

The Definitive Guide To Grails 2 Definitive Guide Apress 1st First Edition By Scott Brown Jeff Rocher Graeme 2013

The Definitive Guide to Grails 2Grails Persistence with GORM and GSQLWeb Development with JavaJava Program DesignMaking Java GroovyBeginning JSP , JSF and Tomcat Web DevelopmentSpring Boot in ActionCucumber RecipesThe Definitive Guide to Grails 2The Definitive Guide to Building Java RobotsSpring 5 RecipesKotlin CookbookThe Definitive Guide to Windows InstallerGriffon in ActionGrailsThe Definitive Guide to JasperReportsThe Definitive Guide to Spring Web FlowApacheGroovy in ActionThe Definitive Guide to MongoDBJava Concurrency in PracticeLearning GroovyJenkins: The Definitive GuideLearning Groovy 3Spring DataGroovy and Grails RecipesPro JavaFX 2Getting Started with GrailsBeginning Groovy and GrailsGradle Effective Implementation GuideLinux Kernel NetworkingThe Definitive Guide to GrailsModern Java RecipesJenkins: The Definitive GuideThe Trader's Book of Volume: The Definitive Guide to Volume TradingProgramming GrailsBeginning RailsGrails in ActionGetting Started with RooGroovy for Domain-Specific Languages

The Definitive Guide to Grails 2

As the majority of Java developers are only Web-tier developers; Java technologies like JavaServer Pages (JSP), JavaServer Faces (JSF), and Apache Tomcat are mainly applicable and relevant to their needs. This comprehensive and user-friendly book is the first and maybe even the only starter-level work of its kind combining the naturally complimentary JSP, JSF and Tomcat Web technologies into one consolidated treatment for developers focusing on just Java Web application development and deployment. This book is examples-driven using practical, real-time e-commerce case studies and scenarios throughout.

Grails Persistence with GORM and GSQL

Streamline software development with Jenkins, the popular Java-based open source tool that has revolutionized the way teams think about Continuous Integration (CI). This complete guide shows you how to automate your build, integration, release, and deployment processes with Jenkins—and demonstrates how CI can save you time, money, and many headaches. Ideal for developers, software architects, and project managers, Jenkins: The Definitive Guide is both a CI tutorial and a comprehensive Jenkins reference. Through its wealth of best practices and real-world tips, you'll discover how easy it is to set up a CI service with Jenkins. Learn how to install, configure, and secure your Jenkins server Organize and monitor general-purpose build jobs Integrate automated tests to verify builds, and set up code quality reporting Establish effective team notification strategies and techniques Configure build pipelines, parameterized jobs, matrix builds, and other

advanced jobs Manage a farm of Jenkins servers to run distributed builds Implement automated deployment and continuous delivery

Web Development with Java

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

Java Program Design

Spring Roo goes a step beyond the Spring Framework by bringing true Rapid Application Development to Java—just as Grails has done with Groovy. This concise introduction shows you how to build applications with Roo, using the framework's shell as an intelligent and timesaving code-completion tool. It's an ideal RAD tool because Roo does much of the tedious code maintenance. You'll get started by building a simple customer relationship management application, complete with step-by-step instructions and code examples. Learn how to control any part of the application with Roo's opt-in feature, while using this open source framework to automate the rest of the code. Set up a Spring application and working Maven build to see Roo in action Address persistence with JPA and the Neo4j graph database—and learn how Roo supports NoSQL databases Use Roo's database reverse-engineering feature to generate a data model from an existing schema Build Roo applications with Spring MVC, Spring WebFlow, Google Web Toolkit, Vaadin, and other web frameworks Secure and test

your application

Making Java Groovy

This book not only teaches the necessary skill set to become a proficient Ruby on Rails developer, it also explains the theory needed for the developer to explore and learn on their own. The reader will not be burdened by yet another set of "hello world" and other mundane examples. In this text they will learn Ruby on Rails by creating real world projects; a task manager, RSS aggregator, a community manager similar to MySpace.com, and an Amazon based store. While the book covers the basics for beginners, it also offers more advanced tools, including Ajax and a detailed discussion of ActiveRecord and ActionPack.

