

## Apache Velocity Developer Guide

This handbook offers comprehensive coverage of recent advancements in Big Data technologies and related paradigms. Chapters are authored by international leading experts in the field, and have been reviewed and revised for maximum reader value. The volume consists of twenty-five chapters organized into four main parts. Part one covers the fundamental concepts of Big Data technologies including data curation mechanisms, data models, storage models, programming models and programming platforms. It also dives into the details of implementing Big SQL query engines and big stream processing systems. Part Two focuses on the semantic aspects of Big Data management including data integration and exploratory ad hoc analysis in addition to structured querying and pattern matching techniques. Part Three presents a comprehensive overview of large scale graph processing. It covers the most recent research in large scale graph processing platforms, introducing several scalable graph querying and mining mechanisms in domains such as social networks. Part Four details novel applications that have been made possible by the rapid emergence of Big Data technologies such as Internet-of-Things (IOT), Cognitive Computing and SCADA Systems. All parts of the book discuss open research problems, including potential opportunities, that have arisen from the rapid progress of Big Data technologies and the associated increasing requirements of application domains. Designed for researchers, IT professionals and graduate students, this book is a timely contribution to the growing Big Data field. Big Data has been recognized as one of leading emerging technologies that will have a major contribution and impact on the various fields of science and various aspects of the human society over the coming decades. Therefore, the content in this book will be an essential tool to help readers understand the development and future of the field.

Data is at the center of many challenges in system design today. Difficult issues need to be figured out, such as scalability, consistency, reliability, efficiency, and maintainability. In addition, we have an overwhelming variety of tools, including relational databases, NoSQL datastores, stream or batch processors, and message brokers. What are the right choices for your application? How do you make sense of all these buzzwords? In this practical and comprehensive guide, author Martin Kleppmann helps you navigate this diverse landscape by examining the pros and cons of various technologies for processing and storing data. Software keeps changing, but the fundamental principles remain the same. With this book, software engineers and architects will learn how to apply those ideas in practice, and how to make full use of data in modern applications. Peer under the hood of the systems you already use, and learn how to use and operate them more effectively. Make informed decisions by identifying the strengths and weaknesses of different tools. Navigate the trade-offs around consistency, scalability, fault tolerance, and complexity. Understand the distributed systems research upon which modern databases are built. Peek behind the scenes of major online services, and learn from their architectures.

This text provides guidelines to develop tools for smart processing of knowledge and information. It uses cutting-edge ideas, recent research, and case studies to explore the complexities and challenges of modern knowledge management issues.

Prepare for the Pivotal Certified Spring Web Application Developer exam and learn about Spring MVC DispatcherServlet configuration, Spring MVC programming model essentials, Spring MVC views and form processing, Spring Web Flow essentials, and Spring Web Flow actions and configuration. The Pivotal Certified Spring Web Application Developer Exam: A Study Guide is the ideal preparation for the exam and after reading and using it, you'll be able to pass and become a certified Spring Web Developer. When you become a Pivotal Certified Spring Web Application Developer, you'll receive one of the most valuable credentials available in enterprise Java. Achieving this certification demonstrates your ability to apply Spring's web projects to develop real-world Java web applications and validates your familiarity with Spring Web.

The Web Development Glossary

Practical JIRA Plugins

DocBook XSL

The Big Ideas Behind Reliable, Scalable, and Maintainable Systems

Jakarta Commons cookbook

Business Process Management Design Guide: Using IBM Business Process Manager

The Definitive ANTLR 4 Reference

\* Instructs the use of Struts to build MVC Web applications and simplify HTML form construction and validation \* Provides information on using Object-RelationalBridge to cut down the amount of data-access code necessary to be written and maintained \* Teaches how to use Lucene to incorporate search engine functionality into a Web application \* Demonstrates how to use Velocity to cleanly separate presentation and Java Code

