

Mastering Jboss Drools 6 English Edition

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Jess in Action Ernest Friedman-Hill 2003-06-01 *Jess in Action* first introduces rule programming concepts and teaches you the Jess language. Armed with this knowledge, you then progress through a series of fully-developed applications chosen to expose you to practical rule-based development. The book shows you how you can add power and intelligence to your Java software.

Proceedings of the 14th European Conference on Knowledge Management Brigita Janiūnaitė 2013-01-09 The University of Jyväskylä is proud to welcome the 12th edition of the European Conference in Cyber Warfare to Jyväskylä. We intend to make this event as enjoyable as possible both on scientific and human aspects. As in previous years, ECCWS will address elements of both theory and practice of all aspects of Information Warfare and Security, and offers an opportunity for academics, practitioners and consultants involved in these areas to come together and exchange ideas. We also wish to attract operational papers dealing with the critical issue that the modern world has to face regarding the evolution of cyberwarfare capabilities development by nation states. The programme for the event promises an extensive range of peer-reviewed papers, networking opportunities and presentations from leaders in the field."

Kafka Streams in Action Bill Bejeck 2018-08-29 Summary *Kafka Streams in Action* teaches you everything you need to know to implement stream processing on data flowing into your Kafka platform, allowing you to focus on getting more from your data without sacrificing time or effort. Foreword by Neha Narkhede, Cocreator of Apache Kafka Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Not all stream-based applications require a dedicated processing cluster. The lightweight Kafka Streams library provides exactly the power and simplicity you need for message handling in microservices and real-time event processing. With the Kafka Streams API, you filter and transform data streams with just Kafka and your application. About the Book *Kafka Streams in Action* teaches you to implement stream processing within the Kafka platform. In this easy-to-follow book, you'll explore real-world examples to collect, transform, and aggregate data, work with multiple processors, and handle real-time events. You'll even

dive into streaming SQL with KSQL! Practical to the very end, it finishes with testing and operational aspects, such as monitoring and debugging. What's inside Using the KStreams API Filtering, transforming, and splitting data Working with the Processor API Integrating with external systems About the Reader Assumes some experience with distributed systems. No knowledge of Kafka or streaming applications required. About the Author Bill Bejeck is a Kafka Streams contributor and Confluent engineer with over 15 years of software development experience. Table of Contents PART 1 - GETTING STARTED WITH KAFKA STREAMS Welcome to Kafka Streams Kafka quicklyPART 2 - KAFKA STREAMS DEVELOPMENT Developing Kafka Streams Streams and state The KTable API The Processor APIPART 3 - ADMINISTERING KAFKA STREAMS Monitoring and performance Testing a Kafka Streams applicationPART 4 - ADVANCED CONCEPTS WITH KAFKA STREAMS Advanced applications with Kafka StreamsAPPENDIXES Appendix A - Additional configuration information Appendix B - Exactly once semantics

Agents for Games and Simulations Frank Dignum 2009-12-01 Research on multi-agent systems has provided a promising technology for implementing cognitive intelligent non-playing characters. However, the technologies used in game engines and multi-agent platforms are not readily compatible due to some inherent differences in concerns. Where game engines focus on real-time aspects and thus propagate efficiency and central control, multi-agent platforms assume autonomy of the agents. Increased autonomy and intelligence may offer benefits for a more compelling gameplay and may even be necessary for serious games. However, problems occur when current game design techniques are used to incorporate state-of-the-art multi-agent system technology. A very similar argument can be given for agent-based (social) simulation. This volume contains the papers presented at AGS 2009, the First International Workshop on Agents for Games and Simulations, held in Budapest on May 11, 2009. The focus of the workshop was on the particular challenges facing those using agent technology for games and simulations, with topics covering the technical, conceptual and design aspects of the field.

Drools JBoss Rules 5.0 Developer's Guide Michal Bali 2009 This is a problem-solution guide that starts with an introduction to a problem and continues with a discussion of the possible solution. The book covers best practices when working with Drools. The examples and their solutions are accompanied by plenty of code listings and figures providing a better view of the problem. The book is for Java developers who want to create rules-based business logic using the Drools platform. Basic knowledge of Java is essential.

Professional ASP.NET 3.5 SP1 Edition Bill Evjen 2011-01-07 Professional ASP.NET 3.5 SP1 In C# and VB ASP.NET 3.5 brings the power of Visual Studio 2008 along with the multitude of language improvements in C# 2008 and Visual Basic 2008 as well as powerful new technology called LINQ, together with the ASP.NET 2.0 Framework you already know and love. Packed with valuable coverage of ASP.NET 3.5 SP1, this essential resource offers both C# and VB examples throughout the book, and shares new and updated content on the ADO.NET Entity Framework, ADO.NET Dynamic Data, and ADO.NET Data Services. While ASP.NET 3.5 boasts

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server controls like the ListView and the incredibly flexible GridView, it also includes advancements in AJAX technology combined with JavaScript debugging features in Visual Studio 2008. With this book, a stellar author team covers the new controls in the AJAX toolbox, the back button history, and script combining, and they also examine the new capabilities of WCF including changes to DataContractSerializer. In addition, the accompanying CD-ROM features the entire book in PDF format. What you will learn from this book

