

The Ibm Insurance Application Architecture A Blueprint

Ingo Weber develops new approaches for the rapid development and flexible adaption of business processes, which are often the main requirements in today's IT support for enterprises. Key issues covered by his work are the automatic composition of processes out of predefined components and the verification of specific process properties. His research aims at quickly creating executable process models, which orchestrate the usage of Web services. He investigates how process modelers can be supported by semantic technologies, e.g., by semantically enriched process models or annotated Web services, and puts special emphasis on expressiveness and scalability.

"This book provides insights into state-of-the-art modeling languages and methods used for reference modeling. A reference model provides a blueprint for information systems development and analysis. Well-established reference models for industrial, retail and other industries are described"--Provided by publisher.

A Comprehensive Process for Defining Software Architectures That Work A good software architecture is the foundation of any successful software system. Effective architecting requires a clear understanding of organizational roles, artifacts, activities performed, and the optimal sequence for performing those activities. With *The Process of Software Architecting*, Peter Eeles and Peter Cripps provide guidance on these challenges by covering all aspects of architecting a software system, introducing best-practice techniques that apply in every environment, whether based on Java EE, Microsoft .NET, or other technologies. Eeles and Cripps first illuminate concepts related to software architecture, including architecture documentation and reusable assets. Next, they present an accessible, task-focused guided tour through a typical project, focusing on the architect's role, with common issues illuminated and addressed throughout. Finally, they conclude with a set of best practices that can be applied to today's most complex systems. You will come away from this book understanding The role of the architect in a typical software development project How to document a software architecture to satisfy the needs of different stakeholders The applicability of reusable assets in the process of architecting The role of the architect with respect to requirements definition The derivation of an architecture based on a set of requirements The relevance of architecting in creating complex systems *The Process of Software Architecting* will be an indispensable resource for every working and aspiring software architect—and for every project manager and other software professional who needs to understand how architecture influences their work.

This IBM® Redbooks® publication provides information about how you can connect mobile devices to IBM Customer Information Control System (CICS®) Transaction Server (CICS TS), using existing enterprise services already hosted on CICS, or to develop new services supporting new lines of business. This book describes the steps to develop, configure, and deploy a mobile application that connects either directly to CICS TS, or to CICS via IBM Worklight® Server. It also describes the advantages that your organization can realize by using Worklight Server with CICS. In addition, this Redbooks publication provides a broad understanding of the new CICS architecture that enables you to make new and existing mainframe applications available as web services using JavaScript Object Notation (JSON), and provides support for the transformation between JSON and application data. While doing so, we provide information about each resource definition, and its role when CICS handles or makes a request. We also describe how to move your CICS applications, and business, into the mobile space, and how to prepare your CICS environment for the following scenarios: Taking an existing CICS application and exposing it as a JSON web service Creating a new CICS application, based on a JSON schema Using CICS as a JSON client This Redbooks publication provides information about the installation and configuration steps for both Worklight Studio and Worklight Server. Worklight Studio is the Eclipse interface that a developer uses to implement a Worklight native or hybrid mobile application, and can be installed into an Eclipse instance. Worklight Server is where components developed for the server side (written in Worklight Studio), such as adapters and custom server-side authentication logic, run. CICS applications and their associated data constitute some of the most valuable assets owned by an enterprise. Therefore, the protection of these assets is an essential part of any CICS mobile project. This Redbooks publication, after a review of the main mobile security challenges, outlines the options for securing CICS JSON web services, and reviews how products, such as Worklight and IBM DataPower®, can help. It then shows examples of security configurations in CICS and Worklight.

This book captures and communicates the wealth of architecture experience Capgemini has gathered as a member of The Open Group – a vendor- and technology-neutral consortium formed by major industry players – in developing, deploying, and using its “Integrated Architecture Framework” (IAF) since its origination in 1993. Today, many elements of IAF have been incorporated into the new version 9 of TOGAF, the related Open Group standard. The authors, all working on and with IAF for many years, here provide a full reference to IAF and a guide on how to apply it. In addition, they describe in detail the relations between IAF and the architecture standards TOGAF and Archimate and other development or process frameworks like ITIL, CMMI, and RUP. Their presentation is targeted at architects, project managers, and process analysts who have either considered or are already working with IAF – they will find many roadmaps, case studies, checklists, and tips and advice for their daily work.

The next generation of Business Process Management (BPM) methods and tools will support the development of a new generation of service-enabled applications that change and evolve over time. The trend is moving from relatively stable, organization-specific applications to dynamic ones supporting business processes. This book is an outcome of the International Workshop on Business System Management and Engineering (BSME 2010), held in Malaga, Spain, in June/July 2010, in conjunction with the TOOLS 2010 federated conferences and under the aegis of the EU Network of Excellence on Service Software and Systems (S-Cube). The goal of the workshop was to bring together experts in the fields of business process management, service-oriented architectures, and service security to discuss the current state of research and identify new issues, challenges, and research directions. The results of these discussions are reflected in this book.

This book constitutes the refereed proceedings of the 20th International Conference on Advanced Information Systems Engineering, CAiSE 2008, held in Montpellier, France, in June 2008. The 35 revised full papers and 9 revised short papers presented together with 1 keynote lecture were carefully reviewed and selected from 273 submissions. The papers are organized in topical sections on duality and process modelling, interoperability of IS and enterprises, refactoring, information systems in e-government and life-science, knowledge patterns for IS engineering, requirements engineering for IS, conceptual schema modelling, service infrastructure, service evolution, flexible information technologies, metrics and process modelling, information system engineering, and IS development with ubiquitous technologies.

