

## Drools Jboss Rules 5x Developers Guide

This book includes the post-conference proceedings of the 21st RoboCup International Symposium, held in Nagoya, Japan, in September 2017. The 33 full revised papers and 9 papers from the winning teams presented were carefully reviewed and selected from 58 submissions. The papers are organized on topical sections on Robotics, Artificial intelligence, Environment perception, State estimation and much more.

As financial systems migrate to a pervasive, online environment, business leaders and layman investors alike must adapt to changes in the market brought about by this new age of business. Strategic E-Commerce Systems and Tools for Competing in the Digital Marketplace advances the body of knowledge on electronic business and commerce with an in-depth look at the opportunities and concerns surrounding online business and finance. This cutting-edge reference aids business leaders, financial managers, investors, and consumers looking to build their portfolios and thrive in modern digital business environments.

These proceedings contain the papers presented at the Third International ICST Conference on Autonomic Computing and Communication Systems, Autonomics 2009, held at the Cyprus University of Technology, Limassol, Cyprus, during September 9–11, 2009. As for the previous editions of the conference, this year too the primary goal of the event was to allow people working in the areas of communication, design, programming, use and fundamental limits of autonomic pervasive systems to meet and - change their ideas and experiences in the aforementioned issues. In maintaining the tradition of excellence of Autonomics, this year we accepted 11 high-quality papers out of 26 submitted and had 5 invited talks, covering various aspects of autonomic computing including applications, middleware, networking protocols, and evaluation. The wide interest in the autonomic systems is shown by the broad range of topics covered in the papers presented at the conference. All papers presented at the conference are published here and some of them, which are considered particularly interesting, will be considered for publication in a special issue of the International Journal of Autonomics and Adaptive Communications Systems (IJAACS). The conference also hosted the First International Workshop on Agent-Based Social Simulation and Autonomic Systems (ABSS@AS).

PAAMS Workshops 2021 Proceedings on distributed computing models, multi-agent systems, Deep Learning Applications.

Designing Systems that can adapt to Changing Knowledge

Second International Conference, CLOSER 2012, Porto, Portugal, April 18-21, 2012. Revised Selected Papers

Drools Developer's Cookbook

Developments in Information & Knowledge Management for Business Applications

Third International ICST Conference, Autonomics 2009, Limassol, Cyprus, September 9-11, 2009, Revised Selected Papers

Beginning POJOs

JBoss Drools Business Rules

**Fully Updated to Cover Major Enhancements to Seam 2.x In Seam Framework, Second Edition**, the authors of the leading guide to Seam programming have systematically updated their text to reflect the major improvements introduced with Seam 2.x. This author team—all key Seam project contributors—teach Seam 2.x through detailed example applications that reveal how Seam simplifies many tasks that were previously difficult or impractical. Their robust descriptions are complemented by in-depth feature discussions that demonstrate how to use Seam's power to the fullest. Whether you're new to Seam programming or a seasoned Seam developer who wants to achieve deeper mastery of Seam 2.x, this book will be an indispensable resource. Coverage includes Using improvements to Seam's conversation model, transaction management, and other features Enhancing security, performing end-to-end validation, and providing custom exception pages Using Quartz to execute timer jobs in your application Generating bookmarkable RESTful Web pages the easy way Developing highly scalable applications with Seam 2.x's new multilayer caching Simplifying development with Groovy, the scripting language that runs directly on the JVM Using jBPM business processes to improve page flow Previewing Web Beans (JSR-299), the future core of Seam that will transform Java EE Web development \*Download source code for this book's case study application at [solutionsfit.com/seam](http://solutionsfit.com/seam).