With the rise of DevOps, low-cost cloud computing, and container technologies, the way Java developers approach development today has changed dramatically. This practical guide helps you take advantage of microservices, serverless, and cloud native technologies using the latest DevOps techniques to simplify your build process and create hyperproductive teams. Stephen Chin, Melissa McKay, Ixchel Ruiz, and Baruch Sadogursky from JFrog help you evaluate an array of options. The list includes source control with Git, build declaration with Maven and Gradle, CI/CD with CircleCI, package management with Artifactory, containerization with Docker and Kubernetes, and much more. Whether you're building applications with Jakarta EE, Spring Boot, Dropwizard, MicroProfile, Micronaut, or Quarkus, this comprehensive guide has you covered. Explore software lifecycle best practices Use DevSecOps methodologies to facilitate software development and delivery Understand the business value of DevSecOps best practices Manage and secure software dependencies Develop and deploy applications using containers and cloud native technologies Manage and administrate source control repositories and development processes Use automation to set up and administer build pipelines Identify common deployment patterns and antipatterns Maintain and monitor

software after deployment

Learn the basics of analytics on big data using Java, machine learning and other big data tools About This Book Acquire real-world set of tools for building enterprise level data science applications Surpasses the barrier of other languages in data science and learn create useful object-oriented codes Extensive use of Java compliant big data tools like apache spark, Hadoop, etc. Who This Book Is For This book is for Java developers who are looking to perform data analysis in production environment. Those who wish to implement data analysis in their Big data applications will find this book helpful. What You Will Learn Start from simple analytic tasks on big data Get into more complex tasks with predictive analytics on big data using machine learning Learn real time analytic tasks Understand the concepts with examples and case studies Prepare and refine data for analysis Create charts in order to understand the data See various real-world datasets In Detail This book covers case studies such as sentiment analysis on a tweet dataset, recommendations on a movielens dataset, customer segmentation on an ecommerce dataset, and graph analysis on actual flights dataset. This book is an end-to-end guide to implement analytics on big data with Java. Java is the de facto language for major big data environments, including Hadoop. This book will teach you how to perform analytics on big data with production-friendly Java. This book basically divided into two sections. The first part is an introduction that will help the readers get acquainted with big data environments, whereas the second part will contain a hardcore discussion on all the concepts in analytics on big data. It will take you from data analysis and data visualization to the core concepts and advantages of machine learning, real-life usage of regression and classification using Naive Bayes, a deep discussion on the concepts of clustering, and a review of simple neural networks on big data using deepLearning4j or plain Java Spark code. This book is a must-have book for Java developers who want to start learning big data analytics and want to use it in the real world. Style and approach The approach of book is to deliver practical learning modules in manageable content. Each chapter is a self-contained unit of a concept in big data analytics. Book will step by step builds the competency in the area of big data analytics. Examples using real world case studies to give ideas of real applications and how to use the techniques mentioned. The examples and case studies will be shown using both theory and code.

The way developers design, build, and run software has changed significantly with the evolution of microservices and containers. These modern architectures use new primitives that require a different set of practices than most developers, tech leads, and architects are accustomed to. With this focused guide, Bilgin Ibryam and Roland Huß from Red Hat provide common reusable elements, patterns, principles, and practices for designing and implementing cloud-native applications on Kubernetes. Each pattern includes a description of the problem and a proposed solution with Kubernetes specifics. Many patterns are also backed by concrete code examples. This book is ideal for developers already familiar with basic Kubernetes concepts who want to learn common cloud native patterns. You'll learn about the following pattern categories: Foundational patterns cover the core principles and practices for building container-based cloud-native applications. Behavioral patterns explore finer-grained concepts for managing various types of container and platform interactions. Structural patterns help you organize containers within a pod, the atom of the Kubernetes platform. Configuration patterns provide insight into how application configurations can be handled in Kubernetes. Advanced patterns covers more advanced topics such as extending the platform with operators.