- The concepts underlying the server control and its pivotal role in ASP.NET development
- How to create templated ASP.NET pages using the master page feature
- How to work with data from enterprise databases including SQL Server
- Ways to debug, package, and deploy ASP.NET applications, monitor their health and performance, and handle errors
- How to retrieve, update, and delete data quickly and logically using LINQ with side-by-side examples comparing LINQ to existing techniques
- Ways to localize your web site in multiple languages for a world-wide audience
- Methods for adding AJAX capabilities to your ASP.NET applications
- The many benefits of the new data access additions
- Ways to use and extend the Provider Model for accessing data stores, processes, and more
- What freeware tools you need in Scott Hanselman's ASP.NET Ultimate Developer Tools appendix

Who this book is for: This book is for programmers and developers who are looking to make the transition to ASP.NET 3.5 SP1 with Visual Studio 2008 and either C# 3.0 (2008) or Visual Basic 9 (2008). CD-ROM includes the full book in PDF format and a selection of 7 Wrox Blox mini e-books including: Internet Explorer 8 and Its Impact on Your ASP.NET Web Sites Jumping from ASP.NET to Silverlight 2 Leverage LINQ in ASP.NET 3.5 Projects Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

JBPM5 Developer Guide Mauricio Salatino 2012 Approached from a developer's perspective, the "jBPM 5 Developer Guide" teaches readers all the essentials of Business Process Management through applicable examples with helpful screenshots and diagrams. This book is for Java developers and Java architects who need to have a deep understanding of how Business Process Management frameworks behave in real-life implementations. The book introduces you to the jBPM5 and Drools Community where you can contribute; providing ideas, adding code, fixing issues, or providing documentation and examples. The book assumes that you know the Java language well and also know some widely used frameworks, for example Hibernate and Log4J. You should also know the basics of relational databases and the Eclipse IDE.

Architecting the Internet of Things Dieter Uckelmann 2011-04-02 Many of the initial developments towards the Internet of Things have focused on the combination of Auto-ID and networked infrastructures in business-to-business logistics and product lifecycle applications. However, the Internet of Things is more than a business tool for managing business processes more efficiently and more effectively – it will also enable a more convenient way of life. Since the term Internet of Things first came to attention when the Auto-ID Center launched their initial vision for the EPC network for automatically identifying and tracing the flow of goods within supply-chains, increasing numbers of researchers and practitioners have further developed this vision. The authors

in this book provide a research perspective on current and future developments in the Internet of Things. The different chapters cover a broad range of topics from system design aspects and core architectural approaches to end-user participation, business perspectives and applications.

C in a Nutshell Peter Prinz 2005-12-16 Learning a language--any language-- involves a process wherein you learn to rely less and less on instruction and more increasingly on the aspects of the language you've mastered. Whether you're learning French, Java, or C, at some point you'll set aside the tutorial and attempt to converse on your own. It's not necessary to know every subtle facet of French in order to speak it well, especially if there's a good dictionary available. Likewise, C programmers don't need to memorize every detail of C in order to write good programs. What they need instead is a reliable, comprehensive reference that they can keep nearby. C in a Nutshell is that reference. This long-awaited book is a complete reference to the C programming language and C runtime library. Its purpose is to serve as a convenient, reliable companion in your day-to-day work as a C programmer. C in a Nutshell covers virtually everything you need to program in C, describing all the elements of the language and illustrating their use with numerous examples. The book is divided into three distinct parts. The first part is a fast-paced description, reminiscent of the classic Kernighan & Ritchie text on which many C programmers cut their teeth. It focuses specifically on the C language and preprocessor directives, including extensions introduced to the ANSI standard in 1999. These topics and others are covered: Numeric constants Implicit and explicit type conversions Expressions and operators Functions Fixed-length and variable-length arrays Pointers Dynamic memory management Input and output The second part of the book is a comprehensive reference to the C runtime library; it includes an overview of the contents of the standard headers and a description of each standard library function. Part III provides the necessary knowledge of the C programmer's basic tools: the compiler, the make utility, and the debugger. The tools described here are those in the GNU software collection. C in a Nutshell is the perfect companion to K&R, and destined to be the most reached-for reference on your desk.

Mastering JBoss Drools 6 Mauricio Salatino 2016-03-31 Discover the power of Drools 6 and Business Rules for developing complex scenarios in your applications About This Book Implement and model different rules using the DRL full syntax Model complex business decisions and domain models in order to automate and improve your operational decisions with the Drools framework A practical, fast-paced, hands-on guide to help you use the different components provided by the Drools Rule Engine Who This Book Is For This book is for Java developers and architects who need to have a deep understanding of how to create or integrate your applications with the Drools Rules Framework. The book assumes that you know the Java language well and also have experience with some widely used frameworks, such as Spring. You should also know the basics of Maven-based applications. What You Will Learn Automate your application's decisions, such as promotion applying, discount policies, fraud detection, and more. Quickly get started with writing your first rules using the DRL full

syntax. Discover the power of the new syntax components of the rule language. Define inferences in your business rules to simplify complex decisions. Write decision tables, templates, domain-specific languages, and scorecards, and learn how to map them to the Drools framework. Harness the full operational power of Drools through all of its configuration points. Use Drools configurations and architectures for different environments and scenarios. In Detail Mastering JBoss Drools 6 will provide you with the knowledge to develop applications involving complex scenarios. You will learn how to use KIE modules to create and execute Business Rules, and how the PHREAK algorithm internally works to drive the Rule Engine decisions. This book will also cover the relationship between Drools and jBPM, which allows you to enrich your applications by using Business Processes. You will be briefly introduced to the concept of complex event processing (Drools CEP) where you will learn how to aggregate and correlate your data based on temporal conditions. You will also learn how to define rules using domain-specific languages, such as spreadsheets, database entries, PMML, and more. Towards the end, this book will take you through the integration of Drools with the Spring and Camel frameworks for more complex applications. Style and approach Approached from a developer's perspective, the book teaches you all the advanced concepts of Business Rules applicable examples with helpful screenshots, diagrams, tutorials, and examples.