This book takes a practical approach, with step-by-step instructions. It doesn't hesitate to talk about the technologies, but takes time to explain them (to an Excel power-user level). There is a good use of graphics and code where necessary. If you are a business analyst – somebody involved with enterprise IT but at a high level, understanding problems and planning solutions, rather than coding in-depth implementations – then this book is for you. If you are a business user who needs to write rules, or a technical person who needs to support rules, this book is for you. If you are looking for an introduction to rule engine technology, this book will satisfy your needs. If you are a business user and want to write rules using Guvnor/JBoss IDE, this book will be suitable for you. This book will also suit your need if you are a business user and want to understand what Drools can do and how it works, but would rather leave the implementation to a developer. Business rules are everywhere. Every enterprise process, task, activity, or function is governed by rules. However, some of these rules are implicit and thus poorly enforced, others are written but not enforced, and still others are perhaps poorly written and obscurely enforced. The business rule approach looks for ways to elicit, communicate, and manage business rules in a way that all stakeholders can understand, and to enforce them within the IT infrastructure in a way

that supports their traceability and facilitates their maintenance. Boyer and Mili will help you to adopt the business rules approach effectively. While most business rule development methodologies put a heavy emphasis on up-front business modeling and analysis, agile business rule development (ABRD) as introduced in this book is incremental, iterative, and test-driven. Rather than spending weeks discovering and analyzing rules for a complete business function, ABRD puts the emphasis on producing executable, tested rule sets early in the project without jeopardizing the quality, longevity, and maintainability of the end result. The authors' presentation covers all four aspects required for a successful application of the business rules approach: (1) foundations, to understand what business rules are (and are not) and what they can do for you; (2) methodology, to understand how to apply the business rules approach; (3) architecture, to understand how rule automation impacts your application; (4) implementation, to actually deliver the technical solution within the context of a particular business rule management system (BRMS). Throughout the book, the authors use an insurance case study that deals with claim processing. Boyer and Mili cater to different audiences: Project managers will find a pragmatic, proven methodology for delivering and maintaining business rule applications. Business analysts and rule authors will benefit from guidelines and best practices for rule discovery and analysis. Application architects and software developers will appreciate an exploration of the design space for business rule applications, proven architectural and design patterns, and coding guidelines for using JRules.

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.

Drools Jboss Rules 5.5 Developer's Guide

RoboCup 2017: Robot World Cup XXI

Trends in Enterprise Application Architecture

14th International Conference, KES 2010, Cardiff, UK, September 8-10, 2010, Proceedings, Part IV

Strategic E-Commerce Systems and Tools for Competing in the Digital Marketplace

Proceedings of the 13th International Conference of the Catalan Association for Artificial Intelligence

Highlights in Practical Applications of Agents, Multi-Agent Systems, and Social Good. The PAAMS Collection