Beginning JSP , JSF and Tomcat Web Development

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 GPar, 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.

Spring Boot in Action

This book covers the JavaOne award winning JasperReports tool at length. Written by JasperForge's Teodor Danciu, Founder and Architect JasperReport, this authoritative book: Shows the power that this open source Java reporting tool has and its

ability to deliver rich content onto the screen, to the printer, or into PDF, HTML, XLS, CSV and XML files Demonstrates how JasperReports can be used in a variety of Java-enabled applications, including Java EE or web applications, to generate dynamic content Teaches you how to create page-oriented, ready-to-print documents in a simple and flexible manner

Cucumber Recipes

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.

The Definitive Guide to Grails 2

Describes the history of the Web server platform and covers downloading and compiling, configuring and running the program on UNIX, writing specialized modules, and establishing security routines.

The Definitive Guide to Building Java Robots

Threads are a fundamental part of the Java platform. As multicore processors become the norm, using concurrency effectively becomes essential for building high-performance applications. Java SE 5 and 6 are a huge step forward for the development of concurrent applications, with improvements to the Java Virtual Machine to support high-performance, highly scalable concurrent classes and a rich set of new concurrency building blocks. In Java Concurrency in Practice , the creators of these new facilities explain not only how they work and how to use them, but also the motivation and design patterns behind them. However, developing, testing, and debugging multithreaded programs can still be very difficult; it is all too easy to create concurrent programs that appear to work, but fail when it matters most: in production, under heavy load. Java Concurrency in Practice arms readers with both the theoretical underpinnings and concrete techniques for building reliable, scalable, maintainable concurrent applications. Rather than simply offering an inventory of concurrency

APIs and mechanisms, it provides design rules, patterns, and mental models that make it easier to build concurrent programs that are both correct and performant. This book covers: Basic concepts of concurrency and thread safety Techniques for building and composing thread-safe classes Using the concurrency building blocks in `java.util.concurrent` Performance optimization dos and don'ts Testing concurrent programs Advanced topics such as atomic variables, nonblocking algorithms, and the Java Memory Model

Spring 5 Recipes

Provides information on using Grails to create applications and build an effective Web site.

Kotlin Cookbook

Linux Kernel Networking takes you on a guided in-depth tour of the current Linux networking implementation and the theory behind it. Linux kernel networking is a complex topic, so the book won't burden you with topics not directly related to networking. This book will also not overload you with cumbersome line-by-line code walkthroughs not directly related to what you're searching for; you'll find just what you need, with in-depth explanations in each chapter and a quick reference at the end of each chapter. Linux Kernel Networking is the only up-to-date reference guide to understanding how networking is implemented, and it will be indispensable in years to come since so many devices now use Linux or operating systems based on Linux, like Android, and since Linux is so prevalent in the data center arena, including Linux-based virtualization technologies like Xen and KVM.

The Definitive Guide to Windows Installer

This book jumps to the "good stuff" from the outset, allowing students to quickly start writing real applications. It introduces readers to a 3-tiered, Model-View-Controller architecture by using Hibernate, JSPs, and Java Servlets. This book uses existing powerful technologies such as JSP, JavaBeans, Annotations, JSTL, Java 1.5, Hibernate, Apache Velocity and Tomcat. It also presents Model 1 architectures using Servlets and JSP as alternatives to Perl and PHP. Written for novice developers, this book provides an introductory course in web development for undergraduates as well as web developers.

Griffon in Action

Grails is an open-source, rapid web application development framework that provides a super-productive full-stack programming model based on the Groovy scripting language and built on top of Spring, Hibernate, and other standard Java

frameworks. Ruby on Rails pioneered the innovative coupling of a powerful programming language and an opinionated framework that favors sensible defaults over complex configuration, but many organizations aren't yet ready to stray from the safety of Java or forgo their current Java investments. Grails makes it possible to achieve equivalent productivity in a Java-centric environment. Over the course of this book, the reader will explore the various aspects of Grails and also experience Grails by building a Grails app.