API Security in Action Neil Madden 2020-11-20 API Security in Action teaches you how to create secure APIs for any situation. By following this hands-on guide you'll build a social network API while mastering techniques for flexible multi-user security, cloud key management, and lightweight cryptography. Summary A web API is an efficient way to communicate with an application or service. However, this convenience opens your systems to new security risks. API Security in Action gives you the skills to build strong, safe APIs you can confidently expose to the world. Inside, you'll learn to construct secure and scalable REST APIs, deliver machine-to-machine interaction in a microservices architecture, and provide protection in resource-constrained IoT (Internet of Things) environments. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the technology APIs control data sharing in every service, server, data store, and web client. Modern data-centric designs—including microservices and cloud-native applications—demand a comprehensive, multi-layered approach to security for both private and public-facing APIs. About the book API Security in Action teaches you how to create secure APIs for any situation. By following this hands-on guide you'll build a social network API while mastering techniques for flexible multi-user security, cloud key management, and lightweight cryptography. When you're done, you'll be able to create APIs that stand up to complex threat models and hostile environments. What's inside Authentication Authorization Audit logging Rate limiting Encryption About the reader For developers with experience building RESTful APIs. Examples are in Java. About the author Neil Madden has in-depth knowledge of applied cryptography, application security, and current API security technologies. He holds a Ph.D. in Computer Science. Table of Contents PART 1 - FOUNDATIONS 1 What is API security? 2 Secure API development 3 Securing the Natter API PART 2 - TOKEN-

BASED AUTHENTICATION 4 Session cookie authentication 5 Modern token-based authentication 6 Self-contained tokens and JWTs PART 3 - AUTHORIZATION 7 OAuth2 and OpenID Connect 8 Identity-based access control 9 Capability-based security and macaroons PART 4 - MICROSERVICE APIs IN KUBERNETES 10 Microservice APIs in Kubernetes 11 Securing service-to-service APIs PART 5 - APIs FOR THE INTERNET OF THINGS 12 Securing IoT communications 13 Securing IoT APIs

Programming 101 Jeanine Meyer 2018-06-15 Understand the importance of programming, even if you've never programmed before! This book will teach you the basics of programming using the Processing programming language. You will create your own Processing sketches, using personal images, themes, or hobbies that you enjoy. The chapters in the book will demonstrate the process of programming, starting with formulating an idea, planning, building on past projects, and refining the work, similar to writing an essay or composing a song. This approach will guide you to make use of logic and mathematics to produce beautiful effects. The term for program in Processing is sketch, though the sketches featured in this book are far more than static drawings; they incorporate interaction, animation, video, audio, and accessing files on the local computer and on the Web. Technical features are introduced and explained in the context of complete examples: games (Snake, Hangman, jigsaw, slingshot), making a collage of family images and video clips, preparing directions for folding an origami model, rotating objects in 3D, and others. Programming is a fun, creative, expressive pursuit. It requires attention to details and can be frustrating, but there is very little that compares to the satisfaction of building a program out of nothing and making it work (or taking an existing program and fixing a problem, or adding a feature and making it better). Programming 101 is your gateway to making this happen. What You Will Learn Gain basic programming skills Build fun and creative programs Use files for making a holiday card Combine videos, images, and graphics in a Processing sketch Who This Book Is For Anyone who has been thinking about trying programming, or has tried, but needs more motivation; anyone who wants to learn about the Processing language.

Vmware Esxi 5.1 Cookbook Mohammed Raffic Kajamoideen 2013-08 "VMware ESXi 5.1" is written in a Cookbook style, learn through practical real world recipes and examples. "VMware ESXi 5.1 Cookbook" is written for technical professionals with system administration skills and foundation knowledge of virtualization and who need to learn about the installation, configuration, and administration of vSphere 5.1. Essential virtualization and ESX or ESXi knowledge is advantageous.

Botulinum Toxin in Aesthetic Medicine Mauricio de Maio 2007 Written by two renowned experts, this book surveys the use of botulinum toxin A in aesthetic medicine, including patient selection and evaluation, as well as rules and requirements. The book provides hands-on information for common indications, such as forehead and glabella, lateral brow lift, crow's feet and lower eyelid, bunny lines and marionette lines, nose and nasolabial folds, cheeks and "gummy smile," upper and lower lip, and the chin and neck. A section with tips and

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tricks makes this book an invaluable resource for the practicing dermatologist, plastic surgeons and all other physicians interested in the field of aesthetic medicine.

Mastering D3.js Pablo Navarro 2014-08-25 If you are a software developer working with data visualizations and want to build complex data visualizations, this book is for you. Basic knowledge of D3 framework is expected. With real-world examples, you will learn how to structure your applications to create enterprise-level charts and interactive dashboards.

