Grails
IN ACTION

SECOND EDITION

Glen Smith
Peter Ledbrook

FOREWORD BY Dierk König

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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   **Programming Grails** Burt Beckwith,2013-04-23 Dig deeper into Grails architecture and discover how this application framework works its magic Written by a core developer on the Grails team this practical guide takes you behind the curtain to reveal the inner workings of its 2 0 feature set You ll learn best practices for building and deploying Grails applications including performance security scaling tuning debugging and monitoring Understand how Grails integrates with Groovy Spring Hibernate and other JVM technologies and learn how to create and use plugins to augment your application s functionality Once you know how Grails adds behavior by convention you can solve problems more easily and develop applications more intuitively Write simpler

more powerful code with the Groovy language Manage persistence in Grails using Hibernate or a NoSQL datastore Learn how Grails uses Spring s functionality and optional modules Discover how Hibernate handles details for storing and retrieving data Integrate technologies for messaging mail creating web services and other JEE technologies Bypass convention and configure Grails manually Learn a general approach to upgrading applications and plugins Use Grails to develop and deploy IaaS and PaaS applications   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 K nig 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 GPars Domain specific languages The Groovy ecosystem   *GroovyMag November 2008* ,   **Practical JSF in Java EE 8** Michael Müller,2018-05-29 Master the Java EE 8 and JSF JavaServer Faces APIs and web framework with this practical projects driven guide to web development This book combines theoretical background with a practical approach by building four real world applications By developing these JSF web applications you

ll take a tour through the other Java EE technologies such as JPA CDI Security WebSockets and more In Practical JSF in Java EE 8 you will learn to use the JavaServer Faces web framework in Java EE 8 to easily construct a web based user interface from a set of reusable components Next you add JSF event handling and then link to a database persist data and add security and the other bells and whistles that the Java EE 8 platform has to offer After reading this book you will have a good foundation in Java based web development and will have increased your proficiency in sophisticated Java EE 8 web development using the JSF framework What You Will Learn Use the Java EE 8 and the JavaServer Faces APIs to build Java based web applications through four practical real world case studies Process user input with JSF and the expression language by building a calculator application Persist data using JSF templating and Java Persistence to manage an inventory of books Create and manage an alumni database using JSF Ajax web services and Java EE 8 s security features Who This Book Is For Those new to Java EE 8 and JSF Some prior experience with Java is recommended   **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   **Making Java Groovy** Kenneth Kousen,2013-09-18 Summary Making Java Groovy is a practical handbook for developers who want to blend Groovy into their day to day work with Java It starts by introducing the key differences between Java and Groovy and how you can use them to your advantage Then it guides you step by step through realistic development challenges from web applications to web services to desktop applications and shows how Groovy makes them easier to put into production About this Book You don t need the full force of Java when you re writing a build script a simple system utility or a lightweight web app but that s where Groovy shines brightest This elegant JVM based dynamic language extends and simplifies Java so you can concentrate on the task at hand instead of managing minute details and unnecessary complexity Making Java Groov is a practical guide for developers who want to benefit from Groovy in their work with Java It starts by introducing the key differences between Java and Groovy and how to use them to your advantage Then you ll focus on the situations you face every day like consuming and creating RESTful web services working with databases and using the Spring framework You ll also explore the great Groovy tools for build processes testing and deployment and learn how to write Groovy based domain specific languages that simplify Java development Written for developers familiar