Grails

Solve all your Spring 5 problems using complete and real-world code examples. When you start a new project, you'll be able to copy the code and configuration files from this book, and then modify them for your needs. This can save you a great deal of work over creating a project from scratch. The recipes in Spring 5 Recipes cover Spring fundamentals such as Spring IoC container, Spring AOP/ AspectJ, and more. Other recipes include Spring enterprise solutions for topics such as Spring Java EE integration, Spring Integration, Spring Batch, Spring Remoting, messaging, transactions, and working with big data and the cloud using Hadoop and MongoDB. Finally, Spring web recipes cover Spring MVC, other dynamic scripting, integration with the popular Grails Framework (and Groovy), REST/web services, and more. You'll also see recipes on new topics such as Spring Framework 5, reactive Spring, Spring 5 microservices, the functional web framework and much more. This book builds upon the best-selling success of the previous editions and focuses on the latest Spring Framework features for building enterprise Java applications. What You'll Learn Get re-usable code recipes and snippets for core Spring, annotations and other development tools Access Spring MVC for web development Work with Spring REST and microservices for web services development and integration into your enterprise Java applications Use Spring Batch, NoSQL and big data for building and integrating various cloud computing services and resources Integrate Java Enterprise Edition and other Java APIs for use in Spring Use Grails code and much more Who This Book Is For Experienced Java and Spring programmers.

The Definitive Guide to JasperReports

Get a grounding in polymorphism and other fundamental aspects of object-oriented program design and implementation, and learn a subset of design patterns that any practicing Java professional simply must know in today's job climate. Java Program Design presents program design principles to help practicing programmers up their game and remain relevant in the face of changing trends and an evolving language. The book enhances the traditional design patterns with Java's new functional programming features, such as functional interfaces and lambda expressions. The result is a fresh treatment of design patterns that expands their power and applicability, and reflects current best practice. The book examines some well-designed classes from the Java class library, using them to illustrate the various object-oriented principles and patterns

under discussion. Not only does this approach provide good, practical examples, but you will learn useful library classes you might not otherwise know about. The design of a simplified banking program is introduced in chapter 1 in a non-object-oriented incarnation and the example is carried through all chapters. You can see the object orientation develop as various design principles are progressively applied throughout the book to produce a refined, fully object-oriented version of the program in the final chapter. What You'll Learn Create well-designed programs, and identify and improve poorly-designed ones Build a professional-level understanding of polymorphism and its use in Java interfaces and class hierarchies Apply classic design patterns to Java programming problems while respecting the modern features of the Java language Take advantage of classes from the Java library to facilitate the implementation of design patterns in your programs Who This Book Is For Java programmers who are comfortable writing non-object-oriented code and want a guided immersion into the world of object-oriented Java, and intermediate programmers interested in strengthening their foundational knowledge and taking their object-oriented skills to the next level. Even advanced programmers will discover interesting examples and insights in each chapter.

The Definitive Guide to Spring Web Flow

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

Apache

The Definitive Guide to MongoDB, Second Edition, is updated for the latest version and includes all of the latest MongoDB features, including the aggregation framework introduced in version 2.2 and hashed indexes in version 2.4. MongoDB is the most popular of the "Big Data" NoSQL database technologies, and it's still growing. David Hows from 10gen, along with experienced MongoDB authors Peter Membrey and Eelco Plugge, provide their expertise and experience in teaching you everything you need to know to become a MongoDB pro. What you'll learn Set up MongoDB on all major server platforms, including Windows, Linux, OS X, and cloud platforms like Rackspace, Azure, and Amazon EC2 Work with GridFS and the new aggregation framework Work with your data using non-SQL commands Write applications using either PHP or Python Optimize MongoDB Master MongoDB administration, including replication, replication tagging, and tag-aware sharding Who this book is for Database admins and developers who need to get up to speed on MongoDB and its Big Data, NoSQL approach to dealing with data management. Table of ContentsPart I: MongoDB Basics Ch. 1: Introduction to MongoDB Ch. 2: Installing MongoDB Ch. 3: The Data Model Ch. 4: Working with Data Ch. 5: GridFS Part II: Developing with MongoDB Ch. 6: PHP and MongoDB Ch. 7: Python and MongoDB Ch. 8: Advanced Queries Part III: Advanced MongoDB with Big Data Ch. 9: Database Administration Ch. 10: Optimization Ch. 11: Replication Ch. 12: Sharding