Moodle 3 Administration Alex Büchner 2016-02-29 An administrator's guide to configuring, securing, customizing, and extending Moodle About This Book Learn how to plan, install, optimize, customize, and configure Moodle Guarantee a cutting-edge learning experience in a secure and customizable environment while optimizing your day-to-day workload A one-stop guide with a problem-solution approach and a wide range of real-world examples Who This Book Is For If you are a technician, systems administrator, or part of academic staff, this is the book for you. This book is ideal for anyone who has to administer a Moodle system. Whether you are dealing with a small-scale local Moodle system or a large-scale multi-site Virtual Learning Environment, this book will assist you with any administrative task. Some basic Moodle knowledge is helpful, but not essential. What You Will Learn Install and update Moodle on multiple platforms manually and via CLI and GIT Manage courses and categories, users and cohorts, as well as roles Get Moodle hooked up to repositories, portfolios, and open badges Configure Moodle for mobile usage, accessibility, localization, communication, and collaboration Guarantee backups, security and privacy, and achieve maximum performance via the Moodle Universal Cache and the new cron system Configure the Moodle events system to generate comprehensive reports, statistics, and learning analytics Network Moodle with Mahara and extend it with third-party add-ons and via LTI Customize Moodle web services to enable mobile learning and integration with other IT systems In Detail Moodle is the de facto standard for open source learning platforms. However, setting up and managing a learning environment can be a complex task since it covers a wide range of technical, organizational, and pedagogical topics. This ranges from basic user and course management, to configuring plugins and design elements, all the way to system settings, performance optimization, events frameworks, and so on. This book concentrates on basic tasks such as how to set up and configure Moodle and how to perform day-to-day administration activities, and progresses on to more advanced topics that show you how to customize and extend Moodle, manage courses, cohorts, and users, and how to work with roles and capabilities. You'll learn to configure Moodle plugins and ensure your VLE conforms to pedagogical and technical requirements in your organization. You'll then learn how to integrate the VLE via web services and network it with other sites, including Mahara, and extend your system via plugins and LTI. By the end of this book, you will be able to set up an efficient, fully fledged, and secure Moodle system. Style and approach The book takes a problem-solution approach to fall in line with your day-to-day operations. This is a one-stop reference for any task you will ever come across when administering a Moodle

site of any shape and size.

Ubuntu Server Cookbook Uday R. Sawant 2016-06-30 Arm yourself to make the most of the versatile, powerful Ubuntu Server with over 100 hands-on recipes About This Book Master the skills to setup secure and scalable web services with popular tools like Apache, Nginx, MySQL and HAProxy Set up your own cloud with Open Stack and quickly deploy applications with Docker or LXD Packed with clear, step-by-step recipes to let you protect you valuable data with your own chat servers, code hosting and collaboration tools. Who This Book Is For Ubuntu Server Cookbook is for system administrators or software developers with a basic understanding of the Linux operating system who want to set up their own servers. You are not required to have in-depth knowledge or hands-on experience with Ubuntu, but you should know the basics commands for directory navigation, file management, and the file editing tool. An understanding of computer networks is advisable What You Will Learn Set up high performance, scalable, and fault-tolerant back ends with web and database servers Facilitate team communication with a real-time chat service and collaboration tools Quickly deploy your applications to their own containers and scale your infrastructure as and when needed Find out how to set up your own cloud infrastructure for your internal use or rent it to the public Ensure quick and easy access for your users while also securing your infrastructure from intruders Set up a high performance private network with a personal VPN server and centralized authentication system Swiftly start a content streaming service Set up network storage for private data and source code and say good bye to costly and unreliable cloud services In Detail Ubuntu is one of the most secure operating systems and defines the highest level of security as compared other operating system. Ubuntu server is a popular Linux distribution and the first choice when deploying a Linux server. It can be used with a \$35 Raspberry Pi to top-notch, thousand-dollar-per-month cloud hardware. Built with lists that there are 4 million + websites built using Ubuntu. With its easy-to-use package management tools and availability of well-known packages, we can quickly set up our own services such as web servers and database servers using Ubuntu. This book will help you develop the skills required to set up high performance and secure services with open source tools. Starting from user management and an in-depth look at networking, we then move on to cover the installation and management of web servers and database servers, as well as load balancing various services. You will quickly learn to set up your own cloud and minimize costs and efforts with application containers. Next, you will get to grips with setting up a secure real-time communication system. Finally, we'll explore source code hosting and various collaboration tools. By the end of this book, you will be able to make the most of Ubuntu's advanced functionalities. Style and approach This easy-to-follow guide contains a series of step-by-step recipes ranging from simple to complex. Each topic will start with basic introduction to each technology followed by a detailed step-by-step installation guide and then a detailed explanation of the approach taken during installation and the various advanced options available.

Mastering JavaServer Faces 2.2 Anghel Leonard 2014-06-25 A homogenous guide

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integrating the features of JSF 2.x (2.0, 2.1 and 2.2), following a 'learning through examples' paradigm with its main focus on the advanced concepts of JSF. If you are a web developer who uses JSF, this is the book for you. Catering to an intermediate-advanced audience, the book assumes you have fundamental knowledge of JSF. It is intended for the developer who wants to improve their skills with the combined power of JSF 2.0, 2.1, and 2.2.