A Guide for Developers and Administrators

The Definitive Guide

A Developer's Guide with CSS and JavaScript

Maven: The Definitive Guide

Hadoop Operations

Pivotal Certified Spring Web Application Developer Exam

Mastering Apache Solr 7.x

**Learn how to use Tomcat to quickly build more sophisticated Web applications This comprehensive introduction to developing complex Web applications using Tomcat and related Apache Jakarta technologies examines everything you need to know about Tomcat 4—the popular, award-winning server for implementing and deploying servlets and JavaServer Pages. Tomcat helps developers create dynamic Web content without the problems associated with other methods, like CGI scripts. Author Peter Harrison has written the first book to cover Tomcat from a developer's perspective. He shows you how to use Tomcat by itself as well as with related Apache Jakarta technologies to develop dynamic Web applications, and you'll also learn techniques for improving your programming productivity. This practical, guide is packed with source code and examples of real-world Web applications. Plus, you'll discover other exciting features of Tomcat, including: A code-intensive guide to building Web applications that run on Tomcat Details on using other Apache Jakarta technologies-including Struts, Taglibs, Velocity, and CVS-with Tomcat to form a comprehensive Java Web development process Complete guidelines for installing, configuring, and administering Tomcat, including coverage of the new Manager application and Web application deployment process The companion Web site contains: All source code from the book Working demonstrations Links to additional resources This book teaches one how to program in the Velocity Template Language (VTL) and covers methods thereof with practical examples of how to script in Velocity. It also serves as a reference for readers who are Velocity developers. More detail available at <http://tech.beacondeacon.com/velocity>**

**If you already have even basic familiarity with HTML, CSS, and JavaScript, you're ready to learn how to build a browser-based game. In Build an HTML5 Game, you'll use your skills to create a truly cross-platform bubble-shooter game—playable in both desktop and mobile browsers. As you follow along with this in-depth, hands-on tutorial, you'll learn how to: Send sprites zooming around the screen with JavaScript animations Make things explode with a jQuery plug-in Use hitboxes and geometry to detect collisions Implement game logic to display levels and respond to player input Convey changes in game state with animation and sound Add flair to a game interface with CSS transitions and transformations Gain pixel-level control over your game display with the HTML canvas The programming starts right away in Chapter 1—no hemming and hawing, history, or throat clearing. Exercises at the end of each chapter challenge you to dig in to the bubble shooter's code and modify the game. Go ahead. Take the plunge. Learn to create a complete HTML5 game right now and then use your newfound skills to build your own mega-popular, addictive game.**

**Programmers run into parsing problems all the time. Whether it's a data format like JSON, a network protocol like SMTP, a server configuration file for Apache, a PostScript/PDF file, or a simple spreadsheet macro language--ANTLR v4 and this book will demystify the process. ANTLR v4 has been rewritten from scratch to make it easier than ever to build parsers and the language applications built on top. This completely rewritten new edition of the bestselling Definitive ANTLR Reference shows you how to take advantage of these new features. Build your own languages with ANTLR v4, using ANTLR's new advanced parsing technology. In this book, you'll learn how ANTLR automatically builds a data structure representing the input (parse tree) and generates code that can walk the tree (visitor). You can use that combination to implement data readers, language interpreters, and translators. You'll start by learning how to identify grammar patterns in language reference manuals and then slowly start building increasingly complex grammars. Next, you'll build applications based upon those grammars by walking the automatically generated parse trees. Then you'll tackle some nasty language problems by parsing files containing more than one language (such as XML, Java, and Javadoc). You'll also see how to take absolute control over parsing by embedding Java actions into the grammar. You'll learn directly from well-known parsing expert Terence Parr, the ANTLR creator and project lead. You'll master ANTLR grammar construction and learn how to build language tools using the built-in parse tree visitor mechanism. The book teaches using real-world examples and shows you how to use ANTLR to build such things as a data file reader, a JSON to XML translator, an R parser, and a Java class->interface extractor. This book is your ticket to becoming a parsing guru! What You Need: ANTLR 4.0 and above. Java development tools. Ant build system optional(needed for building ANTLR from source)**

