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Beginning Groovy and Grails

From Novice to Professional

*A practical tutorial to agile web development
for the Java platform using Groovy and Grails.*



Christopher M. Judd,
Joseph Faisal Nusairat,
and James Shingler

Foreword by Graeme Rocher, Grails Project Lead

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Beginning Groovy and Grails Jim Shingler, Joseph Faisal Nusairat, Christopher M Judd, 2008-09-22 Web frameworks are playing a major role in the creation of today's most compelling web applications because they automate many of the tedious tasks allowing developers to instead focus on providing users with creative and powerful features Java developers have been particularly fortunate in this area having been able to take advantage of Grails an open source framework that supercharges productivity when building Java driven web sites Grails is based on Groovy which is a very popular and growing dynamic scripting language for Java developers and was inspired by Python Ruby and Smalltalk Beginning Groovy and Grails is the first introductory book on the Groovy language and its primary web framework Grails This book gets you started with Groovy and Grails and culminates in the example and possible application of some real world projects You follow along with the development of each project implementing and running each application while learning new features along the way

Beginning Groovy and Grails From Novice to Professional Christopher M. Judd, Joseph Faisal Nusairat, and James Shingler, **Beginning Groovy, Grails and Griffon** Christopher M Judd, Joseph Faisal Nusairat, Jim Shingler, Vishal Layka, 2013-03-12 Web frameworks are playing a major role in the creation of today's most compelling web applications because they automate many of the tedious tasks allowing developers to instead focus on providing users with creative and powerful features Java developers have been particularly fortunate in this area having been able to take advantage of Grails an open source framework that supercharges productivity when building Java driven web sites Grails is based on Groovy which is a very popular and growing dynamic scripting language for Java developers and was inspired by Python Ruby and Smalltalk Beginning Groovy Grails and Griffon is the first introductory book on the Groovy language and its primary web framework Grails Griffon is also covered While Grails is the Web framework for building Groovy Web applications Griffon is the desktop framework for building desktop Groovy applications Could Groovy be the new Java It's light fast and free open source This book gets you started with Groovy Grails and Griffon and culminates in the example and possible application of some real world projects You follow along with the development of each project implementing and running each application while learning new features along the way

Grails 2: A Quick-Start Guide Dave Klein, Ben Klein, 2013-12-12 Grails is a full stack web development framework that enables you to build complete web applications in a fraction of the time and with less code than other frameworks Grails uses the principle of convention over configuration and the dynamic Groovy programming language This revised and updated new edition shows you how to use Grails by iteratively building a unique working application By the time you're done you'll have built and deployed a real functioning website Using this hands on pragmatic approach you'll explore topics such as Ajax in Grails custom tags and plugins You'll dig into Grails powerful view technology Groovy Server Pages and see how you can easily leverage the help offered by scaffolding to create custom user interfaces faster than you would have thought possible Along the way you'll learn about domain classes controllers and GSP

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language This book covers Groovy fundamentals such as installing Groovy using Groovy tools and working with the Groovy Development Kit GDK You ll also learn more advanced aspects of Groovy such as using Groovy design patterns writing DSLs in Groovy and taking advantage of Groovy s functional programming features There is more to Groovy than the core language so Learning Groovy covers the extended Groovy ecosystem You ll see how to harness Gradle Groovy s build system Grails Groovy s web application framework Spock Groovy s testing framework and Ratpack Groovy s reactive web library What You ll Learn Grasp Groovy fundamentals including the GDK or Groovy Development Kit Master advanced Groovy such as writing Groovy DSLs Discover functional programming in Groovy Work with GPar s the built in concurrency library Use Gradle the build system Master Grails the web application framework Work with Spock the testing framework Harness Ratpack the reactive web library Who This Book Is For Although this book is intended for those with a Java background anyone with basic programming skills could benefit from it This book is a data filled yet easy to digest tour of the Groovy language and ecosystem

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 and Grails Recipes](#) Bashar Jawad,2008-11-01 Groovy and Grails Recipes is the busy developer s guide to developing applications in Groovy and Grails Rather than boring you with theoretical knowledge of yet another language framework this book delves straight into solving real life problems in Groovy and Grails using easy to understand well explained code snippets Through learning by example you will be able to pick up on Groovy and Grails quickly and use the book as an essential reference when developing 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 Koenig, Paul King, Guillaume Laforge, Hamlet D'Arcy, Cédric Champeau, Erik Pragt, and Jon Skeet are intimately involved in the creation and ongoing development of the Groovy language and its ecosystem.

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PART 3 APPLIED GROOVY Unit testing with Groovy, Concurrent Groovy with GPar, Domain-specific languages, The Groovy ecosystem.

Groovy and Grails Recipes Bashar Jawad, 2009-01-29. *Groovy and Grails Recipes* is the busy developer's guide to developing applications in Groovy and Grails. Rather than boring you with theoretical knowledge of yet another language framework, this book delves straight into solving real-life problems in Groovy and Grails using easy-to-understand, well-explained code snippets. Through learning by example, you will be able to pick up on Groovy and Grails quickly and use the book as an essential reference when developing applications.

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.

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Learning Groovy 3 Adam L. Davis, 2019-07-25 Start building powerful apps that take advantage of the dynamic scripting capabilities of the Groovy language including what s new in Groovy version 3.0 This book covers Groovy fundamentals such as installing Groovy using Groovy tools and working with the Groovy Development Kit GDK You ll also learn more advanced aspects of Groovy such as using Groovy design patterns writing DSLs in Groovy and taking advantage of Groovy s functional programming features Also Learning Groovy 3 has been updated to Groovy 3.0 to include the new Parrot parser which was extended to support additional syntax options and language features It also includes coverage of Groovydoc which allows you to embed Groovydoc comments in various ways And this book covers how Groovy supports Java type annotations and more There is more to Groovy than the core language so Learning Groovy 3 Second Edition covers the extended Groovy ecosystem You ll see how to harness Gradle Groovy s build system Grails Groovy s web application framework Spock Groovy s testing framework and Ratpack Groovy s reactive web library What You Will Learn Grasp Groovy fundamentals including the GDK Master advanced Groovy such as writing Groovy DSLs Discover functional programming in Groovy Work with GPars the built in concurrency library Use Gradle the build system Master Grails the web application framework Work with Spock the testing framework Harness Ratpack the reactive web library Who This Book Is For Those with a Java background though anyone with basic programming skills can benefit from it This book is a data filled yet easy to digest tour of the Groovy language and ecosystem

The Definitive Guide to Grails Graeme Keith Rocher, 2007-02-09 The aim of this book is to introduce one of those greener fields that is not so far from home In fact its roots are very much

embedded in the Java platform that we all know and love Grails could well be the web application framework that you've been searching for You will learn how to use the Groovy language with Grails to rapidly prototype applications develop dynamic tag libraries create rich domain models and provide reusable services The Search for the Holy Grail's The Groovy Language The Grails Project Infrastructure The Application Domain Scaffolding Testing Testing Testing Grails Controllers Groovy Server Pages Ajax Services and Jobs Java Integration **The Complete Juggler** Dave Finnigan,1992 **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 **Learning Groovy** Adam Davis,2016-03-02 A book to help programmers learn Groovy a flexible open source language built for the JVM Java Virtual Machine and the Groovy ecosystem This book covers Groovy basics the GDK advanced Groovy writing DSLs Gradle Grails Spock the test framework Ratpack the reactive web application library set and more

Unveiling the Power of Verbal Art: An Psychological Sojourn through **Beginning Groovy And Grails From Novice To Professional**

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Beginning Groovy And Grails From Novice To Professional Introduction

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