

## Maven Essentials Get Started With The Essentials Of Apache Maven And Get Your Build Automation System Up And Running Quickly

Fully updated for Android Studio 4.0, Android 10 (Q), Android Jetpack and the modern architectural guidelines and components, the goal of this book is to teach the skills necessary to develop Android-based applications using the Kotlin programming language. Beginning with the basics, this book provides an outline of the steps necessary to set up an Android development and testing environment followed by an introduction to programming in Kotlin including data types, flow control, functions, lambdas, coroutines and object-oriented programming. An overview of Android Studio is included covering areas such as tool windows, the code editor and the Layout Editor tool. An introduction to the architecture of Android is followed by an in-depth look at the design of Android applications and user interfaces using the Android Studio environment. Chapters are also included covering the Android Architecture Components including view models, lifecycle management, Room databases, app navigation, live data and data binding. More advanced topics such as intents are also covered, as are touch screen handling, gesture recognition and the playback and recording of audio. This edition of the book also covers printing, transitions, cloud-based file storage and foldable device support. The concepts of material design are also covered in detail, including the use of floating action buttons, Snackbars, tabbed interfaces, card views, navigation drawers and collapsing toolbars. In addition to covering general Android development techniques, the book also includes Google Play specific topics such as implementing maps using the Google Maps Android API, and submitting apps to the Google Play Developer Console. Other key features of Android Studio 4.0 and the Android SDK are also covered in detail including the Layout Editor, the ConstraintLayout and ConstraintSet classes, MotionLayout animation, constraint chains and barriers, view binding, direct reply notifications and multi-window support. Chapters also cover advanced features of Android Studio such as App Links, Dynamic Feature Modules, the Android Studio Profiler and Gradle build configuration. Assuming you already have some programming experience, are ready to download Android Studio and the Android SDK, have access to a Windows, Mac or Linux system and ideas for some apps to develop, you are ready to get started.

This is a step-by-step tutorial enriched with practical examples and the necessary screenshots for easy and quick learning. This book is for you if you are a Java developer or a Team Manager familiar with Java and want to ensure the quality of your code using Sonar. You should have a background with Java and unit testing in general.

If you're new to project management or need to refresh your knowledge, Project Management Essentials, Third Edition, is the quickest and easiest way to learn how to manage projects successfully. The simple techniques and templates in this book provide you with the essential tools you'll need to be an effective project manager. It's as simple as that. Read the book and discover: How to plan well - to decide on the right things to do; The key skills and knowledge you'll need to be effective; How to create an effective charter to start projects off right; Guidelines for building a usable project plan; Tips for breaking project work into manageable pieces; Techniques for estimating project cost and schedule; How to build a team; Strategies to deal with conflict, change, and risk; How to report on the progress of the project and keep everyone concerned happy. Project Management Essentials is written in short, clear chapters to make project management more easily understood. The authors, all valued senior faculty of PM College, use both their business experience and their academic backgrounds to make these chapters come alive. This updated edition complies with the latest project management standard, the PMBOK Guide 5th Edition.

Facelets is a templating language developed from the ground up with JavaServer Faces in mind. Created in response to the many concerns involving JavaServer Pages (JSP) when building JavaServer Faces (JSF) views, Facelets steps outside of the JSP specification and provides a highly performant, JSF-centric view technology. Facelets' top properties, templating, reuse, and ease of development, allow it to help making JSF a technology suitable for large-scale projects. One of the first things a developer using Facelets finds is that it immediately leads to a reduction in user interface code. Facelets Essentials, the first book on Facelets, introduces you to its importance, architecture, and relationship to JSF and the Apache MyFaces web framework. Learn to create your first application using the power and flexibility Facelets offers. Then, master and apply its basic and advanced features including Unified Expression Language, templating and reuse, custom tag development, and more.

Atlassian Confluence 5 Essentials is written in a friendly, tutorial style packed full of practical information to help get you started with Confluence and collaborating on projects more efficiently. If you just started with Confluence, as a user or administrator, this book will give you a running start and teach you everything you need to know. This book will also appeal to veteran users as it will give you new insights and tricks for how to use Confluence even more efficiently. All you need to get started with this book is some basic knowledge on how to use an Internet browser. As an administrator, you will need some basic knowledge about your organization's standard operating environment to install Confluence.

Summary Gradle in Action is a comprehensive guide to end-to-end project automation with Gradle. Starting with the basics, this practical, easy-to-read book discusses how to build a full-fledged, real-world project. Along the way, it touches on advanced topics like testing, continuous integration, and monitoring code quality. You'll also explore tasks like setting up your target environment and deploying your software. About the Technology Gradle is a general-purpose build automation tool. It extends the usage patterns established by its forerunners, Ant and Maven, and allows builds that are expressive, maintainable, and easy to understand. Using a flexible Groovy-based DSL, Gradle provides declarative and extendable language elements that let you model your project's needs the way you want. About the Book Gradle in Action is a comprehensive guide to end-to-end project automation with Gradle. Starting with the basics, this practical, easy-to-read book discusses how to establish an effective build process for a full-fledged, real-world project. Along the way, it covers advanced topics like testing, continuous integration, and monitoring code quality. You'll also explore tasks like setting up your target environment and deploying your software. The book assumes a basic background in Java, but no knowledge of Groovy. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. Whats Inside A comprehensive guide to Gradle Practical, real-world examples Transitioning from Ant and Maven In-depth plugin development Continuous delivery with Gradle About the Author Benjamin Muschko is a member of the Gradleware engineering team and the author of several popular Gradle plugins. Table of Contents PART 1 INTRODUCING GRADLE Introduction to project automation Next-generation builds with Gradle Building a Gradle project by example PART 2 MASTERING THE FUNDAMENTALS Build script essentials Dependency management Multiproject builds Testing with Gradle Extending Gradle

