
Process Modeling With Aris A Practical Introduction

A Rigorous Approach

Applied Multidimensional Geological Modeling

Fundamentals of Business Process Management

Business Process Management

Process-Aware Information Systems

An Enterprise Model-based Approach for Describing and Enacting Collaborative
Business Processes

Introduction to the Standard for Business Process Modeling

Value-Driven Business Process Management: The Value-Switch for Lasting
Competitive Advantage

23rd International Conference, CAiSE 2011, London, UK, June 20-24, 2011,
Proceedings

Asset Condition, Information Systems and Decision Models

Advanced Information Systems Engineering

ARIS - Business Process Modeling

Architecture of Interoperable Information Systems
Advanced Process Modelling and Administration
Business Process Model Abstraction
Business Process Management
Theory and Practice
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Bridging People and Software Through Process Technology
BPM 2008 International Workshops, Milano, Italy, September 1-4, 2008, Revised
Papers
BPM 2007 International Workshops, BPI, BPD, CBP, ProHealth, RefMod,
semantics4ws, Brisbane, Australia, September 24, 2007, Revised Selected Papers
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Business Process Change Management
Software Engineering and Management in a Globalized World
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Process Modelling and Model Analysis
21st International Conference, CAiSE 2009, Amsterdam, The Netherlands, June 8-12,
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A Rigorous Approach

John Wiley & Sons
moderation of the

workshops, and the
publication process.
*Applied Multidimensional
Geological Modeling*

Morgan Kaufmann
This textbook covers the
entire Business Process
Management (BPM)
lifecycle, from process

identification to process
monitoring, covering
along the way process
modelling, analysis,
redesign and automation.
Concepts, methods and
tools from business
management, computer
science and industrial

engineering are blended into one comprehensive and inter-disciplinary approach. The presentation is illustrated using the BPMN industry standard defined by the Object Management Group and widely endorsed by practitioners and vendors worldwide. In addition to explaining the relevant conceptual background, the book provides dozens of examples, more than 230 exercises – many with solutions – and numerous suggestions for further reading. This second

edition includes extended and completely revised chapters on process identification, process discovery, qualitative process analysis, process redesign, process automation and process monitoring. A new chapter on BPM as an enterprise capability has been added, which expands the scope of the book to encompass topics such as the strategic alignment and governance of BPM initiatives. The textbook is the result of many years of combined teaching experience of the authors,

both at the undergraduate and graduate levels as well as in the context of professional training. Students and professionals from both business management and computer science will benefit from the step-by-step style of the textbook and its focus on fundamental concepts and proven methods. Lecturers will appreciate the class-tested format and the additional teaching material available on the accompanying website. *Fundamentals of Business*

Process Management
Springer Science &
Business Media
Seize the competitive
advantage with BPM at
the heart of your strategy
Value-Driven Business
Process Management
provides the rationale and
methods for using
business Process
Management (BPM) to
gain clarity on how your
business operates and
develop the ability to put
new ideas into action
quickly. You learn how to
redirect your focus from a
"method-and-tool" view of
BPM to a more broadly

informed view of BPM as a
powerful management
approach. Peter Franz,
Managing Director for
Business Process
Management at
Accenture, is responsible
for the global team that
helps clients achieve
sustainable shareholder
and customer value
through scalable, efficient
and agile business
processes. Dr. Mathias
Kirchmer, Accenture's
Executive Director for
Business Process
Management, leads the
global BPM-Lifecycle
Practice, as well as the

program for the
development of
Accenture's Business
Process Reference Models
across industries and
functional areas.