Big Data Rajkumar Buyya 2016-06-07 Big Data: Principles and Paradigms captures the state-of-the-art research on the architectural aspects, technologies, and applications of Big Data. The book identifies potential future directions and technologies that facilitate insight into numerous scientific, business, and consumer applications. To help realize Big Data's full potential, the book addresses numerous challenges, offering the conceptual and technological solutions for tackling them. These challenges include life-cycle data management, large-scale storage, flexible processing infrastructure, data modeling, scalable machine learning, data analysis algorithms, sampling techniques, and privacy and ethical issues. Covers computational platforms supporting Big Data applications Addresses key principles underlying Big Data computing Examines key developments supporting next generation Big Data platforms Explores the challenges in Big Data computing and ways to overcome them Contains expert contributors from both academia and industry

Innovations in Big Data Mining and Embedded Knowledge Anna Esposito 2019-07-03 This book addresses the usefulness of knowledge discovery through data mining. With this aim, contributors from different fields propose concrete problems and applications showing how data mining and discovering embedded knowledge from raw data can be beneficial to social organizations, domestic spheres, and ICT markets. Data mining or knowledge discovery in databases (KDD) has received increasing interest due to its focus on transforming large amounts of data into novel, valid, useful, and structured knowledge by detecting concealed patterns and relationships. The concept of knowledge is broad and speculative and has promoted epistemological debates in western philosophies. The intensified interest in knowledge management and data mining stems from the difficulty in identifying computational models able to approximate human behaviors and abilities in resolving organizational, social, and physical problems. Current ICT interfaces are not yet adequately advanced to support and simulate the abilities of physicians, teachers, assistants or housekeepers in domestic spheres. And unlike in industrial contexts where abilities are routinely applied, the domestic world is continuously changing and unpredictable. There are challenging questions in this field: Can knowledge locked in conventions, rules of conduct, common sense, ethics, emotions, laws, cultures, and experiences be mined from data? Is it acceptable for automatic systems displaying emotional behaviors to govern complex interactions based solely on the mining of large volumes of data? Discussing multidisciplinary themes, the book proposes computational models able to approximate, to a certain degree, human behaviors and abilities in resolving organizational, social, and physical problems. The innovations presented are of primary importance for: a. The academic research community b. The ICT market c. Ph.D. students and early stage

researchers d. Schools, hospitals, rehabilitation and assisted-living centers
e. Representatives from multimedia industries and standardization bodies

Injectable Fillers in Aesthetic Medicine Mauricio de Maio 2014-03-15 This book offers an excellent and comprehensive overview on the clinical use of fillers in aesthetic medicine that will assist both novice and advanced practitioners. Based on an evidence-based perspective, the book opens by describing the most common fillers, with information on their characteristics, efficacy and safety. The main part of the book then explains how to use fillers for the most frequent facial indications, such as the glabella, nasolabial folds, infraorbital hollow, nose, cheeks, lips and marionette lines. This new edition also includes chapters on extrafacial indications and treatment planning. All specific aesthetic procedures for the facial and extrafacial areas are described step by step, with the emphasis on a hands-on approach that highlights important do's and don'ts. The book concludes with chapters on how to deal with adverse reactions and how to combine fillers with other aesthetic procedures, ranging from botulinum toxin A to plastic surgery.

Learning Redis Vinoo Das 2015-06-26 This book will introduce Redis and help you understand its various facets. Starting with an introduction to NoSQL, you will learn how to install Redis and how to classify and work with data structures. By working with real world scenarios pertaining to using Redis, you will discover sharding and indexing techniques, along with how to improve scalability and performance through persistent strategies and data migration techniques. With the help of multiple examples, you will learn to design web and business applications. You will also learn how to configure Redis for setting up clusters and tuning it for performance. At the end of this book, you will find essential tips on backup and recovery strategies for the Redis environment.

PRIMA 2017: Principles and Practice of Multi-Agent Systems Bo An 2017-10-23 This book constitutes the refereed proceedings of the 20th International Conference on Principles and Practice of Multi-Agent Systems, PRIMA 2017, held in Nice, France, in October/November 2017. The 24 revised full papers presented together with one abstract of a keynote talk and 11 short papers were carefully reviewed and selected from 88 submissions. The intention of the papers is to showcase research in several domains, ranging from foundations of agent theory and engineering aspects of agent systems, to emerging interdisciplinary areas of agent-based research.

Mastering Jboss Drools 6 for Developers Mauricio Salatino 2016-03-28 Discover the power of Drools 6 and Business Rules for developing complex scenarios in your applications About This Book- Implement and model different rules using the DRL full syntax- Model complex business decisions and domain models in order to automate and improve your operational decisions with the Drools framework- A practical, fast-paced, hands-on guide to help you use the different components provided by the Drools Rule Engine Who This Book Is For This book is for Java developers and architects who need to have a deep understanding of how to

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create or integrate your applications with the Drools Rules Framework. The book assumes that you know the Java language well and also have experience with some widely used frameworks, such as Spring. You should also know the basics of Maven-based applications.

What You Will Learn- Automate your application's decisions, such as promotion applying, discount policies, fraud detection, and more.- Quickly get started with writing your first rules using the DRL full syntax.- Discover the power of the new syntax components of the rule language.- Define inferences in your business rules to simplify complex decisions.- Write decision tables, templates, domain-specific languages, and scorecards, and learn how to map them to the Drools framework.- Harness the full operational power of Drools through all of its configuration points.- Use Drools configurations and architectures for different environments and scenarios.

In Detail Mastering JBoss Drools 6 will provide you with the knowledge to develop applications involving complex scenarios. You will learn how to use KIE modules to create and execute Business Rules, and how the PHREAK algorithm internally works to drive the Rule Engine decisions. This book will also cover the relationship between Drools and jBPM, which allows you to enrich your applications by using Business Processes. You will be briefly introduced to the concept of complex event processing (Drools CEP) where you will learn how to aggregate and correlate your data based on temporal conditions. You will also learn how to define rules using domain-specific languages, such as spreadsheets, database entries, PMML, and more. Towards the end, this book will take you through the integration of Drools with the Spring and Camel frameworks for more complex applications.