Integration and migration PART 3 FROM BUILD TO DEPLOYMENT IDE support and tooling Building polyglot projects Code quality management and monitoring Continuous integration Artifact assembly and publishing Infrastructure provisioning and deployment

What are the business objectives to be achieved with MAVEN? How do you determine the key elements that affect MAVEN workforce satisfaction? how are these elements determined for different workforce groups and segments? Does our organization need more MAVEN education? What are the short and long-term Apache Maven - Languages goals? A compounding model resolution with available relevant data can often provide insight towards a solution methodology; which Apache Maven - Languages models, tools and techniques are necessary? This breakthrough MAVEN self-assessment will make you the credible MAVEN domain auditor by revealing just what you need to know to be fluent and ready for any MAVEN challenge. How do I reduce the effort in the MAVEN work to be done to get problems solved? How can I ensure that plans of action include every MAVEN task and that every MAVEN outcome is in place? How will I save time investigating strategic and tactical options and ensuring MAVEN opportunity costs are low? How can I deliver tailored MAVEN advise instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all MAVEN essentials are covered, from every angle: the MAVEN self-assessment shows succinctly and clearly that what needs to be clarified to organize the business/project activities and processes so that MAVEN outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced MAVEN practitioners. Their mastery, combined with the uncommon elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in MAVEN are maximized with professional results. Your purchase includes access details to the MAVEN self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. Your exclusive instant access details can be found in your book.

INTRODUCTION xv CHAPTER 1: LANGUAGE FEATURES 1 Static Types and Type Inference 2 Implicit Parameters, Conversions, and Their Resolution 3 Case Class, Tuples, and Case Object 5 Abstract Class, Traits, and Sealed 6 Pattern Matching 8 Statements Are Expressions 9 String Interpolation 9 Scala Collections, immutable and mutable 10 For Comprehension 12 Packages, Companion Objects, Package Objects, and Scoping 13 AnyVal, AnyRef, Any, and the Type Hierarchy 16 Summary 17 CHAPTER 2: FUNCTIONAL PROGRAMMING 19 Immutability 20 Pure Functions 22 Recursion 23 Higher-Order Functions 26 Core Collection Methods 27 Methods Returning a Collection 29 Methods Returning a Value 31 Currying and Partially Applied Functions 32 Null Handling (Option) 34 Strict versus Non-Strict Initialization 35 Summary 36 CHAPTER 3: JAVA COMPATIBILITY 37 Scala and Java Collections 37 Interfaces and Traits 40 Scala/Java Enumerations 42 Summary 43 CHAPTER 4: SIMPLE BUILD TOOL 45 Basic Usage 46 Project Structure 47 Single Project 47 Scopes 49 Custom Tasks 50 Dependencies 50 Resolvers 51 Advanced Usage 52 Advanced Dependencies 53 Testing in the Console 55 Release Management 56 Deploying to Sonatype 56 Packaging with SBT-Native-Packager 58 Creating a Docker Image 59 Common SBT Commands 60 Useful Plugins 61 Summary 62 CHAPTER 5: MAVEN 63 Getting Started with Maven and Scala 64 Introducing scala-maven-plugin 67 Adding Library Dependencies 70 Using the REPL 71 Getting Help 72 Running Tests 72 Joint Compilation with Java 74 Accelerating Compilation with Zinc 76 Summary 77 CHAPTER 6: SCALA STYLE/LINT 79 Scala with Style 79 Scaliform 81 Scapegoat 82 WartRemover 82 Scoverage 84 Summary 84 CHAPTER 7: TESTING 85 ScalaTest 86 Unit Tests 87 Integration Testing 87 Data-Driven Tests 88 Performance Testing 89 Acceptance Testing 90 Mocks 92 Load Testing 93 Summary 94 CHAPTER 8: DOCUMENTING YOUR CODE WITH SCALADOC 95 Why Document Your Code? 96 Revealing the Benefits 96 Bookending the Continuum 96 Choosing What to Document 96 Scaladoc Structure 97 Overall Layout 97 Index Pane 98 Content Pane 100 Invoking the Scaladoc Tool 106 Wiki Syntax 108 Formatting with Inline Wiki Syntax 108 Structuring with Block Elements 110 Linking 113 Locating Scaladoc 117 Tagging 117 Everyday Tagging 117 Tagging for Groups 123 Advanced Tagging 125 Invoking scaladoc: Additional Options 132 Integrating Scaladoc Creation with Your Project 133 Configuring Maven 133 Configuring SBT 134 Publishing Scaladoc 134 Tables and CSS 136 Summary 138 CHAPTER 9: TYPE SYSTEM 139 What Is a Type System? 140 Static versus Dynamic Typing 140 What Static Type Systems Are Good For 141 What Dynamic Type Systems Are Good For 141 Scala's Unified Type System 141 Value Classes 143 Polymorphism 145 Subtype Polymorphism 145 Parametric Polymorphism 146 Ad Hoc Polymorphism 146 Bounds 149 Context Bounds 149 Upper and Lower Bounds 150 Variance 151 Other Niceties 155 Self-Type Annotations 155 Self-Recursive Types 158 Abstract Type Members 159 Dynamic Programming 161 Structural Types 161 Dynamic Trait 162 Summary 164 CHAPTER 10: ADVANCED FUNCTIONAL PROGRAMMING 165 Higher-Kinded Types 165 Functional Design Patterns 167 Functor 167 Applicative Functor 170 Monad 172 Semigroup 173 Monoid 174 Summary 176 CHAPTER 11: CONCURRENCY 179 Synchronize/Atomic Variables 181 Future Composition 184 Parallel Collections 187 Reactive Streams 192 STM 195 Actors (Akka) 198 Spark 200 Summary 202 CHAPTER 12: SCALA.JS 205 Scala.Js and Its Design 205 Getting Started: Scala.Js with SBT 206 Scala.Js Peculiarities 210 Webjars and Dealing with the Frontend Ecosystem 211 Summary 213 INDEX 215