**Apache**

**Struts in Action**

**Practical solutions to building serverless applications using Java and AWS**

**Using JIRA Effectively: Custom Development**

**Build an HTML5 Game**

**Designing Data-Intensive Applications**

**PROFESS STRUTS,**

The Web Development Glossary is probably the largest of its kind. With more than 2,000 terms and explanations it acquaints and reunites you with the major standards and concepts of HTML, CSS, JavaScript, accessibility, security, performance, code quality, internationalization, localization, editors and tooling and more. The glossary then goes beyond web development to computer science, design, typography, usability and user experience, information as well as project management, other disciplines of interest and relevance to the modern developer. Inspiring the curiosity to learn more about the Web and the people creating and using it. And still it is a glossary, of a couple of thousand terms for developers, leaning on (and giving credit to) the MDN Web Docs. ? This is the book if you choose to extend and validate your web and software development knowledge.

Take your e-learning, research, and collaboration experience to the next level.

IBM® Business Process Manager (IBM BPM) is a comprehensive business process management (BPM) suite that provides visibility and management of your business processes. IBM BPM provides a whole BPM lifecycle approach: Discover and document Plan Implement Deploy Manage Optimize Process owners and business owners can use this solution to engage directly in the business processes. IBM BPM excels in integrating role-based process design, and provides a social BPM experience. It enables asset sharing and creating versions through its Process Center acts as a unified repository, making it possible to manage changes to the business processes with confidence. IBM BPM supports a wide range of standards for process modeling. Analytics and search capabilities help to further improve and optimize the business processes. This IBM Redbooks® publication provides valuable information for project teams and individuals who are involved in projects using IBM BPM. It describes the important design decisions that you face as a team. These decisions invariably have an effect on the success of your project. From the more business-centric decisions, such as which should be your first process, to the more technical decisions, such as solution analysis and architectural considerations.

A comprehensive tutorial on how to use the power of Velocity 1.3 to build Web sites and generate content. Designed to work hand-in-hand with Apache Turbine, Struts, and servlets, this template language greatly enhances the developer's ability to customize Web sites. It separates Java code from the Web pages, making a site more maintainable. Because of this, Velocity is expected to become the standard template engine. In addition to its use with Struts and Turbine, Velocity can also be used to generate Java and XML source code, HTML templates, and SQL code. Even with all its promise, finding expert instructions on how to properly program with this language has been difficult. This code-intensive tutorial gives you what you'll need. It begins by quickly bringing you up to speed on all of the Velocity fundamentals and the Velocity Template Language. You'll then learn how to apply Velocity in a variety of ways through richly detailed code examples. Additionally, you'll be taken through the steps of building a complete application in order to see how you can utilize all of the techniques and technologies available. Covering the latest features of Velocity 1.3, *Mastering Apache Velocity* shows you how to:

- \* Build Java-based Web sites with Struts, servlets, Turbine, and other open-source tools

Web content and code, including Java, XML, SQL, and Postgres

Basics to Best Practices

A Study Guide

Mastering Apache Velocity

The Official Guide to Liferay Portal Development

Sakai CLE Courseware Management

Professional Struts Applications

Smart Information and Knowledge Management

Building web applications that are maintainable and extensible requires a significant amount of design and planning before even a single line of code can be written. However, by leveraging pre-written development frameworks, a development team can reduce the amount of time it takes to deploy an application, while at the same time promoting reuse. Traditionally, development frameworks required significant amounts of time and energy to implement. The alternative to implementing a framework was to purchase one, but this was often an expensive option that required a significant commitment to one software vendor.