The CE Conference series is organized annually by the International Society for Productivity Enhancement (ISPE) and constitutes an important forum for international scientific exchange on concurrent and collaborative enterprise engineering. These international conferences attract a significant number of researchers, industrialists and students, as well as government representatives, who are interested in the recent advances in concurrent engineering research and applications. Concurrent Engineering Approaches for Sustainable Product Development in a Multi-Disciplinary Environment: Proceedings of the 19th ISPE International Conference on Concurrent Engineering contains papers accepted, peer reviewed and presented at the annual conference held at the University of Applied Sciences in Trier, Germany, from 3rd-7th of September 2012. This covers a wide range of cutting-edge topics including: Systems Engineering and Innovation Design for Sustainability Knowledge Engineering and Management Managing product variety Product Life-Cycle Management and Service Engineering Value Engineering Build your own enterprise applications and integration flows with JBoss and its products About This Book Build fast, smart, and flexible applications using JBoss Couple one or more JBoss products to effectively solve various business problems Explore the JBoss product ecosystem for improving the performance of your projects Who This Book Is For If you are a Java developer who wants to have a complete view of the JBoss ecosystem or quickly explore a specific JBoss Product, then this is the book you want. Integrators and consultants, familiar with JBoss, who want integrate several JBoss products within their ongoing project will also find this book useful. What You Will Learn Create new applications or integrate existing systems with JBoss products Setup and manage a JBoss domain Setup and manage a JBoss Fuse cluster with Fabric and Apache Karaf Create and deploy OSGi applications on JBoss Fuse containersv Manage enterprise data with JBoss Datagrid Aggregate various data sources with JBoss Data virtualization to offer data as a service Optimize your business and workflows with both JBoss Business RulesManagement System and JBoss Business Process Management platforms. In Detail Have you often wondered what is the best JBoss product to solve a specific problem? Do you want to get started with a specific JBoss product and know how to integrate different JBoss products in your IT Systems? Then this is the book for you. Through hands-on examples from the business world, this guide presents details on the major products and how you can build your own Enterprise services around the JBoss ecosystem. Starting with an introduction to the JBoss ecosystem, you will gradually move on to developing and deploying clustered application on JBoss Application Server, and setting up high availability using undertow or HA proxy loadbalancers. As you are moving to a micro service architecture, you will be taught how to package existing Java EE applications as micro service using Swarm or create your new micro services from scratch by coupling most popular Java EE frameworks like JPA, CDI with Undertow handlers. Next, you will install and configure JBoss Data grid in development and production environments, develop cache based applications and aggregate various data source in JBoss data virtualization. You will learn to build, deploy, and monitor integration scenarios using JBoss Fuse and run both producers/consumers applications relying on JBoss AMQ. Finally, you will learn to develop and run business workflows and make better decisions in your applications using Drools and Jboss BPM Suite Platform. Style and Approach The book works through the major JBoss products, with examples and instructions to help you understand each product and how they work together.

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.

The aim of the book is to introduce new developments in Ambient Intelligence from researchers of several countries. The book includes different works in the area of Ubiquitous Computing, e-Health, Ambient Assisted Living, Distributed Computing and Context Aware Computing that have been selected by an international committee. The studies have been presented in the 9th International Symposium on Ambient Intelligence held in Toledo in June 2018.

Refining Current Practices in Mobile and Blended Learning: New Applications

Develop Rules-based Business Logic Using the Drools Platform

Technology for Smart Futures

Artificial Intelligence Research and Development

Case-Based Reasoning Research and Development

Workshop Proceedings of the 9th International Conference on Intelligent Environments

Knowledge-Based and Intelligent Information and Engineering Systems

*Drools Jboss Rules 5.5 Developer's Guide* Packt Pub Limited

*\*ONLY Beginning-level book that introduces major Open Source Java tools and frameworks from scratch \*Covers the most successful and prevalent open source and some lightweight tools and frameworks, like Spring, JBoss, Hibernate, Tapestry, Ant, and more \*Shows how to build an enterprise application, end-to-end, integrating the different open source frameworks, including rapid enterprise Java application development*

*Research on artificial life is critical to solving various dynamic obstacles individuals face on a daily basis. From electric wheelchairs to navigation, artificial life can play a role in improving both the simple and complex aspects of civilian life. The Handbook of Research on Investigations in Artificial Life Research and Development is a vital scholarly reference source that examines emergent research in handling real-world problems through the application of various computation technologies and techniques. Examining topics such as computational intelligence, multi-agent systems, and fuzzy logic, this publication is a valuable resource for academicians, scientists, researchers, and individuals interested in artificial intelligence developments.*

*This book constitutes the thoroughly refereed proceedings of the Second International Conference on Cloud Computing and Services Science, CLOSER 2012, held in Porto, Portugal, in April 2012. The 15 papers were selected from 145 submissions and are presented together with one invited paper. The papers cover the following topics: cloud computing fundamentals, services science foundation for cloud computing, cloud computing platforms and applications, and cloud computing enabling technology.*

Volume 2

*2nd International Conference, TEAA 2006, Berlin, Germany, November 29 - Dezember 1, 2006, Revised Selected Papers*

*Handbook of Research on Big Data Storage and Visualization Techniques*

*Third International Conference, ICCCI 2011, Gdynia, Poland, September 21-23, 2011, Proceedings, Part I*

*International Symposium, RuleML 2008, Orlando, FL, USA, October 30-31, 2008. Proceedings*

*Second International Workshop, MSTEC 2020, Guildford, UK, September 14-18, 2020, Revised Selected Papers*

*JBoss: Developer's Guide*

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.