"The Maven Crash Course is designed to cut academic theory to just the key concepts and focus on basic Maven tasks to become productive quickly. We'll begin by introducing Maven and walking through its installation, after which we'll begin working on our first project. We'll take a look at dependencies, repositories and plugins and we'll learn how to improve our project by using JUnit for unit testing. Finally, we will start to use Maven within Eclipse, along with the M2Eclipse plugin. The quizzes at the end of each section reinforce key concepts by testing your knowledge acquired throughout the course. With this course, you'll be comfortable in using Maven on both a Windows machine as well as a Mac and you will be able to build your Java project more efficiently while managing dependencies in Maven."--Resource description page.

Dive into the future of data science and learn how to build the sophisticated algorithms that are fundamental to deep learning and AI with Java About This Book Go beyond the theory and put Deep Learning into practice with Java Find out how to build a range of Deep Learning algorithms using a range of leading frameworks including DL4J, Theano and Caffe Whether you're a data scientist or Java developer, dive in and find out how to tackle Deep Learning Who This Book Is For This book is intended for data scientists and Java developers who want to dive into the exciting world of deep learning. It would also be good for machine learning users who intend to leverage deep learning in their projects,

working within a big data environment. What You Will Learn Get a practical deep dive into machine learning and deep learning algorithms Implement machine learning algorithms related to deep learning Explore neural networks using some of the most popular Deep Learning frameworks Dive into Deep Belief Nets and Stacked Denoising Autoencoders algorithms Discover more deep learning algorithms with Dropout and Convolutional Neural Networks Gain an insight into the deep learning library DL4J and its practical uses Get to know device strategies to use deep learning algorithms and libraries in the real world Explore deep learning further with Theano and Caffe In Detail AI and Deep Learning are transforming the way we understand software, making computers more intelligent than we could even imagine just a decade ago. Deep Learning algorithms are being used across a broad range of industries – as the fundamental driver of AI, being able to tackle Deep Learning is going to a vital and valuable skill not only within the tech world but also for the wider global economy that depends upon knowledge and insight for growth and success. It's something that's moving beyond the realm of data science – if you're a Java developer, this book gives you a great opportunity to expand your skillset. Starting with an introduction to basic machine learning algorithms, to give you a solid foundation, Deep Learning with Java takes you further into this vital world of stunning predictive insights and remarkable machine intelligence. Once you've got to grips with the fundamental mathematical principles, you'll start exploring neural networks and identify how to tackle challenges in large networks using advanced algorithms. You will learn how to use the DL4J library and apply Deep Learning to a range of real-world use cases. Featuring further guidance and insights to help you solve challenging problems in image processing, speech recognition, language modeling, this book will make you rethink what you can do with Java, showing you how to use it for truly cutting-edge predictive insights. As a bonus, you'll also be able to get to grips with Theano and Caffe, two of the most important tools in Deep Learning today. By the end of the book, you'll be ready to tackle Deep Learning with Java. Wherever you've come from – whether you're a data scientist or Java developer – you will become a part of the Deep Learning revolution! Style and approach This is a step-by-step, practical tutorial that discusses key concepts. This book offers a hands-on approach to key algorithms to help you develop a greater understanding of deep learning. It is packed with implementations from scratch, with detailed explanation that make the concepts easy to understand and follow.