Groovy in Action

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

The Definitive Guide to MongoDB

In Pro JavaFX 2: A Definitive Guide to Rich Clients with Java Technology, Jim Weaver, Weiqi Gao, Stephen Chin, Dean Iverson, and Johan Vos show you how you can use the JavaFX platform to create rich-client Java applications. You'll see how JavaFX provides a powerful Java-based UI platform capable of handling large-scale data-driven business applications. Covering the JavaFX API, development tools, and best practices, this book provides code examples that explore the exciting new features provided with JavaFX 2. It contains engaging tutorials that cover virtually every facet of JavaFX development and reference materials on JavaFX that augment the JavaFX API documentation. Written in an engaging and friendly style, Pro JavaFX 2 is an essential guide to JavaFX 2.

Java Concurrency in Practice

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

Learning Groovy

Streamline software development with Jenkins, the popular Java-based open source tool that has revolutionized the way teams think about Continuous Integration (CI). This complete guide shows you how to automate your build, integration, release, and deployment processes with Jenkins—and demonstrates how CI can save you time, money, and many headaches. Ideal for developers, software architects, and project managers, Jenkins: The Definitive Guide is both a CI tutorial and a comprehensive Jenkins reference. Through its wealth of best practices and real-world tips, you'll discover how easy it is to set up a CI service with Jenkins. Learn how to install, configure, and secure your Jenkins server Organize and monitor general-purpose build jobs Integrate automated tests to verify builds, and set up code quality reporting Establish effective team notification strategies and techniques Configure build pipelines, parameterized jobs, matrix builds, and other advanced jobs Manage a farm of Jenkins servers to run distributed builds Implement automated deployment and continuous delivery

Jenkins: The Definitive Guide

Start building powerful apps that take advantage of the dynamic scripting capabilities of the Groovy 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, 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.

Learning Groovy 3

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. What you'll learn Discover how the Web is changing and the role the Groovy language and its Grails framework play Get to know the Grails Project and its domains, services, filters, controllers, views, testing, and plug-ins Experience the availability of plug-ins for Rich Client and Ajax, web services, performance/utilities, scheduling, security, functionality, and even Persistence See how Grails works with other frameworks like Spring, Wicket, Hibernate, and more Create custom plug-ins in Grails Who this book is for This book is for everyone who is looking for a more agile approach to web development with a dynamic scripting language such as Groovy. This includes a large number of Java developers who have been enticed by the productivity gains seen with frameworks such as Ruby on Rails, JRuby on Rails, etc. The Web and its environment is a perfect fit for easily adaptable and concise languages such as Groovy and Ruby, and there is huge interest from the developer community in general to embrace these languages.

Spring Data

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, Cédric 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

Groovy and Grails Recipes

You can choose several data access frameworks when building Java enterprise applications that work with relational databases. But what about big data? This hands-on introduction shows you how Spring Data makes it relatively easy to build applications across a wide range of new data access technologies such as NoSQL and Hadoop. Through several sample projects, you'll learn how Spring Data provides a consistent programming model that retains NoSQL-specific features and capabilities, and helps you develop Hadoop applications across a wide range of use-cases such as data analysis, event stream processing, and workflow. You'll also discover the features Spring Data adds to Spring's existing JPA and JDBC support for writing RDBMS-based data access layers. Learn about Spring's template helper classes to simplify the use of database-specific functionality Explore Spring Data's repository abstraction and advanced query functionality Use Spring Data with Redis (key/value store), HBase (column-family), MongoDB (document database), and Neo4j (graph database) Discover the GemFire distributed data grid solution Export Spring Data JPA-managed entities to the Web as RESTful web services Simplify the development of HBase applications, using a lightweight object-mapping framework Build example big-data pipelines with Spring Batch and Spring Integration

Pro JavaFX 2

Spring Web Flow is an exciting open-source framework for developing Java web applications. The framework improves productivity by addressing three major pain-points facing web application developers: user interface navigation control, state management, and modularity. The Definitive Guide to Spring Web Flow covers Spring Web Flow in detail by explaining its motivation and feature set, as well as providing practical guidance for using the framework to develop web applications successfully in a number of environments.