The digital age has presented an exponential growth in the amount of data available to individuals looking to draw conclusions based on given or collected information across industries. Challenges associated with the analysis, security, sharing, storage, and visualization of large and complex data sets continue to plague data scientists and analysts alike as traditional data processing applications struggle to adequately manage big data. The Handbook of Research on Big Data Storage and Visualization Techniques is a critical scholarly resource that explores big data analytics and technologies and their role in developing a broad understanding of issues pertaining to the use of big data in multidisciplinary fields. Featuring coverage on a broad range of topics, such as architecture patterns, programming systems, and computational energy, this publication is geared towards professionals, researchers, and students seeking current research and application topics on the subject.

"13th International Conference of the Catalan Association for Artificial Intelligence (CCIA'2010), held in ... L'Espluga de Francolai, on October 20-22, 2010"--Pref.

Intelligent Environments (IE) play an increasingly important role in many areas of our lives, including education, healthcare and the domestic environment. The term refers to physical spaces incorporating pervasive computing technology used to achieve specific goals for the user, the environment or both.

This book presents the proceedings of the workshops of the 9th International Conference on Intelligent Environments (IE '13), held in Athens, Greece, in July 2013. The workshops which were presented in the context of this conference range from regular lectures to practical sessions. They provide a forum for scientists, researchers and engineers from both industry and academia to engage in discussions on newly emerging or rapidly evolving topics in the field. Topics covered in the workshops include artificial intelligence techniques for ambient intelligence; applications of affective computing in intelligent environments; smart offices and other workplaces; intelligent environment technology in education for

creative learning; museums as intelligent environments; the application of intelligent environment technologies in the urban context for creating more sociable, intelligent cities and for constructing urban intelligence. IE can enrich user experience, better manage the environment's resources, and increase user awareness of that environment. This book will be of interest to all those whose work involves the application of intelligent environments.

Mastering JBoss Drools 6 for Developers

Lightweight Java Web Development Using Plain Old Java Objects in Spring, Hibernate, and Tapestry

Computational Collective Intelligence Technologies and Applications

Rule Representation, Interchange and Reasoning on the Web

New Applications

Proceedings of the 15th International Conference of the Catalan Association for Artificial Intelligence

***This book constitutes the thoroughly refereed postproceedings of the 2nd International Conference on Trends in Enterprise Application Architecture, TEAA 2006. It identifies issues in enterprise application architecture and proposes as well as evaluates a solution. Topics of interest include model driven architecture, enterprise development environments, service oriented architecture, data integration, enterprise grid computing, load balancing, and enterprise component platforms.***

***One hundred years after the birth of Alan Turing, the great pioneer of computer science, artificial intelligence has become so much a part of everyday life that it is hard to imagine the world without it. This book contains papers from the 15th International Conference of the Catalan Association of Artificial Intelligence (CCIA 2012), held at the Universitat d'Alicant, Spain, in October 2012. Since 1994 the Catalan Association of Artificial Intelligence (ACIA) has fostered cooperation between researchers in artificial intelligence within the Catalan speaking community. The annual CCIA is its international conference, a platform where not only researchers from Catalan speaking countries, but also those working in artificial intelligence worldwide, have found a place to show, discuss and publish the results of their researches and developments. The 23 papers presented here, which include contributions from the AI community all over the world, cover topics such as KDD, DM and machine learning; natural language processing and recommenders; computer vision; robotics; AI for optimization problems and AI applications in the real world. The book also includes the contributions of the two invited keynote speakers at the conference - Oscar Cordón and Eduardo Nebot - which respectively address the subjects of real-world applications of soft artificial intelligence, and challenges of automation and safety in field robotics.***

