dynamische Tag Libraries
- Tags zijn weer **fun!**
- “grails create-taglib”
- Simpelweg een *TagLib.groovy file in grails-app/taglib
- Net zoals GSP's & Controllers: geen server restart!

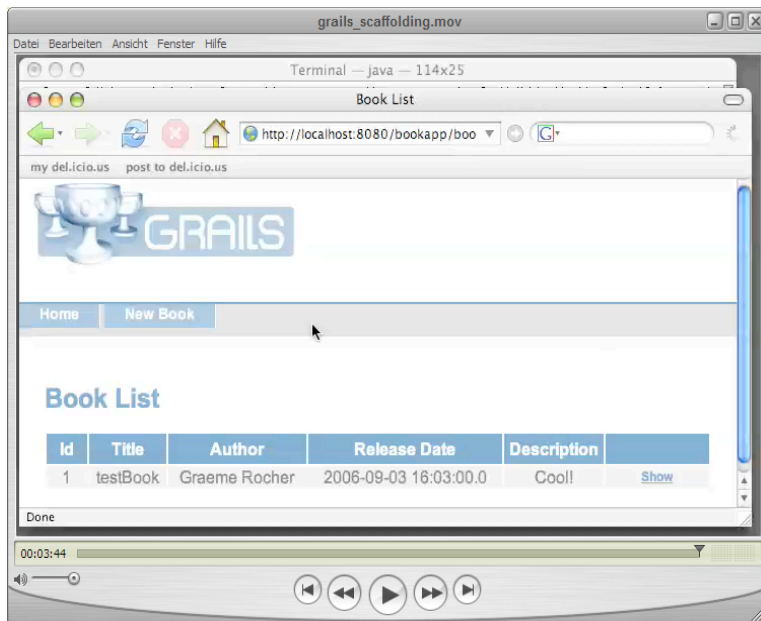


Sitemesch layout

- DEMO



Kijken!



- Op dit moment 4 screencasts
 - Scaffolding
 - Directory Structure
 - Webtest
 - Taglibs

<http://www.grails.org/Grails+Screencasts>

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Luisteren!

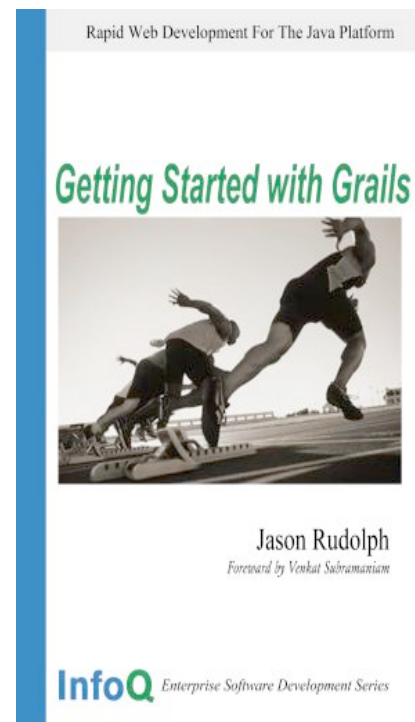
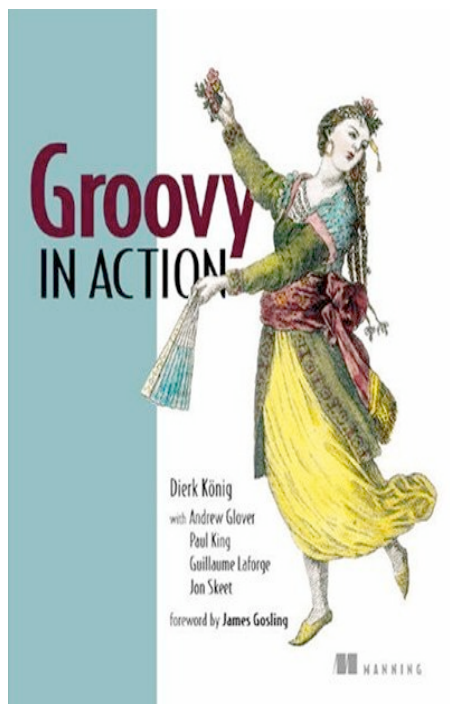
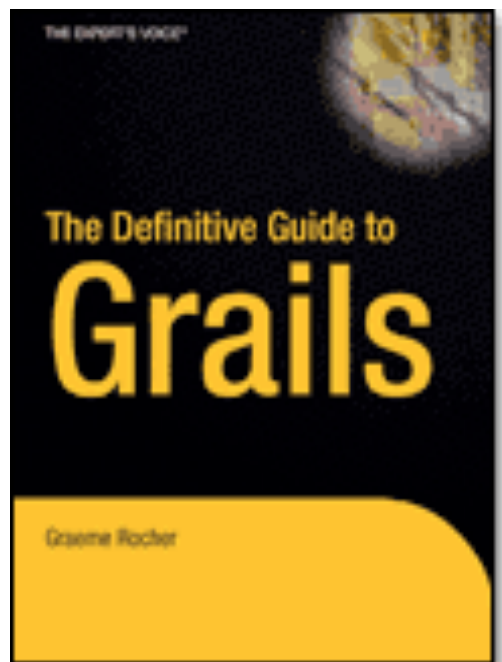


- Grails Podcast
- Weekly Show
- Grails News
- Grails Features
- Interviews
- Agile Development

<http://hansamann.podspot.de/rss>



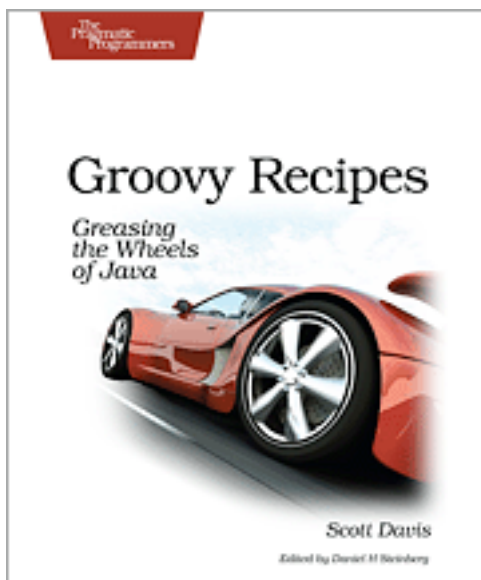
Lezen!



- **The Definitive Guide To Grails**
- **Graeme Rocher**
- **Apress**
- **Groovy in Action**
- **Dierk König and others**
- **Manning**
- **Getting Started with Grails**
- **Jason Rudolph**
- **InfoQ**



Winnen!



50 exemplaren bij:



- **Groovy Recipes**
- **Scott Davis**
- **Pragmatic Bookshelf**



Q&A

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