Getting Started with Grails

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.

Beginning Groovy and Grails

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.

Gradle Effective Implementation Guide

Extend and enhance your Java applications with Domain Specific Languages in Groovy.

Linux Kernel Networking

Use Kotlin to build Android apps, web applications, and more—while you learn the nuances of this popular language. With this unique cookbook, developers will learn how to apply this Java-based language to their own projects. Both experienced programmers and those new to Kotlin will benefit from the practical recipes in this book. Author Ken Kousen (Modern Java Recipes) shows you how to solve problems with Kotlin by concentrating on your own use cases rather than on basic syntax. You provide the context and this book supplies the answers. Already big in Android development, Kotlin can be used anywhere Java is applied, as well as for iOS development, native applications, JavaScript generation, and more. Jump in and build meaningful projects with Kotlin today. Apply functional programming concepts, including lambdas, sequences, and concurrency. See how to use delegates, lazy initialization, and scope functions. Explore Java interoperability and access Java libraries using Kotlin. Add your own extension functions. Use helpful libraries such as JUnit 5. Get practical advice for working with specific frameworks, like Android and Spring.

The Definitive Guide to Grails

You can test just about anything with Cucumber. We certainly have, and in Cucumber Recipes we'll show you how to apply our hard-won field experience to your own projects. Once you've mastered the basics, this book will show you how to get the most out of Cucumber--from specific situations to advanced test-writing advice. With over forty practical recipes, you'll test desktop, web, mobile, and server applications across a variety of platforms. This book gives you tools that you can use today to automate any system that you encounter, and do it well. The Cucumber Book showed you how your team can work together to write executable specifications--documents that tell a clear story and also happen to be working test code. We'll arm you with ready-rolled solutions to real-world problems: your tests will run faster, read more clearly, and work in any environment. Our first tips will help you fit Cucumber into your workflow. Powerful filters will tame tables full of test data, transforming them into the format your application needs. Custom output formatters will generate reports for any occasion. Continuous Integration servers will run your Cucumber tests every time the code changes. Next, you'll find recipes tailored to the platform you're running on. Ever wanted to know how to test a Grails app from Cucumber? Need to put a Windows program through its paces? How about a mobile app running on Android or iOS? We'll show you how to do all of these. Throughout the book, you'll see how to make Cucumber sing as you interoperate with different platforms, languages, and environments. From embedded circuits to Python and PHP web apps, Cucumber has something for you. What You Need: You'll need basic working knowledge of Cucumber and Ruby. Individual recipes may have additional requirements; for example, a recipe on Windows automation might pull in an open source GUI driver. We've written the recipes for compatibility with Ruby 1.9.3 and 1.8.7, plus Cucumber 1.1.4. Other versions may work as well, but these are the ones we test with.

Modern Java Recipes

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 TechnologyThe 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 InsideDevelop Spring apps more efficientlyMinimal to no configurationRuntime metrics with the ActuatorCovers Spring Boot 1.3 About the Reader Written for readers familiar with the Spring Framework. About the AuthorCraig Walls is a software developer, author of the popular book Spring in Action, Fourth Edition, and a frequent speaker at conferences. Table of ContentsBootstarting SpringDeveloping your first Spring Boot applicationCustomizing configurationTesting with Spring BootGetting Groovy with the Spring Boot CLIApplying Grails in Spring BootTaking a peek inside with the ActuatorDeploying Spring Boot applicationsAPPENDIXESSpring Boot developer toolsSpring Boot startersConfiguration propertiesSpring Boot dependencies

Jenkins: The Definitive Guide

Unique to the popular Grails web framework is its architecture. While other frameworks are built from the ground up, Grails leverages existing and proven technologies that already have advanced functionality built in. One of the key technologies in this architecture is Hibernate, on top of which Grails builds its GORM (Grails Object Relational Mapping) model layer. This provides Grails a persistence solution. Published with the developer in mind, firstPress technical briefs explore emerging technologies that have the potential to be critical for tomorrow's industry. Apress keeps developers one step ahead by presenting key information as early as possible in a PDF of 150 pages or less. Explore the future through Apress with Grails Persistence with GORM and GSQL. This firstPress book covers Grails persistence with GORM, from defining your first model to the nature of transactions and advanced Hibernate querying. Other APIs and tools such as GSQL (Groovy SQL) are covered as well, as needed, to empower your Grails persistence efforts.