***This book provides practical knowledge on different aspects of information and knowledge management in businesses. For enterprises/businesses those intend to remain prosperous and prolific, it is critically important to share best practices, ensure efficient information flow across company, capturing shared knowledge centrally, and communicate compliance rules, i.e. managing competently information in general. It enables faster and better decisions by helping employees' to build a strong expertise and by avoiding duplicated projects. Thus, the second volume of this series subline continues to explore different aspects of information and knowledge handling as well as doing business with information. We survey further the key aspects of managerial implications of the informational business. The novel methodologies and practices for the business information processing as well as application of mathematical models to the business analytics and efficient management are examined.***

***The two-volume set LNAI 6922 and LNAI 6923 constitutes the refereed proceedings of the Third International Conference on Computational Collective Intelligence, ICCCI 2011, held in Gdynia, Poland, in September 2011. The 112 papers in this two volume set presented together with 3 keynote speeches were carefully reviewed and selected from 300 submissions. The papers are organized in topical sections on knowledge management, machine learning and applications, autonomous and collective decision-making, collective computations and optimization, Web services and semantic Web, social networks and computational swarm intelligence and applications.***

***Handbook of Research on Investigations in Artificial Life Research and Development***

***20th International Conference, ICCBR 2012, Lyon, France, September 3-6, 2012, Proceedings***

***International Workshops of PAAMS 2021, Salamanca, Spain, October 6-9, 2021, Proceedings***

***Model-driven Simulation and Training Environments for Cybersecurity***

***Beginning JBoss Seam***

***Drools JBoss Rules 5.0 Developer's Guide***

***From Novice to Professional***

**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. This book includes a selection of articles from the 2018 International Conference on Information Technology & Systems (ICITS 18), held on January 10 – 12, 2018, at the Universidad Estatal Península de Santa Elena, Libertad City, Ecuador. ICIST is a global forum for researchers and practitioners to present and discuss recent findings and innovations, current trends, lessons learned and the challenges of modern information technology and systems research, together with their technological development and applications. The main topics covered include information and knowledge management; organizational models and information systems; software and systems modeling; software systems, architectures, applications and tools; multimedia systems and applications; computer networks, mobility and pervasive systems; intelligent and decision support systems; big data analytics and applications; human-computer interaction; ethics, computers & security; health informatics; and information technologies in education.

This book constitutes the refereed post-conference proceedings of the Second International Workshop on Model-Driven Simulation and Training Environments for Cybersecurity, MSTEC 2020, held in Guildford, UK, in September 2020 in conjunction with the 24th European Symposium on Research in Computer Security, ESORICS 2020. The conference was held virtually due to the COVID-19 pandemic. The MSTEC Workshop received 20 submissions from which 10 full papers were selected for presentation. The papers are grouped in thematically on: cyber security training modelling; serious games; emulation & simulation studies; attacks; security policies.

JBoss Seam represents the primary counter to the hot and successful Spring Framework and perhaps even Ruby on Rails framework. The open source lightweight Java EE 5 standards based JBoss Seam framework is a part of this second wave of open source lightweight Java that's taking place. This book aims to take advantage of this hot area. It gives an overview of Seam related JSF and EJB 3 as found in Java EE 5. It provides information on the tools to make development with Seam easier as well as a functioning in depth demo to truly learn how to use Seam. Tips and tricks to using Seam are also included.