Master the fundamentals of Gradle using real-world projects with this quick and easy-to-read guide About This Book Write beautiful build scripts for various types of projects effortlessly Become more productive by harnessing the power and elegance of the Gradle DSL Learn how to use Gradle quickly and effectively with this step-by-step guide Who This Book Is For This book is for Java and other JVM-based language developers who want to use Gradle or are already using Gradle on their projects. No prior knowledge of Gradle is required, but some familiarity with build-related terminologies and an understanding of the Java language would help. What You Will Learn Master the Gradle DSL by identifying the building blocks Learn just enough Groovy for Gradle Set up tests and reports for your projects to make them CI ready Create library, stand-alone, and web projects Craft multi-module projects quickly and efficiently Migrate existing projects to a modern Gradle build Extract common build logic into plugins Write builds for languages like Java, Groovy, and Scala In Detail Gradle is an advanced and modern build automation tool. It inherits the best elements of the past generation of build tools, but it also differs and innovates to bring terseness, elegance, simplicity, and the flexibility to build. Right from installing Gradle and writing your first build file to creating a fully-fledged multi-module project build, this book will guide you through its topics in a step-by-step fashion. You will get your hands dirty with a simple Java project built with Gradle and go on to build web applications that are run with Jetty or Tomcat. We take a unique approach towards explaining the DSL using the Gradle API, which makes the DSL more accessible and intuitive. All in all, this book is a concise guide to help you decipher the Gradle build files, covering the essential topics that are most useful in real-world projects. With every chapter, you will learn a new topic and be able to readily implement your build files. Style and approach This step-by-step guide focuses on being productive with every chapter. When required, topics are explained in-depth to give you a good foundation of the Gradle fundamentals. The book covers most aspects of builds required for conventional JVM-based projects, and when necessary, points you towards the right resources.

This book is intended for developers who are either already involved with enterprise integration or planning to venture into the domain. Basic knowledge of Java and Spring is expected. For newer users, this book can be used to understand an integration scenario, what the challenges are, and how Spring Integration can be used to solve it. Prior experience of Spring Integration is not expected as this book will walk you through all the code examples.

Unleash the power of Apache Oozie to create and manage your big data and machine learning pipelines in one go About This Book Teaches you everything you need to know to get started with Apache Oozie from scratch and manage your data pipelines effortlessly Learn to write data ingestion workflows with the help of real-life examples from the author's own personal experience Embed Spark jobs to run your machine learning models on top of Hadoop Who This Book Is For If you are an expert Hadoop user who wants to use Apache Oozie to handle workflows efficiently, this book is for you. This book will be handy to anyone who is familiar with the basics of Hadoop and wants to automate data and machine learning pipelines. What You Will Learn Install and configure Oozie from source code on your Hadoop cluster Dive into the world of Oozie with Java MapReduce jobs Schedule Hive ETL and data ingestion jobs Import data from a database through Sqoop jobs in HDFS Create and process data pipelines with Pig, hive scripts as per business requirements. Run machine learning Spark jobs on Hadoop Create quick Oozie jobs using Hue Make the most of Oozie's security capabilities by configuring Oozie's security In Detail As more and more organizations are discovering the use of big data analytics, interest in platforms that provide storage, computation, and analytic capabilities is booming exponentially. This calls for data management. Hadoop caters to this need. Oozie fulfils this necessity for a scheduler for a Hadoop job by acting as a cron to better analyze data. Apache Oozie Essentials starts off with the basics right from installing and configuring Oozie from source code on your Hadoop cluster to managing your complex

clusters. You will learn how to create data ingestion and machine learning workflows. This book is sprinkled with the examples and exercises to help you take your big data learning to the next level. You will discover how to write workflows to run your MapReduce, Pig, Hive, and Sqoop scripts and schedule them to run at a specific time or for a specific business requirement using a coordinator. This book has engaging real-life exercises and examples to get you in the thick of things. Lastly, you'll get a grip of how to embed Spark jobs, which can be used to run your machine learning models on Hadoop. By the end of the book, you will have a good knowledge of Apache Oozie. You will be capable of using Oozie to handle large Hadoop workflows and even improve the availability of your Hadoop environment. Style and approach This book is a hands-on guide that explains Oozie using real-world examples. Each chapter is blended beautifully with fundamental concepts sprinkled in-between case study solution algorithms and topped off with self-learning exercises.

Android development can be challenging, but through the effective use of Android Developer Tools (ADT), you can make the process easier and improve the quality of your code. This concise guide demonstrates how to build apps with ADT for a device family that features several screen sizes, different hardware capabilities, and a varying number of resources. With examples in Windows, Linux, and Mac OS X, you'll learn how to set up an Android development environment and use ADT with the Eclipse IDE. Also, contributor Donn Felker introduces Android Studio, a Google IDE that will eventually replace Eclipse. Learn how to use Eclipse and ADT together to develop Android code Create emulators of various sizes and configurations to test your code Master Eclipse tools, or explore the new Android Studio Use Logcat, Lint, and other ADT tools to test and debug your code Simulate real-world events, including location, sensors, and telephony Create dynamic and efficient UIs, using Graphical Layout tools Monitor and optimize you application performance using DDMS, HierarchyViewer, and the Android Monitor tool Use Wizards and shortcuts to generate code and image assets Compile and package Android code with Ant and Gradle

Essentials of Marketing, seventh edition, provides an accessible, lively and engaging introduction to marketing. Taking a practical, tactical approach, the authors cover traditional marketing techniques and theories, as well as offering the most up to date critical perspectives.

