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BPMN 2.0 Distilled: The Business Process Modeling Notation Createspace Independent Pub

This book provides the most complete formal specification of the semantics of the Business Process Model and Notation 2.0 standard (BPMN) available to date, in a style that is easily understandable for a wide range of readers – not only for experts in formal methods, but e.g. also for developers of modeling tools, software architects, or graduate students specializing in business process management. BPMN – issued by the Object Management Group – is a widely used standard for business process modeling. However, major drawbacks of BPMN include its limited support for organizational modeling, its only implicit expression of modalities, and its lack of integrated user interaction and data modeling. Further, in many cases the syntactical and, in particular, semantic definitions of BPMN are inaccurate, incomplete or inconsistent. The book addresses concrete issues concerning the execution semantics of business processes and provides a formal definition of BPMN process diagrams, which can serve as a sound basis for further extensions, i.e., in the form of horizontal refinements of the core language. To this end, the Abstract State Machine (ASMs) method is used to formalize the semantics of BPMN. ASMs have demonstrated their value in various domains, e.g. specifying the semantics of programming or modeling languages, verifying the specification of the Java Virtual Machine, or formalizing the ITIL change management process. This kind of improvement promotes more consistency in the interpretation of comprehensive models, as well as real exchangeability of models between different tools. In the outlook at the end of the book, the authors conclude with proposing extensions that address actor modeling (including an intuitive way to denote permissions and obligations), integration of user-centric views, a refined communication concept, and data integration.

Business Information Systems Workshops Springer

This book constitutes the thoroughly refereed proceedings of the 10th International Joint Conference on Software Technologies,

ICSOF 2015, held in Colmar, France, in July 2015. The 23 revised full papers presented were carefully reviewed and selected from 117 submissions. The papers are organized around the following conference tracks: enterprise software technologies; software project management; software engineering methods and techniques; distributed and mobile software systems.

Enterprise, Business-Process and Information Systems Modeling Springer

The Complete Business Process Handbook is the most comprehensive body of knowledge on business processes with revealing new research. Written as a practical guide for Executives, Practitioners, Managers and Students by the authorities that have shaped the way we think and work with process today. It stands out as a masterpiece, being part of the BPM bachelor and master degree curriculum at universities around the world, with revealing academic research and insight from the leaders in the market. This book provides everything you need to know about the processes and frameworks, methods, and approaches to implement BPM. Through real-world examples, best practices, LEADing practices and advice from experts, readers will understand how BPM works and how to best use it to their advantage. Cases from industry leaders and innovators show how early adopters of LEADing Practices improved their businesses by using BPM technology and methodology. As the first of three volumes, this book represents the most comprehensive body of knowledge published on business process. Following closely behind, the second volume uniquely bridges theory with how BPM is applied today with the most extensive information on extended BPM. The third volume will explore award winning real-life examples of leading business process practices and how it can be replaced to your advantage. Learn what Business Process is and how to get started Comprehensive historical process evolution In-depth look at the Process Anatomy, Semantics and Ontology Find out how to link Strategy to Operation with value driven BPM Uncover how to establish a way of Thinking, Working, Modelling and Implementation Explore comprehensive Frameworks, Methods and Approaches How to build BPM competencies and establish a Center of Excellence Discover how to apply Social BPM,

Sustainable and Evidence based BPM Learn how Value & Performance Measurement and Management Learn how to roll-out and deploy process Explore how to enable Process Owners, Roles and Knowledge Workers Discover how to Process and Application Modelling Uncover Process Lifecycle, Maturity, Alignment and Continuous Improvement Practical continuous improvement with the way of Governance Future BPM trends that will affect business Explore the BPM Body of Knowledge Lulu Press, Inc

Do you ever think of how you learn--reading, watching, doing? Maybe you use all three. Many of us go through life unaware of how we learn or acquire a skill set; we just learn it. We all have the capability to learn. It is from that perspective and with a passion for business process modeling with Business Process Modeling and Notation (BPMN) that Dr. Joshua Fuehrer and Joseph Butchko set out to write a book that will provide an understanding of BPMN while engaging in the adult learning process for acquiring knowledge. Learning BPMN 2.0 is intended to bridge the gap between theory and practice. While the focus is on learning BPMN, this book will also teach foundational concepts for business process improvement, while maintaining a balance between academia and real-world examples. Through research, anecdotal evidence, and a collection of various resources and videos Learning BPMN 2.0 will help you grasp ideas and transform information in innovative ways. In the end you will have a greater understanding on how to apply BPMN in a way that communicates your organizations business and technical process models.