Accelerate your enterprise search engine and bring relevancy in your search analytics Key Features A practical guide in building expertise with Indexing, Faceting, Clustering and Pagination Master the management and administration of Enterprise Search Applications and services seamlessly Handle multiple data inputs such as JSON, xml, pdf, doc, xls,ppt, csv and much more. Book Description Apache Solr is the only standalone enterprise search server with a REST-like application interface. providing highly scalable, distributed search and index replication for many of the world's largest internet sites. To begin with, you would be introduced to how you perform full text search, multiple filter search, perform dynamic clustering and so on helping you to brush up the basics of Apache Solr. You will also explore the new features and advanced options released in Apache Solr 7.x which will get you numerous performance aspects and making data investigation simpler, easier and powerful. You will learn to build complex queries, extensive filters and how are they compiled in your system to bring relevance in your search tools. You will learn to carry out Solr scoring, elements affecting the document score and how you can optimize or tune the score for the application at hand. You will learn to extract features of documents, writing complex queries in re-ranking the documents. You will also learn advanced options helping you to know what content is indexed and how the extracted content is indexed. Throughout the book, you would go through complex problems with solutions along with varied approaches to tackle your business needs. By the end of this book, you will gain advanced proficiency to build out-of-box smart search solutions for your enterprise demands. What you will learn Design schema using schema API to access data in the database Advance querying and fine-tuning techniques for better performance Get to grips with indexing using Client API Set up a fault tolerant and highly available server with newer distributed capabilities, SolrCloud Explore Apache Tika to upload data with Solr Cell Understand different data operations that can be done while indexing Master advanced querying through Velocity Search UI, faceting and Query Re-ranking, pagination and spatial search Learn to use JavaScript, Python, SolrJ and Ruby for interacting with Solr Who this book is for The book would rightly appeal to developers, software engineers, data engineers and database architects who are building or seeking to build enterprise-wide effective search engines for business intelligence. Prior experience of Apache Solr or Java programming is must to take the best of this book.

One advantage of using JIRA for issue tracking, bug tracking, or project management is the ability to extend this tool with hundreds of plugins from the JIRA community. In this concise book, software toolsmith Matt Doar—the author of *Practical JIRA Administration*—shows you how to create and maintain your own JIRA plugins to meet the specific needs of a project. This book uses detailed examples to clarify some of the more confusing aspects of JIRA plugins, and serves as an ideal supplement to the extensive documentation already available. Use JIRA's Plugin SDK, and learn several aspects common to all plugins Create your own custom field type, using a JIRA plugin Delve into advanced aspects of custom field plugins, and discover how searching for values in custom fields works Create JIRA plugins to use with workflows, and learn about conditions, validators, and post-functions Store data using the PropertySet interface and the Active Objects plugin Upgrade a plugin and upload it to Atlassian Plugin Exchange (PAC)

There are dozens of Java frameworks out there, but most of them require you to learn special coding techniques and new, often rigid, patterns of development. Wicket is different. As a component-based Web application framework, Wicket lets you build maintainable enterprise-grade web applications using the power of plain old Java objects (POJOs), HTML, Ajax, Spring, Hibernate and Maven. Wicket automatically manages state at the component level, which means no more awkward HttpSession objects. Its elegant programming model enables you to write rich web applications quickly. *Wicket in Action* is an authoritative, comprehensive guide for Java developers building Wicket-based Web applications. This book starts with an introduction to Wicket's structure and components, and moves quickly into examples of Wicket at work. Written by two of the project's earliest and most authoritative experts, this book shows you both the "how-to" and the "why" of Wicket. As you move through the book, you'll learn to use and customize Wicket components, how to interact with other technologies like Spring and Hibernate, and how to build rich, Ajax-driven features into your applications. 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.

Scripting with a \$ here and a # to do

Wicket in Action

Encyclopedia of Business Analytics and Optimization

Apache Tomcat 7

Web Development with Java

Apache Hadoop 3 Quick Start Guide

Learn about big data processing and analytics

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.

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.

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.

As the age of Big Data emerges, it becomes necessary to take the five dimensions of Big Data- volume, variety, velocity, volatility, and veracity- and focus these dimensions towards one critical emphasis - value. The Encyclopedia of Business Analytics and Optimization confronts the challenges of information retrieval in the age of Big Data by exploring recent advances in the areas of knowledge management, data visualization, interdisciplinary communication, and others. Through its critical approach and practical application, this book will be a must-have reference for any professional, leader, analyst, or manager interested in making the most of the knowledge resources at their disposal.