For too long, developers have worked on disorganized application projects, where every part seemed to have its own build system, and no common repository existed for information about the state of the project. Now there's help. The long-awaited official documentation to Maven is here. Written by Maven creator Jason Van Zyl and his team at Sonatype, Maven: The Definitive Guide clearly explains how this tool can bring order to your software development projects. Maven is largely replacing Ant as the build tool of choice for large open source Java projects because, unlike Ant, Maven is also a project management tool that can run reports, generate a project website, and facilitate communication among members of a working team. To use Maven, everything you need to know is in this guide. The first part demonstrates the tool's capabilities through the development, from ideation to deployment, of several sample applications -- a simple software development project, a simple web application, a multi-module project, and a multi-module enterprise project. The second part offers a complete reference guide that includes: The POM and Project Relationships The Build Lifecycle Plugins Project website generation Advanced site generation Reporting Properties Build Profiles The Maven Repository Team Collaboration Writing Plugins IDEs such as Eclipse, IntelliJ, and NetBeans Using and creating assemblies Developing with Maven Archetypes Several sources for Maven have appeared online for some time, but nothing served as an introduction and comprehensive reference guide to this tool -- until now. Maven: The Definitive Guide is the ideal book to help you manage development projects for software, web applications, and enterprise applications. And it comes straight from the source.

Maven Kitchen Essentials gives you the inside scoop on Maven Meal's most popular dishes. Learn how to make their famous granola, grilled chicken sweet potato salad & even their paleo muffins!

Maven EssentialsPackt Publishing Ltd

With 75 in-depth chapters, over 800 pages and more than 47 example app projects (including the source code) this book provides everything you need to successfully develop and deploy Android apps using Android Studio. Fully updated for Android Studio 2.2 and Android 7, the goal of this book is to teach the skills necessary to develop Android based applications using the Android Studio Integrated Development Environment (IDE) and the Android 7 Software Development Kit (SDK). Beginning with the basics, this book provides an outline of the steps necessary to set up an Android development and testing environment. An overview of Android Studio is included covering areas such as tool windows, the code editor and the Layout Editor tool. An introduction to the architecture of Android is followed by an in-depth look at the design of Android applications and user interfaces using the Android Studio environment. More advanced topics such as database management, content providers and intents are also covered, as are touch screen handling, gesture recognition, camera access and the playback and recording of both video and audio. This edition of the book also covers printing, transitions and cloud-based file storage. The concepts of material design are also covered in detail, including the use of floating action buttons, Snackbars, tabbed interfaces, card views, navigation drawers and collapsing toolbars. In addition to covering general Android development techniques, the book also includes Google Play specific topics such as implementing maps using the Google Maps Android API, in-app billing and submitting apps to the Google Play Developer Console. The key new features of Android Studio and Android 7 are also covered in detail including the new layout editor, the ConstraintLayout class, direct reply notifications, Firebase remote notifications and multi-window support. Chapters also cover advanced features of Android Studio such as Gradle build configuration and the implementation of build variants to target multiple Android device types from a single project code base. Assuming you already have some Java programming experience, are ready to download Android Studio and the Android SDK, have access to a Windows, Mac or Linux system and ideas for some apps to develop, you are ready to get started.

If you are working with Java or Java EE projects and you want to take full advantage of Maven in designing, executing, and maintaining your build system for optimal developer productivity, then this book is ideal for you. You should be well versed with Maven and its basic functionality if you wish to get the most out of the book.

ESSENTIALS OF BUSINESS COMMUNICATION, 9TH EDITION presents a streamlined approach to business communication that includes unparalleled resources and author support for instructors and

students. ESSENTIALS OF BUSINESS COMMUNICATION provides a four-in-one learning package: authoritative text, practical workbook, self-teaching grammar/mechanics handbook, and premium Web site. Especially effective for students with outdated or inadequate language skills, the Ninth Edition offers extraordinary print and digital exercises to help students build confidence as they review grammar, punctuation, and writing guidelines. Textbook chapters teach basic writing skills and then apply these skills to a variety of e-mails, memos, letters, reports, and resumes. Realistic model documents and structured writing assignments help students build lasting workplace skills. The Ninth Edition of this award-winning text features increased coverage of electronic messages and digital media, redesigned and updated model documents to introduce students to the latest business communication practices, and extensively updated exercises and activities. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

If you are a developer who wants to migrate from Selenium RC or any other automation tool to Selenium WebDriver, then this book is for you. Knowledge of automation tools is necessary to follow the examples in this book.

This book is ideal for developers who have some experience in Java application development as well as some basic knowledge of test doubles and JUnit testing. This book also introduces you to the fundamentals of JUnit testing, test doubles, refactoring legacy code, and writing JUnit tests for GWT and web services.