Style and approach Approached from a developer's perspective, the book teaches you all the advanced concepts of Business Rules applicable examples with helpful screenshots, diagrams, tutorials, and examples.

Pro Hadoop Data Analytics Kerry Koitzsch 2016-12-29 Learn advanced analytical techniques and leverage existing tool kits to make your analytic applications more powerful, precise, and efficient. This book provides the right combination of architecture, design, and implementation information to create analytical systems that go beyond the basics of classification, clustering, and recommendation. Pro Hadoop Data Analytics emphasizes best practices to ensure coherent, efficient development. A complete example system will be developed using standard third-party components that consist of the tool kits, libraries, visualization and reporting code, as well as support glue to provide a working and extensible end-to-end system. The book also highlights the importance of end-to-end, flexible, configurable, high-performance data pipeline systems with analytical components as well as appropriate visualization results. You'll discover the importance of mix-and-match or hybrid systems, using different analytical components in one application. This hybrid approach will be prominent in the examples.

What You'll Learn Build big data analytic systems with the Hadoop ecosystem Use libraries, tool kits, and algorithms to make development easier and more effective Apply metrics to measure performance and efficiency of components and systems Connect to standard relational databases, noSQL data sources, and more Follow case studies with example components to create your own systems

Who This Book Is For Software engineers, architects, and data scientists with an interest in the design and implementation of big

data analytical systems using Hadoop, the Hadoop ecosystem, and other associated technologies.

Thoughtful Machine Learning with Python Matthew Kirk 2017-01-16 Gain the confidence you need to apply machine learning in your daily work. With this practical guide, author Matthew Kirk shows you how to integrate and test machine learning algorithms in your code, without the academic subtext. Featuring graphs and highlighted code examples throughout, the book features tests with Python's Numpy, Pandas, Scikit-Learn, and SciPy data science libraries. If you're a software engineer or business analyst interested in data science, this book will help you: Reference real-world examples to test each algorithm through engaging, hands-on exercises Apply test-driven development (TDD) to write and run tests before you start coding Explore techniques for improving your machine-learning models with data extraction and feature development Watch out for the risks of machine learning, such as underfitting or overfitting data Work with K-Nearest Neighbors, neural networks, clustering, and other algorithms

MEDINFO 2019: Health and Wellbeing e-Networks for All L. Ohno-Machado 2019-11-12 Combining and integrating cross-institutional data remains a challenge for both researchers and those involved in patient care. Patient-generated data can contribute precious information to healthcare professionals by enabling monitoring under normal life conditions and also helping patients play a more active role in their own care. This book presents the proceedings of MEDINFO 2019, the 17th World Congress on Medical and Health Informatics, held in Lyon, France, from 25 to 30 August 2019. The theme of this year's conference was 'Health and Wellbeing: E-Networks for All', stressing the increasing importance of networks in healthcare on the one hand, and the patient-centered perspective on the other. Over 1100 manuscripts were submitted to the conference and, after a thorough review process by at least three reviewers and assessment by a scientific program committee member, 285 papers and 296 posters were accepted, together with 47 podium abstracts, 7 demonstrations, 45 panels, 21 workshops and 9 tutorials. All accepted paper and poster contributions are included in these proceedings. The papers are grouped under four thematic tracks: interpreting health and biomedical data, supporting care delivery, enabling precision medicine and public health, and the human element in medical informatics. The posters are divided into the same four groups. The book presents an overview of state-of-the-art informatics projects from multiple regions of the world; it will be of interest to anyone working in the field of medical informatics.

Learn AppleScript Hamish Sanderson 2010-07-10 AppleScript is an English-like, easy-to-understand scripting language built into every Mac. AppleScript can automate hundreds of AppleScript-able applications, performing tasks both large and small, complex and simple. Learn AppleScript: The Comprehensive Guide to Scripting and Automation on Mac OS X, Third Edition has been completely updated for Mac OS X Snow Leopard. It's all here, with an emphasis on practical information that will help you solve any automation problem—from the most

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mundane repetitive tasks to highly integrated workflows of complex systems. Friendly enough for beginners, detailed enough for advanced AppleScripters Includes major contributions from expert AppleScripters: Emmanuel Levy, Harald Monihart, Ian Piper, Shane Stanley, Barry Wainwright, Craig Williams, and foreword by AppleScript inventor, William Cook

AI*IA 2018 – Advances in Artificial Intelligence Chiara Ghidini 2018-11-08 This book constitutes the refereed proceedings of the XVIIth International Conference of the Italian Association for Artificial Intelligence, AI*IA 2018, held in Trento, Italy, in November 2018. The 41 full papers were carefully reviewed and selected from 67 submissions. The papers have been organized in the following topical sections: Agents and Multi-Agent Systems; Applications of AI; Knowledge Engineering, Ontologies and the Semantic Web; Knowledge Representation and Reasoning; Machine Learning; Natural Language Processing; Planning and Scheduling; and Recommendation Systems and Decision Making.

JBPM6 Developer Guide Mariano Nicolas De Maio 2014-08-18 If you are a Java developer or architect who needs to have a better understanding of how Business Process Management frameworks behave in real-life implementations, this book is for you. This book assumes that you know the Java language well and are familiar with some widely used frameworks such as Hibernate. You should also know the basics of relational databases and Maven-based applications.