**Business Process
Management** Springer
Science & Business Media
This book shows you how
to achieve business
process excellence
through change
management activities,
with case studies from
major corporations such
as American Meter and
the US Navy. The book
defines business process
change management as

information, communication, and training that enable people to make change and improvements happen. Using case studies the text shows how this change management is applied in practice using a framework like the ARIS House of Business Process Excellence or software tools like the ARIS Toolset. Process-Aware Information Systems Springer Science & Business Media
 Within this book 16 BPM/SAP experts

(authors) have applied the 16 BPM areas of the SAP BPM framework within their company. The companies that have contributed to this book are: CSM, Philips, DSM, KLM, Dutch Railways, Bavaria, Tata Steel, Achmea, Ministry of Dutch Defense, Kuwait Oil, SAP and ERIKS. Many large companies are re-defining their BPM(S) strategy and BPM / ALM roadmap and are using the SAP BPM framework to define their own BPM project portfolio. The SAP BPM framework links the BPM maturity

models in the market (like EFQM, OMG and Gartner) with the available (non) SAP tooling and BPM methodologies. The SAP BPM Framework contains 16 BPM areas, for which most company have 16 separate project portfolio's with 16 different stakeholders. The BPM strategy of SAP will be explained by Ann Rosenberg. The Capgemini BPM manager will explain why the key competitive capability of companies will be to continuously improve their business model and

BPM governance to find new revenue streams. An Enterprise Model-based Approach for Describing and Enacting Collaborative Business Processes Springer Science & Business Media Businesses need to adapt constantly, but are often held back by static IT systems. The 'Riva approach to Business Process Management' is a way of analysing the mass of concurrent, collaborative activity that goes on in an organisation, providing a solid basis for developing

flexible IT systems that support a business. *Introduction to the Standard for Business Process Modeling* IBM Redbooks This book constitutes the refereed proceedings of the 6th International Conference on Electronic Government held in September 2007. The 37 revised papers were selected from numerous submissions. They cover research foundations, frameworks and methods, process design and interoperability, electronic services, policies and

strategies, assessment and evaluation, participation and democracy, and perspectives on e-government.

Value-Driven Business Process Management: The Value-Switch for Lasting Competitive Advantage Logos Verlag Berlin GmbH Asset Condition, Information Systems and Decision Models, is the second volume of the Engineering Asset Management Review Series. The manuscripts provide examples of

implementations of asset information systems as well as some practical applications of condition data for diagnostics and prognostics. The increasing trend is towards prognostics rather than diagnostics, hence the need for assessment and decision models that promote the conversion of condition data into prognostic information to improve life-cycle planning for engineered assets. The research papers included here serve to support the on-going development of

Condition Monitoring standards. This volume comprises selected papers from the 1st, 2nd, and 3rd World Congresses on Engineering Asset Management, which were convened under the auspices of ISEAM in collaboration with a number of organisations, including CIEAM Australia, Asset Management Council Australia, BINDT UK, and Chinese Academy of Sciences, Beijing University of Chemical Technology, China. Asset Condition, Information Systems and Decision

Models will be of particular interest to finance, maintenance, and operations personnel whose roles directly affect the capability value of engineering asset base, as well as asset managers in both industry and government.

23rd International Conference, CAiSE 2011, London, UK, June 20-24, 2011,

Proceedings John Wiley & Sons

Business process management is usually treated from two different perspectives: business

administration and computer science. While business administration professionals tend to consider information technology as a subordinate aspect in business process management for experts to handle, by contrast computer science professionals often consider business goals and organizational regulations as terms that do not deserve much thought but require the appropriate level of abstraction. Matthias Weske argues that all

communities involved need to have a common understanding of the different aspects of business process management. To this end, he details the complete business process lifecycle from the modeling phase to process enactment and improvement, taking into account all different stakeholders involved. After starting with a presentation of general foundations and abstraction models, he explains concepts like process orchestrations and choreographies, as

well as process properties and data dependencies. Finally, he presents both traditional and advanced business process management architectures, covering, for example, workflow management systems, service-oriented architectures, and data-driven approaches. In addition, he shows how standards like WfMC, SOAP, WSDL, and BPEL fit into the picture. This textbook is ideally suited for classes on business process management, information systems

architecture, and workflow management. This 3rd edition contains a new chapter on business decision modelling, covering the Decision Model and Notation (DMN) standard; the chapter on process choreographies has been streamlined, and numerous clarifications have been fetched throughout the book. The accompanying website www.bpm-book.com contains further information and additional teaching material. *Asset Condition,*

Information Systems and Decision Models Springer Science & Business Media This book covers the whole spectrum of modeling goals to achieve optimal quality in the process model developed. It focuses on how to balance quality considerations across all semiotic levels when models are used for different purposes, and is based on SEQUAL, a framework for understanding the quality of models and modeling languages, which can take into account all main

aspects relating to the quality of models. Chapter 1 focuses on the theoretical foundations, introducing readers to the topics of business processes and business process modeling, as well as the most important concept underlying the modeling of business processes. In turn, Chapter 2 addresses the quality of models in general and business process models in particular. Chapter 3 contains a specialization of SEQUAL for quality of business process models.