Build mission-critical enterprise applications using Spring Framework and Aspect Oriented Programming About This Book Step into more advanced features of aspect-oriented programming and API components to build enterprise grade systems Build lightning-fast web applications and REST APIs using Spring MVC and its asynchronous processing capabilities with the view technologies of your choice Explore simplified but powerful data access techniques including JPA (Java Persistence Architecture) repositories and NoSQL data access Who This Book Is For If you are a Java developer who is looking to master Enterprise Java Development using Spring Framework, then this book is ideal for you. Prior understanding of core Java programming and a high-level understanding of Spring Framework is recommended. Having sound knowledge of servlet-based web development in Java and basic Database concepts would be an advantage but not a requirement. What You Will Learn Set up and build standalone and web-based projects using Spring Framework with Maven or Gradle Get familiar with JSP Form processing using Spring and Form Tag Library Develop RESTful API applications for XML and JSON data transfers with non-blocking asynchronous capabilities Explore Spring's comprehensive transaction support for declarative Transaction Management and its integration with Spring's data access abstractions Investigate Spring Data access mechanisms with Spring Data Repositories, a simple and consistent data-access abstraction Construct real-time applications using WebSocket with a SockJS fallback option Understand how to secure your Spring Web and standalone applications using Spring Security declaratively and consistently Get to grips with the end-to-end development of an API-based modern SPA using EmberJS at the front end and SpringMVC at the back end In Detail Spring is an open source Java application development framework to build and deploy systems and applications that run on the JVM. It is the industry standard and the most popular framework among Java developers with over two-thirds of developers using it. Spring Essentials makes learning Spring so much quicker and easier with the help of illustrations and practical examples. Starting from the core concepts of features such as inversion of Control Container and BeanFactory, we move on to a detailed look at aspect-oriented programming. We cover the breadth and depth of Spring MVC, the WebSocket technology, Spring Data, and Spring Security with various authentication and authorization mechanisms. Packed with real-world examples, you'll get an insight into utilizing the power of Spring Expression Language in your applications for higher maintainability. You'll also develop full-duplex real-time communication channels using WebSocket and integrate Spring with web technologies such as JSF, Struts 2, and Tapestry. At the tail end, you will build a modern SPA using EmberJS at the front end and a Spring MVC-based API at the back end. By the end of the book, you will be able to develop your own dull-fledged applications with Spring. Style and approach This book is a practical guide based on logical modules of the whole Spring Framework family, with a start-small approach, increasing in complexity as it progresses. Every chapter is an amalgamation of theory and practical examples, with further discussion on additional features and approaches.

Improve team productivity with Integrated Processes, Planning, and Collaboration using IBM Rational Team Concert Enterprise Edition through this book and eBook.

When Jeffrey Nichols talks, metals investors on five continents listen. One of the world's most respected and most quoted experts in the economics of the gold, silver, and platinum markets, Jeff knows more about investing in metals than just about anybody today. Now, in this complete guide to getting started in today's metals markets, metals maven Jeffrey Nichols tells serious investors what they need to know to profit in today's precious, industrial base, and strategic metals markets. Following the critically acclaimed Getting Started in series format, and featuring the clarity, practicality, and timeliness that have made all the books in the series such a huge hit with investors everywhere, Getting Started in Metals gives you: Accessible information on how metals are packaged, and how to invest in them, both through mutual funds and direct bullion purchases The essentials of investing in mining and metals equities, options, and futures Expert advice on how strong a role metals should play in a well-rounded portfolio Lots of real-life examples, definitions, convenient sidebar information, filled with charts, graphs, and illustrations A working glossary for metals investors and a comprehensive listing of contact information

This book is for anyone who's worked with Clojure and wants to use it to start developing applications for the Web. Experience or familiarity with basic Clojure syntax is a must, and exposure to Leiningen (or other similar build tools such as Maven) would be helpful.

A practical guide, packed with illustrations, that will help you become proficient with Hudson and able to utilize it how you want. If you are a Java developer or administrator who would like to automate some of the mundane work required to build and test software and improve software quality, this is the book for you. If you are a development manager or tester, you can also benefit from learning how Hudson works by gaining some insight into test results and historical trends.

Build, secure, and deploy real-world serverless applications in AWS and peek into the serverless cloud offerings from Azure, Google Cloud, and IBM Cloud Key Features Build serverless applications with AWS Lambda, AWS CloudFormation and AWS CloudWatch Perform data analytics and natural language processing(NLP)on the AWS serverless platform Explore various design patterns and best practices involved in serverless computing Book Description Managing physical servers will be a thing of the past once you're able to harness the power of serverless computing. If you're already prepped with the basics of serverless computing, Serverless Programming Cookbook will help you take the next step ahead. This recipe-based guide provides solutions to problems you might face while building serverless applications. You'll begin by setting up Amazon Web Services (AWS), the primary cloud provider used for most recipes. The next set of recipes will cover various components to build a Serverless application including REST APIs, database, user management, authentication, web hosting, domain registration, DNS management, CDN, messaging, notifications and monitoring. The book also introduces you to the latest technology trends such as Data Streams, Machine Learning and NLP. You will

also see patterns and practices for using various services in a real world application. Finally, to broaden your understanding of Serverless computing, you'll also cover getting started guides for other cloud providers such as Azure, Google Cloud Platform and IBM cloud. By the end of this book, you'll have acquired the skills you need to build serverless applications efficiently using various cloud offerings. What you will learn Serverless computing in AWS and explore services with other clouds Develop full-stack apps with API Gateway, Cognito, Lambda and DynamoDB Web hosting with S3, CloudFront, Route 53 and AWS Certificate Manager SQS and SNS for effective communication between microservices Monitoring and troubleshooting with CloudWatch logs and metrics Explore Kinesis Streams, Amazon ML models and Alexa Skills Kit Who this book is for For developers looking for practical solutions to common problems while building a serverless application, this book provides helpful recipes. To get started with this intermediate-level book, knowledge of basic programming is a must.

