Business Rules Concepts

James Taylor

Business Rule Concepts Ronald G. Ross,2009 Is your current approach really working?. Are you sure you are addressing the right problems in the right ways?. Take a few hours to read about the most fundamental innovation in business operations and business computing in decades. It is not just about IT any more!. Decisioning, Requirements, Governance, Knowledge. Radical in its simplicity, this concise, easy-to-read handbook presents a groundbreaking, common-sense approach to solving today's operational business problems. Find out why current IT methods have broken down and no longer scale. Written by the father of business rules, here are proven answers. Get your company on the road to true agility!. New this Edition : Decisioning, Capturing best practices, Enterprise design, Really smart systems, Building business vocabularies, Structured verbalization for business communication, Applied semantics and concept analysis, Re-engineering governance. Introducing: General Rulebook Systems (GRBS), Plus all you need to know about: Business rules, Forms of business guidance, Fact models, Applying SBVR, Innovations in compliance, More effective process models, Pragmatic knowledge retention, Rule management.

Principles of the Business Rule Approach Ronald G. Ross,2003 The idea of Business Rules has been around for a while. Simply put, a Business Rule is a statement that defines or constrains some aspect of the business. In practice they are meant to reduce or eliminate the delays, waste, and frustration associated with the IT department having to be involved with almost every action affecting an organization's information systems. The advent of Web services has created renewed interest in them. There are now several well established rules-based products that have demonstrated the effectiveness of their use. But until now there has not been a definitive guide to Business Rules. Ron Ross, considered to be the father of Business Rules, will help organizations apply this powerful solution to their own computer system problems. This book is intended to be the first book that anyone from an IT manager to a business manager will read to understand what Business Rules are, and what how they can be applied to their own situation.

Business Rule Concepts Ronald G. Ross,2005

Business Rules Applied Barbara von Halle,2001-10-17 From a bestselling author and expert--a soon-to-be classic on application development Representing a significant change of focus in software engineering, the business rule approach to application development benefits all decision makers. Managers looking to take advantage of new opportunities will turn to business rules to implement change. IT has already learned the benefits of separating data by processing and managing data as an independent component of systems. A rules-extended development approach does exactly the same thing for business rules: by reducing the amount of code that needs to be written, it shortens the time necessary to implement change. Bestselling author Barbara von Halle (The Handbook of Relational Database Design from Addison Wesley) presents the first book to show in practical, real-world terms how to build applications using business rule concepts and techniques. This authoritative guide will give readers: o Complete guidance for system designers and database managers o The motivation for using the business rule approach o Techniques for discovering and managing rules o Guidance on how to conduct rule analysis o Steps for designing the implementation options of the rules, as well as designing workflow and database components

Business Rules Management and Service Oriented Architecture Ian Graham,2007-02-06 Business rules management system (BRMS) is a software tools that work alongside enterprise IT applications. It enables enterprises to automate decision-making processes typically consisting of separate business rules authoring and rules execution applications. This proposed title brings together the following key ideas in modern enterprise system development best practice. The need for service-oriented architecture (SOA). How the former depends on component-based development (CBD). Database-centred approaches to business rules (inc. GUIDES). Knowledge-based approaches to business rules. Using patterns to design and develop business rules management systems Ian Graham is an industry consultant with over 20 years. He is recognized internationally as an authority on business modelling, object-oriented software development methods and expert systems. He has a significant public presence, being associated with both UK and international professional organizations, and is

frequently quoted in the IT and financial press.

Business Rule Concepts Ronald G. Ross,1998

How to Build a Business Rules Engine Malcolm Chisholm,2004 Demonstrating how to develop a business rules engine, this guide covers user requirements, data modelling, metadata and more. A sample application is used throughout the book to illustrate concepts. The text includes conceptual overview chapters suitable for management-level readers, including a general introduction, business justification, development and implementation considerations and more. Demonstrating how to develop a business rules engine, this guide covers user requirements, data modelling and metadata. It includes conceptual overview chapters suitable for management-level readers, a general introduction, business justification, development and implementation considerations.

BUILDING BUSINESS SOLUTIONS RONALD G. ROSS,2015

Business Knowledge Blueprints: Enabling Your Data to Speak the Language of the Business Ronald G. Ross,2019-10-14 About Business Knowledge Blueprints ...Learn the art and science of - Building robust business vocabularies- Disambiguating business communication- Designing data based on languageIf you want to share and re-use data, the problem is communication, not technology. Concept models are the most important innovation this century. Create the new Knowledge Commons for your business! Bring people together for Knowledge-Age success. This book is for governance, risk and compliance managers, regulators and policy makers, legal staff, knowledge managers, product designers, and training managers - and the analysts, architects, data scientists, and software professionals who support business transformations.