Struts 2 Design and Programming

JIRA Development Cookbook

Velocity: The Basics

Serverless Programming Cookbook

Struts Survival Guide

Big Data Analytics with Java

Spring Framework –

SpEL,

Java.

IoC

Spring,

3-

2-

Spring,

A fast paced guide that will help you learn about Apache Hadoop 3 and its ecosystem Key Features Set up, configure and get started with Hadoop to get useful insights from large data sets Work with the different components of Hadoop such as MapReduce, HDFS and YARN Learn about the new features introduced in Hadoop 3 Book Description Apache Hadoop is a widely used distributed data platform. It enables large datasets to be efficiently processed instead of using one large computer to store and process the data. This book will get you started with the Hadoop ecosystem, and introduce you to the main technical topics, including MapReduce, YARN, and HDFS. The book begins with an overview of big data and Apache Hadoop. Then, you

will set up a pseudo Hadoop development environment and a multi-node enterprise Hadoop cluster. You will see how the parallel programming paradigm, such as MapReduce, can solve many complex data processing problems. The book also covers the important aspects of the big data software development lifecycle, including quality assurance and control, performance, administration, and monitoring. You will then learn about the Hadoop ecosystem, and tools such as Kafka, Sqoop, Flume, Pig, Hive, and HBase. Finally, you will look at advanced topics, including real time streaming using Apache Storm, and data analytics using Apache Spark. By the end of the book, you will be well versed with different configurations of the Hadoop 3 cluster. What you will learn Store and analyze data at scale using HDFS, MapReduce and YARN Install and configure Hadoop 3 in different modes Use Yarn effectively to run different applications on Hadoop based platform Understand and monitor how Hadoop cluster is managed Consume streaming data using Storm, and then analyze it using Spark Explore Apache Hadoop ecosystem components, such as Flume, Sqoop, HBase, Hive, and Kafka Who this book is for Aspiring Big Data professionals who want to learn the essentials of Hadoop 3 will find this book to be useful. Existing Hadoop users who want to get up to speed with the new features introduced in Hadoop 3 will also benefit from this book. Having knowledge of Java programming will be an added advantage.

The Spring Framework is a major open source application development framework that makes Java/J2EE(TM) development easier and more productive. This book shows you not only what Spring can do but why, explaining its functionality and motivation to help you use all parts of the framework to develop successful applications. You will be guided through all the Spring features and see how they form a coherent whole. In turn, this will help you understand the rationale for Spring's approach, when to use Spring, and how to follow best practices. All this is illustrated with a complete sample application. When you finish the book, you will be well equipped to use Spring effectively in everything from simple Web applications to complex enterprise applications. What you will learn from this book \* The core Inversion of Control container and the concept of Dependency Injection \* Spring's Aspect Oriented Programming (AOP) framework and why AOP is important in J2EE development \* How to use Spring's programmatic and declarative transaction management services effectively \* Ways to access data using Spring's JDBC functionality, iBATIS SQL Maps, Hibernate, and other O/R mapping frameworks \* Spring services for accessing and implementing EJBs \* Spring's remoting framework Who this book is for This book is for Java/J2EE architects and developers who want to gain a deeper knowledge of the Spring Framework and use it effectively. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

Jakarta CommonsはJava言語でプログラムを開発する際に使用する再利用可能なライブラリ群です。テキスト操作、コレクション操作、XML、入出力などさまざまな機能を集めているため、Commonsを活用できれば、コードのミスがなくし、余計な手間や時間を省くことができます。本書はCommonsを一問一答形式で解説します。目次をみながら自分の欲しい機能を探し、解法を導き出せます。さらに詳細な解説と豊富なサンプルコードにより深い知識が身につきます。