Interactive Storytelling Ulrike Spierling 2008-11-13 This book constitutes the refereed proceedings of the First Joint International Conference on Interactive Digital Storytelling, ICIDS 2008, held in Erfurt, Germany, in November 2008. The 19 revised full papers, 5 revised short papers, and 5 poster papers presented together with 3 invited lectures and 8 demo papers were carefully reviewed and selected from 62 submission. The papers are organized in topical sections on future perspectives on interactive digital storytelling, interactive storytelling applications, virtual characters and agents, user experience and dramatic immersion, architectures for story generation, models for drama management and interacting with stories, as well as authoring and creation of interactive narrative.

.NET Design Patterns Praseed Pai 2017-01-31 Explore the world of .NET design patterns and bring the benefits that the right patterns can offer to your toolkit today About This Book Dive into the powerful fundamentals of .NET framework for software development The code is explained piece by piece and the application of the pattern is also showcased. This fast-paced guide shows you how to implement the patterns into your existing applications Who This Book Is For This book is for those with familiarity with .NET development who would like to take their skills to the next level and be in the driver's seat when it comes to modern development techniques. Basic object-oriented C# programming experience and an elementary familiarity with the .NET framework library is required. What You Will Learn Put patterns and pattern catalogs into the right perspective Apply patterns for software development under C#/.NET Use GoF and other patterns in real-life development scenarios Be able to enrich your design

vocabulary and well articulate your design thoughts Leverage object/functional programming by mixing OOP and FP Understand the reactive programming model using Rx and RxJs Writing compositional code using C# LINQ constructs Be able to implement concurrent/parallel programming techniques using idioms under .NET Avoiding pitfalls when creating compositional, readable, and maintainable code using imperative, functional, and reactive code. In Detail Knowing about design patterns enables developers to improve their code base, promoting code reuse and making their design more robust. This book focuses on the practical aspects of programming in .NET. You will learn about some of the relevant design patterns (and their application) that are most widely used. We start with classic object-oriented programming (OOP) techniques, evaluate parallel programming and concurrency models, enhance implementations by mixing OOP and functional programming, and finally to the reactive programming model where functional programming and OOP are used in synergy to write better code. Throughout this book, we'll show you how to deal with architecture/design techniques, GoF patterns, relevant patterns from other catalogs, functional programming, and reactive programming techniques. After reading this book, you will be able to convincingly leverage these design patterns (factory pattern, builder pattern, prototype pattern, adapter pattern, facade pattern, decorator pattern, observer pattern and so on) for your programs. You will also be able to write fluid functional code in .NET that would leverage concurrency and parallelism! Style and approach This tutorial-based book takes a step-by-step approach. It covers the major patterns and explains them in a detailed manner along with code examples.

Hands-On Reactive Programming in Spring 5 Oleh Dokuka 2018-10-08 Explore the reactive system and create efficient microservices with Spring Boot 2.1 and Spring Cloud Key Features Understand the kind of system modern businesses require with Spring Gain deeper insights into reactive programming with Reactor and Spring Cloud Get in-depth knowledge on asynchronous and nonblocking communication with Spring 5 WebFlux Book Description These days, businesses need a new type of system that can remain responsive at all times. This is achievable with reactive programming; however, the development of these kinds of systems is a complex task, requiring a deep understanding of the domain. In order to develop highly responsive systems, the developers of the Spring Framework came up with Project Reactor. Hands-On Reactive Programming in Spring 5 begins with the fundamentals of Spring Reactive programming. You'll explore the endless possibilities of building efficient reactive systems with the Spring 5 Framework along with other tools such as WebFlux and Spring Boot. Further on, you'll study reactive programming techniques and apply them to databases and cross-server communication. You will advance your skills in scaling up Spring Cloud Streams and run independent, high-performant reactive microservices. By the end of the book, you will be able to put your skills to use and get on board with the reactive revolution in Spring 5.1! What you will learn Discover the difference between a reactive system and reactive programming Explore the benefits of a reactive system and understand its applications Get to grips with using reactive programming in Spring 5 Gain an understanding of Project Reactor Build a reactive system using Spring 5 and

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Project Reactor Create a highly efficient reactive microservice with Spring Cloud Test, monitor, and release reactive applications Who this book is for This book is for Java developers who use Spring to develop their applications and want to build robust and reactive applications that can scale in the cloud. Basic knowledge of distributed systems and asynchronous programming will help you understand the concepts covered in this book.

Modern Java in Action Raoul-Gabriel Urma 2018-09-26 Summary Manning's bestselling Java 8 book has been revised for Java 9! In Modern Java in Action, you'll build on your existing Java language skills with the newest features and techniques. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Modern applications take advantage of innovative designs, including microservices, reactive architectures, and streaming data. Modern Java features like lambdas, streams, and the long-awaited Java Module System make implementing these designs significantly easier. It's time to upgrade your skills and meet these challenges head on! About the Book Modern Java in Action connects new features of the Java language with their practical applications. Using crystal-clear examples and careful attention to detail, this book respects your time. It will help you expand your existing knowledge of core Java as you master modern additions like the Streams API and the Java Module System, explore new approaches to concurrency, and learn how functional concepts can help you write code that's easier to read and maintain. What's inside Thoroughly revised edition of Manning's bestselling Java 8 in Action New features in Java 8, Java 9, and beyond Streaming data and reactive programming The Java Module System About the Reader Written for developers familiar with core Java features. About the Author Raoul-Gabriel Urma is CEO of Cambridge Spark. Mario Fusco is a senior software engineer at Red Hat. Alan Mycroft is a University of Cambridge computer science professor; he cofounded the Raspberry Pi Foundation. Table of Contents PART 1 - FUNDAMENTALS Java 8, 9, 10, and 11: what's happening? Passing code with behavior parameterization Lambda expressions PART 2 - FUNCTIONAL-STYLE DATA PROCESSING WITH STREAMS Introducing streams Working with streams Collecting data with streams Parallel data processing and performance PART 3 - EFFECTIVE PROGRAMMING WITH STREAMS AND LAMBIDAS Collection API enhancements Refactoring, testing, and debugging Domain-specific languages using lambdas PART 4 - EVERYDAY JAVA Using Optional as a better alternative to null New Date and Time API Default methods The Java Module System PART 5 - ENHANCED JAVA CONCURRENCY Concepts behind CompletableFuture and reactive programming CompletableFuture: composable asynchronous programming Reactive programming PART 6 - FUNCTIONAL PROGRAMMING AND FUTURE JAVA EVOLUTION Thinking functionally Functional programming techniques Blending OOP and FP: Comparing Java and Scala Conclusions and where next for Java