Bpmn 2.0 Handbook Second Edition BPMN 2.0 Handbook Second Edition

This book constitutes the refereed proceedings of 12 international workshops held in Tallinn, Estonia, in conjunction with the 10th International Conference on Business Process Management, BPM 2012, in September 2012. The 12 workshops comprised Adaptive Case Management and Other Non-Workflow Approaches to BPM (ACM 2012), Business Process Design (BPD 2012), Business Process Intelligence (BPI 2012), Business Process Management and Social Software (BPMS2 2012), Data- and Artifact-Centric BPM (DAB 2012), Event-Driven Business Process Management (edBPM 2012), Empirical Research in Business Process Management (ER-

BPM 2012), Process Model Collections (PMC 2012), Process-Aware Logistics Systems (PALS 2012), Reuse in Business Process Management (rBPM 2012), Security in Business Processes (SBP 2012), and Theory and Applications of Process Visualization (TAProViz 2012). The 56 revised full papers presented were carefully reviewed and selected from 141 submissions.

Real-life BPMN Springer

The BPMN standard notation consolidates the best ideas from other notations (UML activity diagram, IDEF, ebXML, BPSS, ADF, Event-Process Chains EPCs, etc.) and provides an overall information communication mean for all Business Processes stakeholders. The BPMN 2.0 Distilled helps the Business Analysts and Implementers to model the Business Processes in a standardized way. Furthermore, this book describes the new elements coming with the latest BPMN Specification: Choreography and Conversation diagrams.

Handbook on Business Process Management 1 BoD – Books on Demand

This book constitutes the refereed proceedings of the three workshops that were organized in conjunction with the International Conference on Business Information Systems, BIS 2011, which took place in Poznań, Poland, June 15-17, 2011. The 18 workshop papers presented were carefully reviewed and selected from 38 submissions. The topics covered are applications and economics of knowledge-based technologies (AKTB), business and IT alignment (BITA), and legal information systems (LIT). In addition, eight papers from the co-located Business Process and Services Computing Conference (BPSC) are also included in this volume.

The Complete Business Process Handbook Springer

This book constitutes the proceedings of the third workshop on Business Process Model and Notation, BPMN 2011, held in Lucerne, Switzerland, in November 2011. The 8 research papers presented were carefully reviewed and selected from 20 submissions. In addition, 10 short papers are included. The workshop applied a thorough reviewing process, during which each paper was reviewed by three Program Committee members. The BPMN workshop series provides a forum for academics and practitioners who share an interest in business process modeling using the business process modeling notation, which is seen by many as the de facto standard for business process modeling.

This year, the workshop lasted two days and consisted of both a scientific and a practitioner event.

Software Technologies CreateSpace

This is the improved 4th edition of the very successful book "Real-Life BPMN" with excellent reviews on Amazon.com (don't forget to check reviews of the former editions). In this book you will learn how to: Model processes with Business Process Model and Notation (BPMN) Successfully apply BPMN to real-world problems Use a practical approach to workflow automation with BPMN 2.0 Align business, development and operations Understand how microservices impact business processes Implement BPMN across your organization The definitive guide for process designers: provides an overview of business process notation, presents implementation guidance and best practices, and offers useful tips on what works and what doesn't. Truth be told, there are several BPMN books on the market. Some of them are quite good, so why should you care about this one? This book distills the experience the authors have accumulated while running Camunda, a company that delivers the leading open source workflow and decision automation platform. Camunda helped to define the BPMN specification, and during the past 15 years, they have applied BPMN to thousands of customer use cases. These were big businesses, small companies, and public institutions. Now you can benefit from this practical experience. This book also gives an introduction to DMN for decision management, which you might know as business rules management (BRM). This book is also available in German and Spanish. Note: The resolution of all images in the ebook has been increased, starting with the third edition, to improve the digital reading experience.

Business Process Model and Notation Springer

BPMN 2.0 is the industry standard diagramming language for business process models. The meaning of the business process diagram is the same, regardless of the tool used to create it. But creating models that are correct, complete, and clear demands more than a dictionary of BPMN shapes and symbols. It also requires a methodology for translating process logic consistently into the diagram. And it requires a measure of modeling style as well, conventions that ensure that the process logic is unambiguous from the diagram by itself. In short, "good BPMN" requires a disciplined approach called "method and style." In this book, Bruce Silver explains which BPMN elements process

modelers need to understand, in two levels, including exactly where and how to use each element. Level 1 (the Descriptive modeling subclass of BPMN 2.0) is a palette of shapes and symbols largely carried over from traditional flowcharting. Level 2 (the Analytic subclass) expands the palette to be able to describe event-triggered behavior, critical to modeling exception handling. The book explains the real meaning of BPMN's most basic concepts - like activity, process, and end state - essential to using the language correctly, and provides a step-by-step methodology for going from a blank page to a complete end-to-end BPMN model, developed from the top down in a hierarchical structure. From the top-level diagram you can see on a single page exactly how the process starts, its possible end states, what the instance represents, and communications with the Customer, service providers, and other processes. From there you can drill down to see the details of any part of the process.