Kubernetes Patterns

The Complete Guide

Building Web Sites with Struts ObjectRelational Bridge, Lucene, and Velocity

Liferay in Action

Using Hibernate, JSPs and Servlets

Handbook of Big Data Technologies

More Than 2,000 Key Terms for Developers

If you ' ve been asked to maintain large and complex Hadoop clusters, this book is a must. Demand for operations-specific material has skyrocketed now that Hadoop is becoming the de facto standard for truly large-scale data processing in the data center. Eric Sammer, Principal Solution Architect at Cloudera, shows you the particulars of running Hadoop in production, from planning, installing, and configuring the system to providing ongoing maintenance. Rather than run through all possible scenarios, this pragmatic operations guide calls out what works, as demonstrated in critical deployments. Get a high-level overview of HDFS and MapReduce: why they exist and how they work Plan a Hadoop deployment, from hardware and OS selection to network requirements Learn setup and configuration details with a list of critical properties Manage resources by sharing a cluster across multiple groups Get a runbook of the most common cluster maintenance tasks Monitor Hadoop clusters—and learn troubleshooting with the help of real-world war stories Use basic tools and techniques to handle backup and catastrophic failure

Offering both theoretical explanations and real-world applications, this in-depth guide covers the 2.0 version of Struts, revealing how to design, build, and improve Java-based Web applications within the Struts development framework. Feature functionality is explained in detail to help programmers choose the most appropriate feature to accomplish their objectives, while other chapters are devoted to file uploading, paging, and object caching.

DocBook XSL: The Complete Guide (Fourth Edition) by Bob Stayton is the definitive guide to using the DocBook XSL stylesheets. It provides the missing documentation to realize the full potential of DocBook publishing. It covers all aspects of DocBook publishing tools, including installing, using, and customizing the stylesheets and processing tools. With this book, you can: (a) select the DocBook components that are appropriate for your needs and budget, (b) set up and configure the tools for efficient processing of your documents, (c) generate HTML and print output from the same DocBook files, (d) customize your HTML and print output (e) discover and use advanced features of the DocBook stylesheets. The book is suitable for new users just getting started, as well as more advanced users needing a complete reference. It is thoroughly indexed and cross referenced so you can quickly find what you need. The Fourth Edition updates the content to the latest stylesheets and DocBook version 5.

Struts solves the most common problems of web development. By basing your application on the Struts web application framework, you can reuse proven solutions and focus on what's unique to your own case. Struts is an open-source product distributed by the Apache Software Foundation.

DevOps Tools for Java Developers

The Official Guide

An expert guide to advancing, optimizing, and scaling your enterprise search

Professional Java Development with the Spring Framework

Advances, Challenges, and Critical Issues

Building Web Applications with the Leading Java Framework  
Reusable Elements for Designing Cloud-Native Applications

*This book is part of Packt's Cookbook series. A Packt Cookbook contains step-by-step recipes for solutions to the most important problems you face when working with a topic. Inside this Cookbook you will find: A straightforward and easy-to-follow format, A selection of the most important tasks and problems, Carefully organized instructions for solving the problem efficiently, Clear explanations of what you did Details for applying the solution to other situations If you are a JIRA developer or project manager who wants to fully exploit the exciting capabilities of JIRA, then this is the perfect book for you.*

*This book constitutes the refereed proceedings of the Third International Conference on Generative Programming and Component Engineering, GPCE 2004, held in Vancouver, Canada in October 2004. The 25 revised full papers presented together with abstracts of 2 invited talks were carefully reviewed and selected from 75 submissions. The papers are organized in topical sections on aspect-orientation, staged programming, types for meta-programming, meta-programming, model-driven approaches, product lines, and domain-specific languages and generation. More than 100,000 entrepreneurs rely on this book for detailed, step-by-step instructions on building successful, scalable, profitable startups. The National Science Foundation pays hundreds of startup teams each year to follow the process outlined in the book, and it's taught at Stanford, Berkeley, Columbia and more than 100 other leading universities worldwide. Why? The Startup Owner's Manual guides you, step-by-step, as you put the Customer Development process to work. This method was created by renowned Silicon Valley startup expert Steve Blank, co-creator with Eric Ries of the "Lean Startup" movement and tested and refined by him for more than a decade. This 608-page how-to guide includes over 100 charts, graphs, and diagrams, plus 77 valuable checklists that guide you as you drive your company toward profitability. It will help you:*

- Avoid the 9 deadly sins that destroy startups' chances for success
- Use the Customer Development method to bring your business idea to life
- Incorporate the Business Model Canvas as the organizing principle for startup hypotheses
- Identify your customers and determine how to "get, keep and grow" customers profitably
- Compute how you'll drive your startup to repeatable, scalable profits.