What Not how C. J. Date,2000 What I think Date has done is nothing less than to lay out the foundational concepts for the next generation of business logic servers based on predicate logic. Such a breakthrough should revolutionize application development in our industry--and take business rules to their fullest expression. --Ronald G. Ross, Principal, Business Rule Solutions, LLC Executive Editor, DataToKnowledge Newsletter The way we build computer applications is about to change dramatically, thanks to a new development technology known as business rules. The key idea behind the technology is that we can build applications declaratively instead of procedurally--that is, we can simply state WHAT needs to be done instead of HOW to do what needs to be done. The advantages are obvious: ease and rapidity of initial development and subsequent maintenance, hardware and software platform independence, overall productivity, business adaptivity, and more. What Not How: The Business Rules Approach to Application Development is a concise and accessible introduction to this new technology. It is written for both managers and technical professionals. The book consists of two parts: Part I presents a broad overview of what business rules are all about; Part II then revisits the ideas in Part I and shows how they fit squarely into the solid tradition of relational technology. Topics covered include: Presentation rules Database and application rules Building on the data model Potential advantages and disadvantages A new look at relational fundamentals Business rules and the relational model Overall, the book provides a good grounding in an important new technology, one poised to transform the way we do business in the IT world. 0201708507B04062001

Agile Business Rule Development Jérôme Boyer,Hafedh Mili,2011-03-23 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.

Business Rules: Management and Execution Gladys S.W. Lam,Ronald G. Ross,Kristen Seer,Mark Norton,David Lyalin, and Warren Williams,2020-03-17 Business rules describe the operations, definitions and constraints that apply to an organization. Business rules can apply to people, processes, corporate behavior and computing systems in an organization, and are put in place to help the organization achieve its goals. Business Rules: Why Should You Use Them? This book helps corporate business readers to understand the meaning and impact of Business Rules within a variety of applications or scenarios such as: Why and how to use a rules-based approach to validate, transform, recalculate, and remediate complex applications The art of managing rules and terminology in a consistent, business-friendly, and shareable way How to use a rules engine to achieve uniformity, consistency, continuous monitoring, transparency, flexibility, forecasting etc. Key technologies, vendors and implementers in this ecosystem.

Design Thinking Business Analysis Thomas Frisendal,2012-09-27 This book undertakes to marry the concepts of Concept Mapping with a Design Thinking approach in the context of business analysis. While in the past a lot of attention has been paid to the business process side, this book now focusses information quality and valuation, master data and hierarchy management, business rules automation and business semantics as examples for business innovation opportunities. The book shows how to take Business Concept Maps further as information models for new IT paradigms. In a way this books redefines and extends business analysis towards solutions that can be described as business synthesis or business development. Business modellers, analysts and controllers, as well as enterprise information architects, will benefit from the intuitive modelling and designing approach presented in this book. The pragmatic and agile methods presented can be directly applied to improve the way organizations manage their business concepts and their relationships. This book is a great contribution to the information management community. It combines a theoretical foundation with practical methods for dealing with important problems. This is rare and very useful. Conceptual models that communicate business reality effectively require some degree of creative imagination. As such, they combine the results of business analysis with communication design, as is extensively covered in this book. Dr. Malcolm Chisholm, President at AskGet.com Inc. "Truly understanding business requirements has always been a major stumbling block in business intelligence (BI) projects. In this book, Thomas Frisendal introduces a powerful technique—business concept mapping—that creates a virtual mind-meld between business users and business analysts. Frisendal does a wonderful explaining and demonstrating how this tool can improve the outcome of BI and other development projects . Wayne Eckerson, executive director, BI Leadership Forum

JBoss Drools Business Rules Paul Browne,2009 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.

Simple Rules Donald Sull,Kathleen M. Eisenhardt,2015 Outlines an approach to high-performance problem-solving and decision-making that draws on insights from survival guides, pop culture and other sources. Co-written by the award-winning author of The Upside of Turbulence. 75,000 first printing.

The Decision Model Barbara von Halle,Larry Goldberg,2009-10-27 In the current fast-paced and constantly changing business environment, it is more important than ever for organizations to be agile, monitor business performance, and meet with increasingly stringent compliance requirements. Written by pioneering consultants and bestselling authors with track records of international success, The Decision Model: A Business Logic Framework Linking Business and Technology provides a platform for rethinking how to view, design, execute, and govern business logic. The book explains how to implement the Decision Model, a stable, rigorous model of core business logic that informs current and emerging technology. The authors supply a strong theoretical foundation, while succinctly defining the path needed to incorporate agile and iterative techniques for developing a model that will be the cornerstone for continual growth. Because the book introduces a new model with tentacles in many disciplines, it is divided into three sections: Section 1: A Complete overview of the Decision Model and its place in the business and technology world Section 2: A Detailed treatment of the foundation of the Decision Model and a formal definition of the Model Section 3: Specialized topics of interest on the Decision Model, including both business and technical issues The Decision Model provides a framework for organizing business rules into well-formed decision-based structures that are predictable, stable, maintainable, and normalized. More than this, the Decision Model directly correlates business logic to the business drivers behind it, allowing it to be used as a lever for meeting changing business objectives and marketplace demands. This book not only defines the Decision Model and but also demonstrates how it can be used to organize decision structures for maximum stability, agility, and technology independence and provide input into automation design.