**Intelligent Computer Graphics 2012**

**Cloud Computing and Services Science**

**Proceedings of the International Conference on Information Technology & Systems (ICITS 2018)**

**jBPM6 Developer Guide**

**Proceedings of the 19th ISPE International Conference on Concurrent Engineering**

**Agile Business Rule Development**

**Experience the Evolution of Java EE**

This book explores the nexus of Sustainability and Information Communication Technologies that are rapidly changing the way we live, learn, and do business. The monumental amount of energy required to power the Zeta byte of data traveling across the globe's billions of computers and mobile phones daily cannot be overstated. This ground-breaking reference examines the possibility that our evolving technologies may enable us to mitigate our global energy crisis, rather than adding to it. By connecting concepts and trends such as smart homes, big data, and the internet of things with their applications to sustainability, the authors suggest that emerging and ubiquitous technologies embedded in our daily lives may rightfully be considered as enabling solutions for our future sustainable development.

The 14 International Conference on Knowledge-Based and Intelligent Information and Engineering Systems was held during September 8-10, 2010 in Cardiff, UK. The conference was organized by the School of Engineering at Cardiff University, UK and KES International. KES2010 provided an international scientific forum for the presentation of the - sults of high-quality research on a broad range of intelligent systems topics. The c- ference attracted over 360 submissions from 42 countries and 6 continents: Argentina, Australia, Belgium, Brazil, Bulgaria, Canada, Chile, China, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greece, Hong Kong ROC, Hungary, India, Iran, Ireland, Israel, Italy, Japan, Korea, Malaysia, Mexico, The Netherlands, New Zealand, Pakistan, Poland, Romania, Singapore, Slovenia, Spain, Sweden, Syria, Taiwan, - nisia, Turkey, UK, USA and Vietnam. The conference consisted of 6 keynote talks, 11 general tracks and 29 invited s- sions and workshops, on the applications and theory of intelligent systems and related areas. The distinguished keynote speakers were Christopher Bishop, UK, Nikola - sabov, New Zealand, Saeid Nahavandi, Australia, Tetsuo Sawaragi, Japan, Yuzuru Tanaka, Japan and Roger Whitaker, UK. Over 240 oral and poster presentations provided excellent opportunities for the presentation of interesting new research results and discussion about them, leading to knowledge transfer and generation of new ideas. Extended versions of selected papers were considered for publication in the Int- national Journal of Knowledge-Based and Intelligent Engineering Systems, Engine- ing Applications of Artificial Intelligence, Journal of Intelligent Manufacturing, and Neural Computing and Applications.

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.

The chapters in the book present real-life examples, usually starting with an introduction to the problem, and a discussion of the possible solution. Then the solution is implemented in a step by step fashion implementing several rules. The book is for Java developers who want to create rule-based business logic using the Drools platform.

Metadata-driven Software Systems in Biomedicine

Autonomic Computing and Communications Systems

Flexible Views for View-based Model-driven Development

Process, Architecture, and JRules Examples

Osworkflow

EuroPLoP 2009 Proceedings

Capture, Automate, and Reuse Your Business Processes in a Clear English Language that Your Computer Can Understand

**While the use of database technology is ubiquitous throughout IT (and health IT in particular), it is not generally appreciated that, as a database increases in scope, certain designs are far superior to others. In biomedical domains, new knowledge is being generated continually, and the databases that must support areas such as clinical care and research must also be able to evolve while requiring minimal or no logical / physical redesign. Appropriately designed metadata, and software designed to utilize it effectively, can provide significant insulation against change. Many of the larger EMR or clinical research database vendors have realized this, but their designs are proprietary and not described in the literature. Consequently, numerous misconceptions abound among individuals who have not had to work with large-scale biomedical systems, and graduates of a health or bioinformatics program may find that they need to unlearn what they were taught in database and software design classes in order to work productively with such systems. A working knowledge of such systems is also important for individuals who are not primarily software developers, such as health informaticians, medical information officers and data analysts. This book is, in a sense, intended to prepare all of the above individuals for the real world.**