*The Startup Owner's Manual was originally published by K&S Ranch Publishing Inc. and is now available from Wiley. The cover, design, and content are the same as the prior release and should not be considered a new or updated product.*

*Summary Liferay in Action is a comprehensive and authoritative guide to building portals on the Liferay 6 platform. Fully supported and authorized by Liferay, this book guides you smoothly from your first exposure to Liferay through the crucial day-to-day tasks of building and maintaining an enterprise portal that works well within your existing IT infrastructure. About the Technology A portal is a website built around a collection of components that request, display, and share information. Liferay Portal 6, an enterprise-ready development platform, makes it a snap to build portals that integrate with your existing backend systems and provide a rich interactive user experience. Because Liferay uses standard Java and JavaScript, along with built-in SOAP and JSON support for web services, developers can be productive immediately. And since it's available in both a free, open source version as well as a fully-supported commercial edition, it's an affordable solution for almost any business or organization About the Book Liferay in Action is the official guide to building Liferay portal applications using Java and JavaScript. If you've never used Liferay before, don't worry. This book starts with the basics: setting up your development environment and creating a working portal. Then, it builds on that foundation to help you discover social features, tagging, ratings, and more. You'll also explore the Portlet 2.0 API, and learn to create custom themes and reusable templates. Experienced developers will learn how to use new Liferay APIs to build social and collaborative sites, use the message bus and workflow, implement indexing and search, and more. This book was developed in close collaboration with Liferay engineers, so it answers the right questions, and answers them in depth. No experience with Liferay or the Portlets API is required, but basic knowledge of Java and web technology is assumed. 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 Complete coverage of Liferay Portal 6 Covers both the commercial and open source versions Custom portlet development using the Portlet 2.0 spec Liferay's social network API Add functionality with hooks and Ext plugins ===== Table of Contents PART 1 WORKING WITH LIFERAY AND PORTLETS The Liferay difference Getting started with the Liferay development platform PART 2 WRITING APPLICATIONS ON LIFERAY'S PLATFORM A data-driven portlet made easy MVC the Liferay way Designing your site with themes and layout templates Making your site social Enabling user collaboration PART 3 CUSTOMIZING LIFERAY Hooks Extending Liferay effectively A tour of Liferay APIs*

*Spring 6 deücm6uu*

*The Startup Owner's Manual*

*Third International Conference, GPCE 2004, Vancouver, Canada, October 24-28, 2004. Proceedings*

*Generative Programming and Component Engineering*

*Mastering Tomcat Development*

*The Step-By-Step Guide for Building a Great Company*

*A Tutorial*

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.

Apache Tomcat is the most popular open-source de-facto Java Web application server, standard for today's Web developers using JSP/Servlets. Apache Tomcat 7 covers details on installation and administration of Apache Tomcat 7. It explains key parts of the Tomcat architecture, and provides an introduction to Java Servlet and JSP APIs in the context of the Apache Tomcat server. In addition to basic concepts and administration tasks, Apache Tomcat 7 covers some of the most frequently used advanced features of Tomcat, including security, Apache web server integration, load balancing, and embedding Tomcat server in Java applications. Finally, through a practical primer, it shows how to integrate and use some of the most popular Java technologies with Apache Tomcat. In summary, Apache Tomcat 7 offers both novice and intermediate Apache Tomcat users a practical and comprehensive guide to this powerful software.

Professional Java Development with the Spring Framework John Wiley & Sons