The MicroGuide to Process Modeling in BPMN 2.0 CRC Press

Bpmn 2.0 Distilled Createspace Independent Publishing Platform

Authored by members of WfMC, OMG and other key participants in the development of BPMN 2.0, the BPMN 2.0 Handbook Second Edition assembles industry thought-leaders and international experts. Following the ground-breaking body of work in the BPMN 2.0 Handbook First Edition this book is greatly expanded with substantial new content and chapters updated to the latest advances in this important standard. The authors examine a variety of aspects that start with an introduction of what's new and updated in BPMN 2.0, and look closely at interchange, best practices, analytics, conformance, optimization, choreography and more from a technical perspective. The authors also address the business imperative for widespread adoption of the standard by examining best practice guidelines, BPMN business strategy and the human interface including real-life case studies. Other critical chapters tackle the practical aspects of making a BPMN model executable and the basic timeline analysis of a BPMN model. This book is for business people who want to understand the how and why of BPMN 2.0 in simple non-jargon terms and the strategy and motivation for its adoption within the corporation. It is also for the technical practitioner seeking current insights into the BPMN 2.0 standard and how to take advantage of its powerful

capabilities. Guide to BPMN 2.0 Technical Aspects * Admission Process Optimization with BPMN and OSCO * Analytics for Performance Optimization of BPMN2.0 Business Processes * Bespoke Enterprise Architecture: Tailoring BPMN 2.0 using Conformance Classes * BPMN 2.0 Interchange * BPMN Extension for Social BPM * Collaborative Activities Inside Pools * Making a BPMN 2.0 Model Executable * New Capabilities for Interaction Modeling in BPMN 2 * New Capabilities for Process Modeling in BPMN 2 * Refactoring BPMN Models * Simulation for Business Process Management Guide to the Business Imperative for BPMN * Best Practice Guidelines for BPMN 2.0 * BPMN and Business Strategy: One Size Does Not Fit All * BPMN Used by Business Professionals: An In-depth Reflection on BPM with BPMN by the Swiss FOITT * Business Process Integration in a Defense Product-focused Company * Human-Readable BPMN Diagrams * Making BPMN 2.0 Fit for Full Business Use * Multi-faceted Business Process Modeling Appendix includes BPMN Supporters list, XPD 2.2 Guide, BPMN Glossary, index and more.

Real-Life BPMN (4th Edition) Springer Science & Business Media BPMN (Business Process Model and Notation) ist der etablierte Standard für die Geschäftsprozessmodellierung, der in nur wenigen Jahren eine weite Verbreitung in der Praxis gefunden hat. Alle wichtigen Modellierungswerkzeuge bieten die BPMN zur grafischen Darstellung betrieblicher Abläufe an. Es lassen sich sowohl fachliche Modelle als auch technisch ausgerichtete Diagramme erstellen, die als Grundlage für die Ausführung in einem Workflow- oder Business Process Management-System (BPMS) dienen. Dieses Buch führt anhand zahlreicher praxisorientierter Beispiele schrittweise in die BPMN ein. Ausgehend von den grundlegenden Elementen zur übersichtlichen Ablaufmodellierung werden nach und nach alle Diagramme der BPMN 2.0 detailliert vorgestellt. Sie lernen die komplette Notation kennen und verstehen. Sie erfahren, wie sie die verschiedenen Sprachkonstrukte korrekt einsetzen. Eine Sammlung bewährter Muster hilft Ihnen bei der Lösung typischer Fragestellungen aus der Praxis der Prozessmodellierung.

BPMN Method and Style Springer
How can we optimize differentiating business processes and exploit their full potential? Here Volker Stiehl provides answers, utilizing the various options that the BPMN (Business Process Model and Notation) standard offers for planning, implementing

and monitoring processes. The book presents an approach for implementing an architecture for applications that strives to find a balance between development and maintenance costs, sustainability, scalability and fault tolerance; that meets flexibility requirements without becoming inordinately complex itself; and that keeps the end application as abstract as possible from the system landscape in which it operates. Based on the semantic enhancements found in version 2.0 of the BPMN standard, which have made it possible to execute process models, his approach exploits BPMN to create and run complete application architectures. In this context, BPMN is not just used to model the business processes of the application, as the "B" in BPMN might suggest; but also to model and execute the integration processes between the systems. Throughout the book, the software package SAP Process Orchestration is used to illustrate the implementation of the proposed architecture, yet all recommendations are intentionally kept generic so that they can be implemented on any other comparable platform as well. Software architects, IT managers, software developers and project managers, as well as students of information and business technology will find the book a valuable resource. The proposed application architecture offers them a detailed blueprint, the principles of which they can use to plan and implement process-driven distributed applications.