This book takes you on a fantastic journey to discover the attributes of big data using Apache Hive. Key Features Grasp the skills needed to write efficient Hive queries to analyze the Big Data Discover how Hive can coexist and work with other tools within the Hadoop ecosystem Uses practical, example-oriented scenarios to cover all the newly released features of Apache Hive 2.3.3 Book Description In this book, we prepare you for your journey into big data by firstly introducing you to backgrounds in the big data domain, alongwith the process of setting up and getting familiar with your Hive working environment. Next, the book guides you through discovering and transforming the values of big data with the help of examples. It also hones your skills in using the Hive language in an efficient manner. Toward the end, the book focuses on advanced topics, such as performance, security, and extensions in Hive, which will guide you on exciting adventures on this worthwhile big data journey. By the end of the book, you will be familiar with Hive and able to work effeciently to find solutions to big data problems What you will learn Create and set up the Hive environment Discover how to use Hive's definition language to describe data Discover interesting data by joining and filtering datasets in Hive Transform data by using Hive sorting, ordering, and functions Aggregate and sample data in different ways Boost Hive query performance and enhance data security in Hive Customize Hive to your needs by using user-defined functions and integrate it with other tools Who this book is for If you are a data analyst, developer, or simply someone who wants to quickly get started with Hive to explore and analyze Big Data in Hadoop, this is the book for you. Since Hive is an SQL-like language, some previous experience with SQL will be useful to get the most out of this book.

Spring Start Here teaches you how to build professional-quality applications using Spring and Spring Boot. Spring is a massive ecosystem and a must-learn tool for Java developers. Spring Start Here introduces you to Java development with Spring by concentrating on the core concepts you'll use in every application you build. You'll learn how to refactor an existing application to Spring, how to use Spring tools to make SQL database requests and REST calls, and how to secure your projects with Spring Security. Spring Start Here teaches you how to build professional-quality applications using Spring and Spring Boot. You'll start with the core components of the framework and then learn how features like Spring Boot simplify the tedious repetitive tasks you face in every project. When you're done, you'll be able to create Spring apps, secure them with authentication and authorization, and move on to the next exciting steps of your Spring journey. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

Get started with the essentials of Apache Maven and get your build automation system up and running quickly About This Book Explore the essentials of Apache Maven essentials to arm yourself with all the ingredients needed to develop a comprehensive build automation system Identify the extension points in Apache Maven and learn more about them in-depth Improve developer productivity by optimizing the build process with best practices in Maven using this compact guide Who This Book Is For The book is ideal for for experienced developers who are already familiar with build automation, but want to learn how to use Maven and apply its concepts to the most difficult scenarios in build automation. What You Will Learn Comprehend the key concepts in Apache Maven Build your own custom plugins and get to know how Maven extension points are used Troubleshoot build issues with greater confidence Optimize Maven's configuration settings Write custom lifecycles and extensions Get hands-on and create a Maven assembly Explore the best practices to design a build system that improves developer productivity In Detail Maven is the #1 build tool used by developers and it has been around for more than a decade. Maven stands out among other build tools due to its extremely extensible architecture, which is built on of the concept of convention over configuration. It's widely used by many open source Java projects under Apache Software Foundation, Sourceforge, Google Code, and more. Maven Essentials is a fast-paced guide to show you the key concepts in Maven and build automation. We get started by introducing you to Maven and exploring its core concepts and architecture. Next, you will learn about and write a Project Object Model (POM) while creating your own Maven project. You will also find out how to create custom archetypes and plugins to establish the most common goals in build automation. After this, you'll get to know how to design the build to prevent any maintenance nightmares, with proper dependency management. We then explore Maven build lifecycles and Maven assemblies. Finally, you will discover how to apply the best practices when designing a build system to improve developer productivity. Style and approach This book is a practical and compact guide that will show you how to use Apache Maven in an optimal way to address enterprise build requirements. It provides technical guidance to get you started with Maven and build automation.