The Male Patient in Aesthetic Medicine Mauricio de Maio 2009-07-26 are growing among core specialists in the aesthetic field, aesthetic medicine is advancing exponentially. The two authors of this text have worked together to provide a knowledgeable and practical approach to the male patient in aesthetic medicine. April 2009 Timothy Corcoran Flynn, M.D. Clinical Professor, University of North

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Carolina at Chapel Hill Medical Director, Cary Skin Center, Cary, NC 27608, USA

Preface Men are different from women in many ways. Male aesthetics are different from female aesthetics. Most readers would agree with this statement. However, as the majority of our patients are still female, even cosmetic physicians may tend to treat their male patients like female patients. This can lead to dissatisfaction of the patient and consequently of the cosmetic physician. As the demand for aesthetic procedures in male patients is rising, there is a need for good textbooks on this subject. The aim of this book is to explain the specificities of the ageing process and facial aesthetics in men and to present the treatments available. In addition, common skin conditions and diseases that also influence the male aesthetic appearance will be discussed. The book written from the perspectives of a plastic surgeon and a dermatologist should enable us to treat our male patients better, and by that increase the satisfaction of our patients and, last not least, our satisfaction as the treating physicians.

Business Process Management Alistair Barros 2012-08-27 This book constitutes the proceedings of the 10th International Conference on Business Process Management, BPM 2012, held in Tallinn, Estonia, in September 2012. The 17 regular papers and 7 short papers included in this volume were carefully reviewed and selected from 126 submissions. The book also features two keynote lectures which were given at the conference. The papers are organized in topical sections named: process quality; conformance and compliance; BPM applications; process model analysis; BPM and the cloud; requirements and performance; process mining; and refactoring and optimization.

Spring Microservices Rajesh RV 2016-06-28 Build scalable microservices with Spring, Docker, and Mesos About This Book Learn how to efficiently build and implement microservices in Spring, and how to use Docker and Mesos to push the boundaries of what you thought possible Examine a number of real-world use cases and hands-on code examples. Distribute your microservices in a completely new way Who This Book Is For If you are a Spring developers and want to build cloud-ready, internet-scale applications to meet modern business demands, then this book is for you Developers will understand how to build simple Restful services and organically grow them to truly enterprise grade microservices ecosystems. What You Will Learn Get to know the microservices development lifecycle process See how to implement microservices governance Familiarize yourself with the microservices architecture and its benefits Use Spring Boot to develop microservices Find out how to avoid common pitfalls when developing microservices Be introduced to end-to-end microservices written in Spring Framework and Spring Boot In Detail The Spring Framework is an application framework and inversion of the control container for the Java platform. The framework's core features can be used by any Java application, but there are extensions to build web applications on top of the Java EE platform. This book will help you implement the microservice architecture in Spring Framework, Spring Boot, and Spring Cloud. Written to the latest specifications of Spring, you'll be able to build modern, Internet-scale Java applications in no time. We would start off with the guidelines to implement responsive microservices at

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scale. We will then deep dive into Spring Boot, Spring Cloud, Docker, Mesos, and Marathon. Next you will understand how Spring Boot is used to deploy autonomous services, server-less by removing the need to have a heavy-weight application server. Later you will learn how to go further by deploying your microservices to Docker and manage it with Mesos. By the end of the book, you'll will gain more clarity on how to implement microservices using Spring Framework and use them in Internet-scale deployments through real-world examples. Style and approach The book follows a step by step approach on how to develop microservices using Spring Framework, Spring Boot, and a set of Spring Cloud components that will help you scale your applications.

Drools Developer's Cookbook Lucas Amador 2012-01-03 Part of Packt's cookbook series, this book is packed with easy to follow recipes containing step-by-step instructions. The book is designed in such a way that you can read it chapter by chapter, or refer to the tasks in no particular order. This book is for Drools developers who want to improve their current working methods and discover new features to apply to their projects. Readers are expected to be familiar with the basics of the Drools platform as well as Java.

Building Java Enterprise Applications Brett McLaughlin 2002 Explores options for using J2EE technologies in the creation of scalable software, providing a case study on a database and focusing on selecting leading-edge technologies and implementing the sample system.

Data-Driven Process Discovery and Analysis Paolo Ceravolo 2019-01-17 This book constitutes the revised selected papers from the 7th IFIP WG 2.6 International Symposium on Data-Driven Process Discovery and Analysis, SIMPDA 2017, held in Neuchatel, Switzerland, in December 2017. The 6 papers presented in this volume were carefully reviewed and selected from 19 submissions. They cover theoretical issues related to process representation, discovery, and analysis or provide practical and operational examples of their application.