with Java No Groovy experience required Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications What s Inside Easier Java Closures builders and metaprogramming Gradle for builds Spock for testing Groovy frameworks like Grails and Griffon About the Author Ken Kousen is an independent consultant and trainer specializing in Spring Hibernate Groovy and Grails Table of Contents PART 1 UP TO SPEED WITH GROOVY Why add Groovy to Java Groovy by example Code level integration Using Groovy features in Java PART 2 GROOVY TOOLS Build processes Testing Groovy and Java projects PART 3 GROOVY IN THE REAL WORLD The Spring framework Database access RESTful web services Building and testing web applications   **Learn Java for Web Development** Vishal Layka,2014-03-05 Web development is still one of today s most popular active and important programming and development activities From a single web page to an e commerce enabled web site to a fully fledged web application the Java programming language and its frameworks allow you great flexibility and productivity for your web application development Learn Java for Web Development teaches web developers who are new to Java key skills Java based languages and frameworks to build simple or complex web sites and applications As soon as you pick up this book Vishal Layka s experience guides you on a very practical learning and building journey You will learn the Java nuts and bolts necessary to build a simple HelloWorld Java native application as well as a HelloWorld Java based web application example that utilizes servlets and Java Server Pages JSPs Over the course of the book you ll learn more about servlets and JSPs and delve into Java Server Faces JSFs and the expression language found in each of these by applying them in a real world case study a book store e commerce application Then you ll build your web application using Apache Struts2 and the Spring MVC framework The book concludes by exploring the web application that you ve built and examining industry best practices and how these might fit with your application as well as covering alternative Java Web frameworks like Groovy Grails and Scala Play 2 You also can explore the basics of Java Groovy and Scala in the book s appendices While reading this book you ll see all this in action and you can use it as a starting point for further Java web development Study and experiment with the many source code examples and later apply them to your own web application building endeavors and 2 00 AM challenges   *Spring Boot in Action* Craig Walls,2015-12-16 Summary A developer focused guide to writing applications using Spring Boot You ll learn how to bypass the tedious configuration steps so that you can concentrate on your application s behavior Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Technology The Spring Framework simplifies enterprise Java development but it does require lots of tedious configuration work Spring Boot radically streamlines spinning up a Spring application You get automatic configuration and a model with established conventions for build time and runtime dependencies You also get a handy command line interface you can use to write scripts in Groovy Developers who use Spring Boot often say that they can t imagine going back to hand configuring their applications About the Book Spring Boot in Action is a developer focused guide to writing applications using Spring Boot In it

you ll learn how to bypass configuration steps so you can focus on your application s behavior Spring expert Craig Walls uses interesting and practical examples to teach you both how to use the default settings effectively and how to override and customize Spring Boot for your unique environment Along the way you ll pick up insights from Craig s years of Spring development experience What s Inside Develop Spring apps more efficiently Minimal to no configuration Runtime metrics with the Actuator Covers Spring Boot 1 3 About the Reader Written for readers familiar with the Spring Framework About the Author Craig Walls is a software developer author of the popular book Spring in Action Fourth Edition and a frequent speaker at conferences Table of Contents Bootstarting Spring Developing your first Spring Boot application Customizing configuration Testing with Spring Boot Getting Groovy with the Spring Boot CLI Applying Grails in Spring Boot Taking a peek inside with the Actuator Deploying Spring Boot applications APPENDIXES Spring Boot developer tools Spring Boot starters Configuration properties Spring Boot dependencies **Spring Persistence with Hibernate** Paul Fisher,Brian D. Murphy,2011-02-01 Persistence is an important set of techniques and technologies for accessing and transacting data and ensuring that data is mobile regardless of specific applications and contexts In Java development persistence is a key factor in enterprise e commerce and other transaction oriented applications Today the Spring framework is the leading out of the box solution for enterprise Java developers in it you can find a number of Java Persistence solutions This book gets you rolling with fundamental Spring Framework 3 concepts and integrating persistence functionality into enterprise Java applications using Hibernate the JavaTM Persistence API JPA 2 and the Grails Object Relational Mapping tool GORM Covers core Hibernate fundamentals demonstrating how the framework can be best utilized within a Spring application context Covers how to use and integrate JPA 2 found in the new Java EE 6 platform Covers how to integrate and use the new Grails persistence engine GORM **The Definitive Guide to Grails 2** Jeff Scott Brown,Graeme Rocher,2013-02-03 Grails is a full stack framework which aims to greatly simplify the task of building serious web applications for the JVM 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 2 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 Grails 1.1 Web Application Development Jon Dickinson,2009-05-27 Reclaiming Productivity for faster Java Web Development *Griffon in Action* Andres Almiray,Danno