In Chapter 4, examples of the practical uses of business process models are provided, together with the results of detailed case studies on how to achieve and maintain quality in business process models. Chapter 5 presents a process modeling value framework that demonstrates how to achieve more long-term and higher return on investment with regard to (business) process and enterprise models. Lastly, Chapter 6 reviews the main points of the book

and discusses the potential for business process modeling in the future through its combination with other types of modeling. The book has two intended audiences. It is primarily intended for computer science, software engineering and information system students at the postgraduate level who want to know more about business process modeling and the quality of models in preparation for professional practice. The second audience

consists of professionals with extensive experience in and responsibilities related to the development and evolution of process-oriented information systems and information systems methodologies in general, who need to formalize and structure their practical experience or update their knowledge as a way to improve their professional activity. The book also includes a number of real-world case studies that make it easier to grasp the main theoretical concepts,

helping readers apply the approaches described.

Advanced Information Systems Engineering

Springer Science & Business Media

This book describes in detail how ARIS methods model and identify business processes by means of the UML (Unified Modeling Language), leading to an information model that serves as the basis for a systematic and intelligent development of application systems.

Multiple real-world examples using SAP R/3 illustrate aspects of

business process modeling including methods of knowledge management, implementation of workflow systems and standard software solutions, and the deployment of ARIS methods.

ARIS - Business Process Modeling Springer

This book constitutes the thoroughly refereed post-proceedings of the Second International Conference on Subject-Oriented Business Process Management, S-BPM ONE 2010, held in Karlsruhe,

Germany in October 2010. The 10 revised full papers presented together with one invited keynote paper and three panel statements were carefully reviewed and selected from initially 17 submissions. The papers present innovative cross-disciplinary ideas, concepts, methods, tools and results in foundational and applied research as well as studies on the realization of such innovations in the real world - all based on the promising new paradigm of subject-

oriented business process management.

Architecture of Interoperable Information Systems Springer Science & Business Media

This book is a design handbook and provides skills to successfully design, implement, and optimize business processes on top of SOA. Starting with business process modeling, it shows design principles to architect sound process architectures. It presents best practices for modeling business processes using BPMN,

together with design principles for services and composite applications. It provides detailed coverage of how to prepare business processes for execution. An in-depth explanation of human interactions is given and also principles and best practices for using rules. Moving on, Adaptive Case Management principles are explained, along with the reach of business processes to mobile devices and ensuring multichannel interactions. Business activity

monitoring, event-driven architectures, complex event processing in relation to business processes, and enabling integration with events and IoT devices are explained. The design principles and best practices are demonstrated in a practical way on a rental car use case. *Advanced Process Modelling and Administration* Artech House
Enterprises have to adapt their business processes quickly and efficiently to

new business environments to ensure business success and long term survival. It is not sufficient to apply best business practices but new practices have to be developed and executed. These requirements are met by new business process automation technologies, based on concepts like web services, EAI, workflow, enterprise service architectures, and automation engines. Business process automation becomes a key enabler for business

process excellence. This book explains major trends in business process automation and shows how new technologies and solutions are applied in practice. It outlines how process automation becomes an element of an overall process lifecycle management approach, structured on the basis of the ARIS House of business excellence and implemented through software tools like the ARIS toolset. Business Process Model Abstraction Cambridge

University Press
ARIS (Architecture of Integrated Information Systems) is a unique and internationally renowned method for optimizing business processes and implementing application systems. This book enhances the proven ARIS concept by describing product flows and explaining how to classify modern software concepts. The importance of the link between business process organization and strategic management is stressed. Bridging the gap between

the different approaches in business theory and information technology, the ARIS concept provides a full-circle approach-from the organizational design of business processes to IT implementation. With an emphasis on SAP R/3, real-world examples of standard software solutions illustrate these business process frameworks.