The 2008 International Symposium on Rule Interchange and Applications (RuleML th 2008), collocated in Orlando, Florida, with the 11 International Business Rules - rum, was the premier place to meet and to exchange ideas from all fields of rules te- nologies. The aim of RuleML 2008 was both to present new and interesting research results and to show successfully deployed rule-based applications. This annual symposium is the flagship event of the Rule Markup and Modeling Initiative (RuleML). The RuleML Initiative ([www.ruleml.org](http://www.ruleml.org)) is a non-profit umbrella organization of several technical groups organized by representatives from academia, industry and government working on rule technologies and applications. Its aim is to promote the study, research and application of rules in heterogeneous distributed environments such as the Web. RuleML maintains effective links with other major international societies and acts as intermediary between various 'specialized' rule vendors, appli- tions, industrial and academic research groups, as well as standardization efforts from, for example, W3C, OMG, and OASIS. 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.

In Computer Graphics, the use of intelligent techniques started more recently than in other research areas. However, during these last two decades, the use of intelligent Computer Graphics techniques is growing up year after year and more and more interesting techniques are presented in this area. The purpose of this volume is to present current work of the Intelligent Computer Graphics community, a community growing up year after year. This volume is a kind of continuation of the previously published Springer volumes "Artificial Intelligence Techniques for Computer Graphics" (2008), "Intelligent Computer Graphics 2009" (2009), "Intelligent Computer Graphics 2010" (2010) and "Intelligent Computer Graphics 2011" (2011). Usually, this kind of volume contains, every year, selected extended papers from the corresponding 3IA Conference of the year. However, the current volume is made from directly reviewed and selected papers, submitted for publication in the volume "Intelligent Computer Graphics 2012". This year papers are particularly exciting and concern areas like plant modelling, text-to-scene systems, information visualization, computer-aided geometric design, artificial life, computer games, realistic rendering and many other very important themes.

Ambient Intelligence - Software and Applications -, 9th International Symposium on Ambient Intelligence JBPM5 Developer Guide

Concurrent Engineering Approaches for Sustainable Product Development in a Multi-Disciplinary Environment

Seam Framework

Mastering JBoss Drools 6

**A Guide for Java Developers and Architects to Integrating Open-source Business Process Management This book constitutes the thoroughly refereed post-conference proceedings of the 20th International Conference on Case-Based Reasoning Research and Development (ICCBR 2012) held in Lyon, France,**

**September 3-6, 2012. The 34 revised full papers presented were carefully selected from 51 submissions. The presentations and posters covered a wide range of CBR topics of interest to both practitioners and researchers, including foundational issues covering case representation, similarity, retrieval, and adaptation; conversational CBR recommender systems; multi-agent collaborative systems; data mining; time series analysis; Web applications; knowledge management; legal reasoning; healthcare systems and planning and scheduling systems.**

**This book covers all aspects of OSWorkflow for Java developers and system architects, from basics of Business Process Management and installing OSWorkflow to developing complex Java applications and integrating this open-source Java workflow engine with the third-party components Drools for business rules, Quartz for task scheduling, and Pentaho for dashboards. Authored by an active developer of the OSWorkflow project, it gives step-by-step instructions, explaining the basics and clarifying and reinforcing principles with real-life examples. OSWorkflow is a pure Java open-source workflow engine for technical users, who can focus on the business logic and rules without Petri Net or finite state machine coding and easily integrate OSWorkflow into applications to create simple or complex workflows as needed. Because OSWorkflow provides a relatively low-level but highly flexible workflow implementation for Java developers, it is not a quick plug-and-play solution for non-technical users.**

**This volume draws together all the articles published by the International Journal of Mobile and Blended Learning in its second year of publication (2010). As the use of mobile technology for personal and business applications continues to grow, it naturally follows that educators and researchers will investigate the use of mobile devices for knowledge sharing and learning. Refining Current Practices in Mobile and Blended Learning: New Applications provides perspectives on new approaches to learning theory and practice in increasingly mobile, immersive environments. Situated at the intersection of theory and practice, this book provides foundational research on the development and implementation of mobile games, the delivery of mobile and blended learning, and philosophical underpinnings of this emerging discipline.**