Ferrin,2012-06-03 Summary Griffon in Action is a comprehensive tutorial written for Java developers who want a more productive approach to UI development After a quick Groovy tutorial you ll immediately dive into Griffon and start building examples that explore its high productivity approach to Swing development About the Technology You can think of Griffon as Grails for the desktop It is a Groovy driven UI framework for the JVM that wraps and radically simplifies Swing Its declarative style and approachable abstractions are instantly familiar to developers using Grails or JavaFX About the Book Griffon in Action gets you going quickly Griffon s convention over configuration approach requires minimal code to get an app off the ground so you can start seeing results immediately You ll learn how SwingBuilder and other Griffon builders provide a coherent DSL driven development experience Along the way you ll explore best practices for structure architecture and lifecycle of a Java desktop application Written for Java developers no experience with Groovy Grails or Swing is required 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 What s Inside Griffon from the ground up Full compatibility with Griffon 1 0 Using SwingBuilder and the other builders Practical real world examples Just enough Groovy Table of Contents PART 1 GETTING STARTED Welcome to the Griffon revolution A closer look at Griffon PART 2 ESSENTIAL GRIFFON Models and binding Creating a view Understanding controllers and services Understanding MVC groups Multithreaded applications Listening to notifications Testing your application Ship it Working with plugins Enhanced looks Griffon in front Grails in the back Productivity tools   *Agile Metrics in Action* Christopher Davis,2015-07-13 Summary Agile Metrics in Action is a rich resource for agile teams that aim to use metrics to objectively measure performance You ll learn how to gather data that really counts along with how to effectively analyze and act upon the results Purchase of the print book includes a free eBook in PDF Kindle and ePub formats from Manning Publications About the Book The iterative nature of agile development is perfect for experience based continuous improvement Tracking systems test and build tools source control continuous integration and other built in parts of a project lifecycle throw off a wealth of data you can use to improve your products processes and teams The question is how to do it Agile Metrics in Action teaches you how This practical book is a rich resource for an agile team that aims to use metrics to objectively measure performance You ll learn how to gather the data that really count along with how to effectively analyze and act upon the results Along the way you ll discover techniques all team members can use for better individual accountability and team performance Practices in this book will work with any development process or tool stack For code based examples this book uses Groovy Grails and MongoDB What s Inside Use the data you generate every day from CI and Scrum Improve communication productivity transparency and morale Objectively measure performance Make metrics a natural byproduct of your development process About the Author Christopher Davis has been a software engineer and team leader for over 15 years He has led numerous teams to successful delivery using agile methodologies Table of Contents PART 1 MEASURING AGILE TEAMS Measuring agile performance Observing a live project PART 2 COLLECTING AND

ANALYZING YOUR TEAM S DATA Trends and data from project tracking systems Trends and data from source control Trends and data from CI and deployment servers Data from your production systems PART 3 APPLYING METRICS TO YOUR TEAMS PROCESSES AND SOFTWARE Working with the data you re collecting the sum of the parts Measuring the technical quality of your software Publishing metrics Measuring your team against the agile principles   **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   Pro Spring Security Carlo Scarioni,2013-06-17 Security is a key element in the development of any non trivial application The Spring Security Framework provides a comprehensive set of functionalities to implement industry standard authentication and authorization mechanisms for Java applications Pro Spring Security will be a reference and advanced tutorial that will do the following Guides you through the implementation of the security features for a Java web application by presenting consistent examples built from the ground up Demonstrates the different authentication and authorization methods to secure enterprise level applications by using the Spring Security Framework Provides you with a broader look into Spring security by including up to date use cases such as building a security layer for RESTful web services and Grails applications   The National Corporation Reporter ,1914   GroovyMag December 2008 ,   *Advanced Groovy Programming: Comprehensive Techniques and Best Practices* Adam Jones,2024-12-13 Embark on an in depth exploration of Groovy with Advanced Groovy Programming Comprehensive Techniques and Best Practices This essential guide is perfect for both newcomers to Groovy and experienced Java developers seeking to enhance their expertise Dive into a detailed study of Groovy s advanced features and essential topics including metaprogramming AST transformations and more Advanced Groovy Programming emphasizes a hands on approach with practical examples engaging exercises and real world applications that facilitate learning and allow you to apply your newfound skills effectively Whether your focus is web development database integration sophisticated testing or crafting custom DSLs this book delivers the insights you need Discover Groovy s dynamic typing functional programming capabilities and seamless Java integration to craft concise readable and efficient code Delve into the language s distinctive features such as its streamlined syntax advanced collection operations and robust metaprogramming tools By the end of this comprehensive guide you ll be equipped with the knowledge and confidence to develop debug and deploy high quality Groovy applications Elevate your programming capabilities with Advanced Groovy Programming Comprehensive Techniques and Best Practices and emerge as a proficient Groovy programmer ready to meet any challenge with creativity and skill Begin your journey to mastering the intricacies of Groovy today and experience the unparalleled flexibility and power this language offers

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