How can you measure MAVEN in a systematic way? What vendors make products that address the MAVEN needs? How is the value delivered by MAVEN being measured? What are the success criteria that will indicate that MAVEN objectives have been met and the benefits delivered? How do mission and objectives affect the MAVEN processes of our organization? This extraordinary MAVEN self-assessment will make you the entrusted MAVEN domain visionary by revealing just what you need to know to be fluent and ready for any MAVEN challenge. How do I reduce the effort in the MAVEN work to be done to get problems solved? How can I ensure that plans of action include every MAVEN task and that every MAVEN outcome is in place? How will I save time investigating strategic and tactical options and ensuring MAVEN costs are low? How can I deliver tailored MAVEN advice instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all MAVEN essentials are covered, from every angle: the MAVEN self-assessment shows succinctly and clearly that what needs to be clarified to organize the required activities and processes so that MAVEN outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced MAVEN practitioners. Their mastery, combined with the easy elegance of the self-assessment, provides its superior value to you in knowing how to ensure the

outcome of any efforts in MAVEN are maximized with professional results. Your purchase includes access details to the MAVEN self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows you exactly what to do next. Your exclusive instant access details can be found in your book.

This book covers the critical as well as the less obvious aspects of managing Microsoft Team Foundation Server 2015 in a variety of development and test environments. Coverage includes basic installation, initial configuration, maintenance, and common trouble shooting techniques, sizing, and performance considerations. Essentials of Administering Team Foundation Server 2015 explains how TFS can help you incorporate source control in your development environment. You'll learn how to set up TFS to match how you develop software. The book covers using TFS in the whole development process, along with practical advice on how to use its features effectively to get up to speed quickly. In addition, the author dives into using TFS in your team covering subjects like setting up accounts for different roles, manage users, and groups--plus what you need to know about TFS security and running a secure team. No discussion of a centralized system like TFS would be complete without learning how to back up and restore it, and the author covers what you will need to know to maintain your TFS including the backup and restore details required to properly plan for disaster recovery. The book details what you need to know about TFS functionality in creating and setting up collections and projects, how to manage the build process with Team Build (including setting it up and deploying build server and agents), using templates to speed up the creation of builds, building multi-platform solutions, and testing. In this book, you'll learn how to: Plan, install, and configure TFS Secure your TFS environment Plan and manage source control with TFS Manage the development process with TFS Manage the build process Test with TFS This book is for those application developers who want to achieve greater flexibility and scalability from their software. Whether you are familiar with other NoSQL databases or have only used relational systems, this book will provide you with enough background to move you along at your own pace. If you are new to NoSQL document databases, the design discussions and introductory material will give you the information you need to get started with Couchbase.

This book is a quick and concise introduction to RabbitMQ. Follow the unique case study of Clever Coney Media as they progressively discover how to fully utilize RabbitMQ, containing clever examples and detailed explanations. Whether you are someone who develops enterprise messaging products professionally or a hobbyist who is already familiar with open source Message Queuing software and you are looking for a new challenge, then this is the book for you. Although you should be familiar with Java, Ruby, and Python to get the most out of the examples, RabbitMQ Essentials will give you the push you need to get started that no other RabbitMQ tutorial can provide you with.

The field of communications is increasingly recognized as a powerful tool in addressing the world's most imperative public health challenges. Effective communication in health campaigns can inform, empower, or persuade individuals to adopt healthier lifestyles as well as foster public debate and policy change. Featuring a full chapter on informatics, this book is devoted to the competencies in health communication and informatics recommended by the Association of Schools of Public Health. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.

This book is for developers who want to work smarter so they can focus their efforts on the details that will give them the advantage. This book is tailor-made for developers who want to move from NetBeans and Eclipse to experience the power and functionality of IntelliJ IDEA.

Fully updated for Android Studio 3.0 and Android 8, the goal of this book is to teach the skills necessary to develop Android based applications using the Android Studio Integrated Development Environment (IDE), the Android 8 Software Development Kit (SDK) and the Java programming language. Beginning with the basics, this book provides an outline of the steps necessary to set up an Android development and testing environment. An overview of Android Studio is included covering areas such as tool windows, the code editor and the Layout Editor tool. An introduction to the architecture of Android is followed by an in-depth look at the design of Android applications and user interfaces using the Android Studio environment. More advanced topics such as database management, content providers and intents are also covered, as are touch screen handling, gesture recognition, camera access and the playback and recording of both video and audio. This edition of the book also covers printing, transitions and cloud-based file storage. The concepts of material design are also covered in detail, including the use of floating action buttons, Snackbars, tabbed interfaces, card views, navigation drawers and collapsing toolbars. In addition to covering general Android development techniques, the book also includes Google Play specific topics such as implementing maps using the Google Maps Android API, and submitting apps to the Google Play Developer Console. Other key features of Android Studio 3 and Android 8 are also covered in detail including the Layout Editor, the ConstraintLayout and ConstraintSet classes, constraint chains and barriers, direct reply notifications and multi-window support. Chapters also cover advanced features of Android Studio such as App Links, Instant Apps, the Android Studio Profiler and Gradle build configuration. Assuming you already have some Java programming experience, are ready to download Android Studio and the Android SDK, have access to a Windows, Mac or Linux system and ideas for some apps to develop, you are ready to get started.

[Copyright: 92cd203ccec0b2d4834da228ae4fb315](https://www.pdfdrive.com/maven-essentials-get-started-with-the-essentials-of-apache-maven-and-get-your-build-automation-system-up-and-running-quickly-p248228ae4fb315.html)