Business Process Management Springer Science & Business Media
Constitutes the refereed post-workshop proceedings of 9

international workshops held in Milano, Italy, in conjunction with the 6th International Conference on Business Process Management, BPM 2008, in September 2008. *Theory and Practice* Courier Corporation
Most of the articles in this volume are revised versions of papers presented during the 1st GROOM-Workshop on the Unified Modeling Language (UML). GROOM (Grundlagen objektorientierter Modellierung) is a working group of the Gesellschaft

fur Informatik (GI), the German Society of Computer Science. The workshop took place at the University of Mannheim (Germany) in October 1997; the local organizers were Martin Schader and Axel Korthaus, Department of Information Systems. The scientific program of the workshop included 21 talks, presented in German language on Friday, Oct. 10th, and Saturday, Oct. 11th, 1997. Researchers and practitioners interested in object-oriented software

development, analysis and design of software systems, standardization efforts in the field of object technology, and particularly in the main topic of the workshop: "Applications, State of the Art, and Evaluation of the Unified Modeling Language" had the opportunity to discuss recent developments and to establish cooperation in these fields. The workshop owed much to its sponsors and supporters - University of Mannheim - Faculty of Business Administration,

University of Mannheim - Sun Microsystems GmbH - Apcon Professional Concepts GmbH. Their generous support is gratefully acknowledged. In the present proceedings volume, papers are presented in three chapters as follows. *ARIS — Business Process Modeling* Springer Science & Business Media Process Modelling and Model Analysis describes the use of models in process engineering. Process engineering is all about manufacturing--of just about anything! To

manage processing and manufacturing systematically, the engineer has to bring together many different techniques and analyses of the interaction between various aspects of the process. For example, process engineers would apply models to perform feasibility analyses of novel process designs, assess environmental impact, and detect potential hazards or accidents. To manage complex systems and enable process design, the behavior of systems is

reduced to simple mathematical forms. This book provides a systematic approach to the mathematical development of process models and explains how to analyze those models. Additionally, there is a comprehensive bibliography for further reading, a question and answer section, and an accompanying Web site developed by the authors with additional data and exercises. Introduces a structured modeling methodology emphasizing the importance of the

modeling goal and including key steps such as model verification, calibration, and validation Focuses on novel and advanced modeling techniques such as discrete, hybrid, hierarchical, and empirical modeling Illustrates the notions, tools, and techniques of process modeling with examples and advances applications
ARIS — Business Process Modeling
 Springer Science & Business Media
 In recent years the management of business

processes has emerged as one of the major developments to ease the understanding of, communication about, and evolution of process-oriented information systems in a variety of application domains. Based on explicit representations of business processes, process stakeholders can communicate about process structure, content, and possible improvements. Formal analysis, verification and simulation techniques have the potential to

show deficits and to effectively lead to better and more flexible processes. Process mining facilitates the discovery of process specifications from process logs that are readily available in many organizations. This volume of Springer's Lecture Notes in Computer Science contains the papers presented at the 2nd International Conference on Business Process Management (BPM 2004) which took place in Potsdam, Germany, in June 2004. From more

than 70 submissions BPM 2004 received, 19 high-quality research papers were selected. BPM 2004 is part of a conference series that provides a forum for researchers and practitioners in all aspects of business process management. In June 2003, the 1st International Conference on Business Process Management took place in Eindhoven, The Netherlands. Its proceedings were published as Volume 2678 of Lecture Notes in Computer Science by

Springer-Verlag. A previous volume (LNCS1806) on Business Process Management was based on four events devoted to this topic.

Business Process Management Design Guide: Using IBM Business Process Manager BCS, The Chartered Institute

This textbook helps beginners learn ARIS and advanced users will find useful and valuable hints. It complements existing training as well as self studies. First, the reader learns the basics of

process organization as well as the roles and effects of computers in enterprises. Next, the ARIS methodologies are

explained. Finally, the essential concept, the ARIS views (organization, function, data and process) are explained and the most common

models are introduced. The book offers many practical modeling examples, exercises, and solutions.

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