The Trader's Book of Volume: The Definitive Guide to Volume Trading

* With this book readers might well be able to build the next Mars Rover. * First book out on Java robotics. * The biggest selling point about this book is that no one else shows readers how to combine the power of their PC with a robust programming language in Java to create exciting robotics. * The book is a great teaching aid (in robotics or software) that establishes a new paradigm for thinking about robotics along with simpler ways to do things, i.e., vs. the old way using microcontrollers.

Programming Grails

The introduction of functional programming concepts in Java SE 8 was a drastic change for this venerable object-oriented language. Lambda expressions, method references, and streams fundamentally changed the idioms of the language, and many developers have been trying to catch up ever since. This cookbook will help. With more than 70 detailed recipes, author Ken Kousen shows you how to use the newest features of Java to solve a wide range of problems. For developers comfortable with previous Java versions, this guide covers nearly all of Java SE 8, and includes a chapter focused on changes coming in Java 9. Need to understand how functional idioms will change the way you write code? This cookbook—chock full of use cases—is for you. Recipes cover: The basics of lambda expressions and method references Interfaces in the `java.util.function` package Stream operations for transforming and filtering data Comparators and Collectors for sorting and converting streaming data Combining lambdas, method references, and streams Creating instances and extract values from Java's Optional type New I/O capabilities that support functional streams The Date-Time API that replaces the legacy Date and Calendar classes Mechanisms for experimenting with concurrency and parallelism

Beginning Rails

Written in Packt's tutorial format the hands on examples and real life applications that will guide you through Gradle and give you the knowledge to use it every day. If you are a Java developer who wants to automate compiling, packaging and deploying your application this book is for you.

Grails in Action

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.

Getting Started with Roo

* Comprehensive Guide to Windows Installer technology - applicable for all languages and tools on the Microsoft platform. * Focus on use from Visual Studio and Visual Studio .NET means it does not require purchase of a separate high-priced installation tool (from InstallShield or Wise). The Windows Installer ships with Visual Studio .NET resulting in increasing market share—and the need for this book. * Extensive coverage of .NET project types including web applications and services - information not found anywhere else.

Groovy for Domain-Specific Languages

Learn how to translate the "language" of volume! Mark Leibovit, a leading market strategist and technical analyst with more than 35 years of trading experience, possesses a solid track record of predicting important movements in the financial market—including Black Monday of 1987, the bear markets of 2000 and 2008, and the “flash crash” of May 2010. Now, with *The Trader’s Book of Volume*, his secrets are yours! Focusing exclusively on volume technical analysis, *The Trader’s Book of Volume* describes the basics of volume, explains how to use it to identify and assess the strength of trade-worthy trends, and provides in-depth techniques and strategies for trading volume indicators for profit. With more than 400 charts and graphs, *The Trader’s Book of Volume* also exhaustively illustrates how readers can profit from a wide array of volume indicators, including: Broad Market Volume Indicators—Cumulative Volume Index, ARMS Index, Upside-Downside Volume, Nasdaq/ NYSE Volume Ratio, Yo-Yo Indicator Volume Indicators—Accumulation/ Distribution, Intraday Intensity, Negative Volume Index, On-Balance Volume, Open Interest Volume Oscillators—Klinger Oscillator, Chaikin Money Flow, Ease of Movement, Volume Oscillator Leibovit Volume Reversal Indicator™, the author’s proprietary methodology Under the author’s expert guidance, you can seamlessly incorporate Volume Analysis into your day-to-day trading program. Without a proper approach to Volume Analysis, Leibovit asserts, you’re essentially trading in the “land of the blind.” Use *The Trader’s Book of Volume* to gain the clearest view possible of market trends and react to them with the confidence and smarts for consistent trading success—and avoid every market crash the future holds.

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