Decision Management Systems James Taylor,2011-10-13 A very rich book sprinkled with real-life examples as well as battle-tested advice." —Pierre Haren, VP ILOG, IBM James does a thorough job of explaining Decision Management Systems as enablers of a formidable business transformation." —Deepak Advani, Vice President, Business Analytics Products and SPSS, IBM Build Systems That Work Actively to Help You Maximize Growth and Profits Most companies rely on operational systems that are largely passive. But what if you could make your systems active participants in optimizing your business? What if your systems could act intelligently on their own? Learn, not just report? Empower users to take action instead of simply escalating their problems? Evolve without massive IT investments? Decision Management Systems can do all that and more. In this book, the field's leading expert demonstrates how to use them to drive unprecedented levels of business value. James Taylor shows how to integrate operational and analytic technologies to create systems that are more agile, more analytic, and more adaptive. Through actual case studies, you'll learn how to combine technologies such as predictive analytics, optimization, and business rules—improving customer service, reducing fraud, managing risk, increasing agility, and driving growth. Both a practical how-to guide and a framework for planning, Decision Management Systems focuses on mainstream business challenges. Coverage includes Understanding how Decision Management Systems can transform your business Planning your systems "with the decision in mind" Identifying, modeling, and prioritizing the decisions you need to optimize Designing and implementing robust decision services Monitoring your ongoing decision-making and learning how to improve it Proven enablers of effective Decision Management Systems: people, process, and technology Identifying and overcoming obstacles that can derail your Decision Management Systems initiative

The Law of Cross-Border Business Transactions Lutz-Christian wolff,2017-12-15 Law of Cross-Border Business Transactions aims at giving a structured introduction to the law and practice of investment deals (e.g., greenfield projects, M&As and hybrid forms) and of non-investment transactions (e.g., trade, technology transfer and services). Cross-border business deals are

nowadays routine matters for business entities all over the world and the related legal aspects are becoming more and more complex. This book provides extensive general background information. It also covers numerous specific issues of relevance in the context of cross-border projects. Substantive law issues, procedural aspects and skills-related considerations such as contract drafting, structuring options and cross-cultural lawyering techniques are included, adding up to an unusually comprehensive and useful guide in the field. What's in this book: The author describes a wide spectrum of transaction types. He explains underlying principles from a conceptual and a comparative point of view with a focus on transactional issues, using case studies from a variety of jurisdictions to demonstrate the significance of particular aspects in the context of multi-jurisdictional legal practice. Among much else, topics include the following: international lawyering and cultural diversity; lex mercatoria; conflict of laws; letters of intent, position papers, heads of agreement, confidentiality and exclusivity agreements; structure and contents of international contracts; e-contracts and smart contracts; protection of intellectual property rights and technology transfer; trade, countertrade and trade financing; insurance; agency and distributorship; greenfield investments and M&As; competition law and merger control; employment law; corporate governance and corporate social responsibility; international taxation; and dispute settlement and cross-border enforcement of awards. This second edition updates the discussion of the different topics comprehensively. It also expands many parts and adds sections in relation to new themes that have gained importance since the publication of the first edition. In particular, it addresses legal issues arising out of the digitalization of the global economy with a special focus on choice-of-law questions, smart contracts, e-bills of lading and online dispute settlement. It also draws attention to the impact of China's Belt and Road initiative, Brexit and the 'America First' foreign policy. How this will help you: Of special value is the author's precise guidance on drafting techniques and contract practice. The clarity of the presentation, the uncompromising consistency in terms of structure and a large body of references to primary and secondary sources presented in this edition ensure that legal professionals, business managers and academics as well as other interested parties can gain easy access to comprehensive and detailed information across jurisdictions.

SAS Text Analytics for Business Applications Teresa Jade,Biljana Belamaric-Wilsey,Michael Wallis,2019-03-29 Extract actionable insights from text and unstructured data. Information extraction is the task of automatically extracting structured information from unstructured or semi-structured text. SAS Text Analytics for Business Applications: Concept Rules for Information Extraction Models focuses on this key element of natural language processing (NLP) and provides real-world guidance on the effective application of text analytics. Using scenarios and data based on business cases across many different domains and industries, the book includes many helpful tips and best practices from SAS text analytics experts to ensure fast, valuable insight from your textual data. Written for a broad audience of beginning, intermediate, and advanced users of SAS text analytics products, including SAS Visual Text Analytics, SAS Contextual Analysis, and SAS Enterprise Content Categorization, this book provides a solid technical reference. You will learn the SAS information extraction toolkit, broaden your knowledge of rule-based methods, and answer new business questions. As your practical experience grows, this book will serve as a reference to deepen your expertise.

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