



# Grails

## IN ACTION

SECOND EDITION

Glen Smith  
Peter Ledbrook

Foreword by Dierk König

 HANNING

# Grails In Action Second Edition

**Cédric Champeau, Dierk Koenig, Hamlet  
D'Arcy, Paul King**

## **Grails In Action Second Edition:**

Grails in Action, Second Edition Glen Smith, 2014      *Grails in Action* Peter Ledbrook, Glen Smith, 2014-06-10 Summary

Grails in Action Second Edition is a comprehensive introduction to Grails 2 focused on making you super productive fast In this totally revised new edition you ll master Grails 2 3 core skills as you apply TDD techniques to developing a full scale Twitter clone Along the way you ll learn the latest single page web app UI techniques work with NoSQL backends integrate with enterprise messaging and implement a complete RESTful API for your services Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology It may be time for you to stop reconfiguring rewriting and recompiling your Java web apps Grails a Groovy powered web framework hides all that busy work so you can concentrate on what your applications do not how they re built In addition to its famously intuitive dev environment and seamless integration with Spring and Hibernate the new Grails 2 3 adds improved REST support better protection against attacks from the web and better dependency resolution About the Book Grails in Action Second Edition is a comprehensive introduction to Grails 2 In this totally revised edition you ll master Grails as you apply TDD techniques to a full scale example a Twitter clone Along the way you ll learn single page web app techniques work with NoSQL back ends integrate with enterprise messaging implement a RESTful API and more No Java or Groovy knowledge is required Some web development and OOP experience is helpful What s Inside Covers Grails 2 3 from the ground up Agile delivery and testing using Spock How to use and manage plugins Tips and tricks from the trenches About the Authors There s no substitute for experience Glen Smith and Peter Ledbrook have been fixtures in the Grails community contributing code blogging and speaking at conferences worldwide since Grails 0 2 Table of Contents PART 1 INTRODUCING GRAILS Grails in a hurry The Groovy essentials PART 2 CORE GRAILS Modeling the domain 63 Creating the initial UI Retrieving the data you need Controlling application flow Services and data binding Developing tasty forms views and layouts PART 3 EVERYDAY GRAILS Building reliable applications Using plugins just add water Protecting your application Exposing your app to other programs Single page web applications and other UI stuff Understanding Spring and transactions PART 4 ADVANCED GRAILS Understanding events messaging and scheduling NoSQL and Grails Beyond compile test run Grails in the cloud BONUS ONLINE CHAPTERS Advanced GORM kung fu Developing plugins      Groovy in Action Cédric Champeau, Dierk Koenig, Hamlet D'Arcy, Paul King, 2015-06-03 Summary Groovy in Action Second Edition is a thoroughly revised comprehensive guide to Groovy programming It introduces Java developers to the dynamic features that Groovy provides and shows how to apply Groovy to a range of tasks including building new apps integration with existing code and DSL development Covers Groovy 2 4 Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology In the last ten years Groovy has become an integral part of a Java developer s toolbox Its comfortable common sense design seamless integration with Java and rich ecosystem that includes the Grails web

framework the Gradle build system and Spock testing platform have created a large Groovy community About the Book Groovy in Action Second Edition is the undisputed definitive reference on the Groovy language Written by core members of the Groovy language team this book presents Groovy like no other can from the inside out With relevant examples careful explanations of Groovy s key concepts and features and insightful coverage of how to use Groovy in production tasks including building new applications integration with existing code and DSL development this is the only book you ll need Updated for Groovy 2 4 Some experience with Java or another programming language is helpful No Groovy experience is assumed What s Inside Comprehensive coverage of Groovy 2 4 including language features libraries and AST transformations Dynamic static and extensible typing Concurrency actors data parallelism and dataflow Applying Groovy Java integration XML SQL testing and domain specific language support Hundreds of reusable examples About the Authors Authors Dierk König Paul King Guillaume Laforge Hamlet D Arcy C dric Champeau Erik Pragt and Jon Skeet are intimately involved in the creation and ongoing development of the Groovy language and its ecosystem Table of Contents PART 1 THE GROOVY LANGUAGE Your way to Groovy Overture Groovy basics Simple Groovy datatypes Collective Groovy datatypes Working with closures Groovy control structures Object orientation Groovy style Dynamic programming with Groovy Compile time metaprogramming and AST transformations Groovy as a static language PART 2 AROUND THE GROOVY LIBRARY Working with builders Working with the GDK Database programming with Groovy Working with XML and JSON Interacting with Web Services Integrating Groovy PART 3 APPLIED GROOVY Unit testing with Groovy Concurrent Groovy with GParc Domain specific languages The Groovy ecosystem