Activiti in Action Springer Science & Business Media
This book contains the refereed proceedings of the 12th International Conference on Business Process Modeling, Development and Support (BPMDS 2011) and the 16th International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2011), held together with the 23rd International Conference on Advanced Information Systems Engineering (CAiSE 2011) in London, UK, in June 2011. The 22 papers accepted for BPMDS were selected from 61 submissions and cover a wide spectrum of issues related to business processes development, modeling, and support. They are grouped into sections on BPMDS in practice, business process improvement, business process flexibility, declarative process models, variety of modeling paradigms, business process modeling and support systems development, and interoperability and mobility. The 16 papers accepted for EMMSAD were chosen from 31 submissions and focus on exploring, evaluating, and enhancing current information modeling methods and

methodologies. They are grouped in sections on workflow and process modeling extensions, requirements analysis and information systems development, requirements evolution and information systems evolution, data modeling languages and business rules, conceptual modeling practice, and enterprise architecture.

BPMN 2.0 Packt Publishing Ltd

Go from Business Process Modeling to Orchestration and Service Oriented Architecture with this book and eBook.

Process-Driven Applications with BPMN Bernhard Hitpass

Summary Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN 2.0 from a developer's perspective. About the Technology Activiti streamlines the implementation of your business processes: with Activiti Designer you draw your business process using BPMN. Its XML output goes to the Activiti Engine which then creates the web forms and performs the communications that implement your process. It's as simple as that. Activiti is lightweight, integrates seamlessly with standard frameworks, and includes easy-to-use design and management tools. About the Book Activiti in Action introduces developers to business process modeling with Activiti. You'll start by exploring BPMN 2.0 from a developer's perspective. Then, you'll quickly move to examples that show you how to implement processes with Activiti. You'll dive into key areas of process modeling, including workflow, ESB usage, process monitoring, event handling, business rule engines, and document management integration. Written for business application developers. Familiarity with Java and BPMN is helpful but not required. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book. What's Inside Activiti from the ground up Dozens of real-world examples Integrate with standard Java tooling Table of Contents PART 1 INTRODUCING BPMN 2.0 AND ACTIVITI Introducing the Activiti framework BPMN 2.0: what's in it for developers? Introducing the Activiti tool stack Working with the Activiti process engine PART 2 IMPLEMENTING BPMN 2.0 PROCESSES WITH ACTIVITI Implementing a BPMN 2.0 process Applying advanced BPMN 2.0 and extensions Dealing with error handling Deploying and configuring the Activiti Engine Exploring

additional Activiti modules PART 3 ENHANCING BPMN 2.0 PROCESSES Implementing advanced workflow Integrating services with a BPMN 2.0 process Ruling the business rule engine Document management using Alfresco Business monitoring and Activiti PART 4 MANAGING BPMN 2.0 PROCESSES? Managing the Activiti Engine

Business Process Transformation Springer

Business Process Management (BPM) has become one of the most widely used approaches for the design of modern organizational and information systems. The conscious treatment of business processes as significant corporate assets has facilitated substantial improvements in organizational performance but is also used to ensure the conformance of corporate activities. This Handbook presents in two volumes the contemporary body of knowledge as articulated by the world's leading BPM thought leaders. This first volume focuses on arriving at a sound definition of BPM approaches and examines BPM methods and process-aware information systems. As such, it provides guidance for the

integration of BPM into corporate methodologies and information systems. Each chapter has been contributed by leading international experts. Selected case studies complement their views and lead to a summary of BPM expertise that is unique in its coverage of the most critical success factors of BPM. The second edition of this handbook has been significantly revised and extended. Each chapter has been updated to reflect the most current developments. This includes in particular new technologies such as in-memory data and process management, social media and networks. A further focus of this revised and extended edition is on the actual deployment of the proposed theoretical concepts. This volume includes a number of entire new chapters from some of the world's leading experts in the domain of BPM.

Activiti in Action Future Strategies Inc.

This book constitutes the proceedings of the second workshop on Business Process Modeling Notation, BPMN 2010, held in Potsdam, Germany, in October 2010. The 6 research papers

presented were carefully reviewed and selected from 16 submissions. In addition, 3 short papers and the extended abstracts of 3 invited talks are included. The BPMN workshop series provides a forum for academics and practitioners who share an interest in business process modeling using the Business Process Modeling Notation, which is seen by many as the de facto standard for business process modeling. BPMN promises to bridge business and IT and brings process design and implementation closer together.

Process Mining Walter de Gruyter GmbH & Co KG

Examines what's new and updated in BPMN 2.0 and look at interchange, best practice, analytics, conformance, optimization, choreography from a technical perspective. Also addresses the business imperative for widespread adoption of the standard by examining best practice guidelines, BPMN business strategy and the human interface including real-life case studies. Other chapters tackle the practical aspects of making BPMN model executable and the basic time-line analysis of a BPMN model.

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