**Flex on Java** Bernerd Allmon,Jeremy Anderson,2010-10-14 Unlike many Flex books that presume readers want to develop applications from scratch Flex on Java is for developers in the real world where Flex is one more technology being added to existing systems developed in Java and where integration is the key indicator of success Written for Java developers beginning to use Flex Flex on Java shows how to use Flex alongside existing Java applications and how to integrate Flex using familiar server side technologies such as Spring EJBs JMS and more The authors both Agile development experts focus on Agile and test driven development to enable readers to redesign applications that deliver more value and with zero defects Throughout the book readers will apply these techniques to refactoring a single application into a rich internet application using Flex and the BlazeDS framework Purchase of the print book comes with an offer of a free PDF ePub and Kindle eBook from Manning Also available is all code from the book

**Web Scalability for Startup Engineers** Artur Ejsmont,2015-07-03 This invaluable roadmap for startup engineers reveals how to successfully handle web application scalability challenges to meet increasing product and traffic demands Web Scalability for Startup Engineers shows engineers working at startups and small companies how to plan and implement a comprehensive scalability strategy It presents broad and holistic view of infrastructure and architecture of a scalable web application Successful startups often face the challenge of scalability and the core concepts driving a scalable architecture are language and

platform agnostic The book covers scalability of HTTP based systems websites REST APIs SaaS and mobile application backends starting with a high level perspective before taking a deep dive into common challenges and issues This approach builds a holistic view of the problem helping you see the big picture and then introduces different technologies and best practices for solving the problem at hand The book is enriched with the author s real world experience and expert advice saving you precious time and effort by learning from others mistakes and successes Language agnostic approach addresses universally challenging concepts in Web development scalability does not require knowledge of a particular language Fills the gap for engineers in startups and smaller companies who have limited means for getting to the next level in terms of accomplishing scalability Strategies presented help to decrease time to market and increase the efficiency of web applications

**Grails** Richard Gilliam, Martin Harry Greenberg, Edward E. Kramer, 1994 A collection of 29 stories on alternate worlds The settings range from heaven to the Ottoman Empire to the Amazon to death row The protagonists include women knights Nazis the Wandering Jew and migrant farm workers

*Learn Java for Web Development* Vishal Layka, 2014-02-15 AngularJS is the leading framework for building dynamic JavaScript applications that take advantage of the capabilities of modern browsers and devices AngularJS which is maintained by Google brings the power of the Model View Controller MVC pattern to the client providing the foundation for complex and rich web apps It allows you to build applications that are smaller faster and with a lighter resource footprint than ever before Best selling author Adam Freeman explains how to get the most from AngularJS He begins by describing the MVC pattern and the many benefits that can be gained

**Forthcoming Books** Rose Army, 2003 **Design Issues** , 2008 *Publish!* , 1999 **The Public Relations Journal** , 1974 *TLLS, the Times Literary Supplement* , 1995 [The Mammoth Book of Best New Horror](#) Stephen Jones, Ramsey Campbell, 1997 **Books in Print Supplement** , 2002 *Subject Guide to Books in Print* , 1997 *The Definitive Guide to Grails* Graeme Rocher, Jeff Scott Brown, 2009-02-19 The rise of Ruby on Rails has signified a huge shift in how we build web applications today it is a fantastic framework with a growing community There is however space for another such framework that integrates seamlessly with Java Thousands of companies have invested in Java and these same companies are losing out on the benefits of a Rails like framework Enter Grails Grails is not just a Rails clone It aims to provide a Rails like environment that is more familiar to Java developers and employs idioms that Java developers are comfortable using making the adjustment in mentality to a dynamic framework less of a jump The concepts within Grails like interceptors tag libs and Groovy Server Pages GSP make those in the Java community feel right at home Grails foundation is on solid open source technologies such as Spring Hibernate and SiteMesh which gives it even more potential in the Java space Spring provides powerful inversion of control and MVC Hibernate brings a stable mature object relational mapping technology with the ability to integrate with legacy systems and SiteMesh handles flexible layout control and page decoration Grails complements these with additional features that take advantage of the coding by convention paradigm such as

dynamic tag libraries Grails object relational mapping Groovy Server Pages and scaffolding Graeme Rocher Grails lead and founder and Jeff Brown bring you completely up to date with their authoritative and fully comprehensive guide to the Grails framework You ll get to know all the core features services and Grails extensions via plug ins and understand the roles that Groovy and Grails are playing in the changing Web [Groovy In Action](#) James Gosling,2007-04 Groovy in Action introduces Groovy by example presenting lots of reusable code while explaining the underlying concepts Java developers new to Groovy find a smooth transition into the dynamic programming world Groovy experts gain a solid reference that challenges them to explore Groovy deeply and creatively Groovy in Action is a fast paced tutorial covering the Groovy language and how and when to apply it Java developers will master Groovy s enhancements to Java such as builders template engines and support for regular expressions and database programming The book includes dozens of practical examples It provides tips and tricks for daily work unit testing build support and even scripting Windows

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