This book constitutes the refereed proceedings of 6 international workshops held in conjunction with the 4th International

Conference on Business Process Management, BPM 2006, in Vienna, Austria in September 2006. The 40 revised full papers presented were carefully reviewed and selected from a total of 94 overall submissions to six international workshops.

Electronic Financial Services provides an extensive overview of technology management and information communications technologies (ICT) in the financial services. Chapters cover E-banking, E-insurance, E-stock trading and E-fundraising and use examples of state-of-the-art information systems that are supporting the Internet operations of many financial service institutions. Jargon is not avoided, but is explained thoroughly. Includes studies of e-finance systems in use by the major financial services in the world. Small case studies are included, plus questions for discussion are given at chapter ends.

The increasing adoption of Business Process Management (BPM) has inspired pioneering software architects and developers to effectively leverage BPM-based software and process-centric architecture (PCA) to create software systems that enable essential business processes. Reflecting this emerging trend and evolving field, *Process-Centric Architecture*

This Third Edition of the groundbreaking book *Designing Organizations* offers a guide to the process of creating and managing an organization (no matter how complex) that will be positioned to respond effectively and rapidly to customer demands and have the ability to achieve unique competitive advantage. This latest edition includes fresh illustrative examples and references, while the foundation of the book remains the author's popular and widely used Star Model. Includes a comprehensive explanation of the basics of organization design. Outlines a strategic approach to design that is based on the Star Model, a holistic framework for combining strategy, structure, processes, rewards, and people. Describes the different types of single-business, functional organizations and focuses on the functional structure and the cross-functional lateral processes that characterize most single-business organizations. Features a special section on the effects of big data on organization design, and whether or not it will result in a new dimension of organizational structure. Highlighting the social technologies used to coordinate work flows, products, and services across the company, this new edition of *Designing Organizations* brings theory to life with a wealth of examples from such well-known companies as Disney, Nike, IBM, and Rovio (*Angry Birds*) to show how various kinds of organization designs operate differently.

This book constitutes the proceedings of the 7th Joint International Conference on Service-Oriented Computing, ICSOC-ServiceWave 2009, held in Stockholm, Sweden, in November 2009. The 54 contributions to this volume, consisting of 37 full papers, 8 short papers and 9 demonstration papers, were carefully reviewed and selected from 228 submissions. The papers are arranged in topical sections on composition, discovery, design principles, customization and adaptation, negotiation, agreements and compliance, selection, platforms and infrastructures, security, modeling and design, validation and verification, reputation and ranking, and service management. This volume launches the new subline of *Lecture Notes in Computer Science*, entitled *LNCS Services Science*.

A revised and updated look at the issues relating to the sourcing of systems and business processes with new thematic case studies, examining the client's and the vendor's involvement in sourcing relationships by putting the emphasis on the capabilities that each side should develop as a result of their interactions with each other.

Innovating in Product/Process Development demonstrates how to achieve true innovation in product development, and how to launch a new product in the quickest and cheapest way. The new approach to product development proposed in this book is based on the most recent research in the field. It suggests the integration of several tools that are currently only used independently, with the aim of stimulating the creation of innovative ideas in general, and specifically in the areas of product/process improvements and problem solving. *Innovating in Product/Process Development* explores different aspects of innovation processes in twenty-first century industry from a global economic perspective. It presents in detail several approaches to support these processes, from ICT-based systems to collaborative working environments, all of which will be of interest to MBA or advanced students; researchers; and design teams charged with the creation of new product lines.

Business process management (BPM) constitutes one of the most exciting - search areas in computer science and the BPM Conference together with its workshops provides a distinct platform for presenting the latest research and showing future directions in this area. These proceedings contain the final versions of papers accepted for the workshops held in conjunction with the 7th International Conference on Business Process Management (BPM 2009). The BPM 2009 conference and workshops took place in Ulm, Germany. We received many interesting workshop proposals, eight of which were selected. Ultimately the workshops ran on September 7, 2009 featuring highly interesting keynotes, inspiring scientific presentations, and fruitful discussions. The history of five years of BPM workshops in a row proves the continued success of the workshop program. The workshop held in 2009 included one new workshop on empirical research in business process management and seven well-established workshops. First International Workshop on Empirical Research in Business Process Management (ER-BPM 2009). The ER-BPM 2009 workshop addressed the demand for empirical research methods such as experimental or case studies to BPM and invited fellow colleagues to investigate both the potential and the limitations of BPM methods and technologies in practice. The ER-BPM workshop aimed at closing the gap in knowledge on process management and at discussing empirical research in the space of BPM and associated phenomena. 12th International Workshop on Reference Modeling (RefMod 2009). Although conceptual models have proven to be a useful means to support information systems engineering in the past few years, creating and especially maintaining conceptual models can be quite challenging and costly.

Packed with international case studies and examples, the book begins with a detailed analysis of the state of CRM and e-business in the financial services globally, and then goes on to provide comprehensive and practical guidance on: making the most of your customer base; systems and data management; risk and compliance; channels and value chain issues; implementation; strategic implications.

The organization pursuing digital transformation must embrace new ways to use and deploy integration technologies, so they can move quickly in a manner appropriate to the goals of multicloud, decentralization, and microservices. The integration layer must transform to allow organizations to move boldly in building new customer experiences, rather than forcing models for architecture and development that pull away from maximizing the organization's productivity. Many organizations have started embracing agile application techniques, such as microservice architecture, and are now seeing the benefits of that shift. This approach complements and accelerates an enterprise's API strategy. Businesses should also seek to use this approach to modernize their existing integration and messaging infrastructure to achieve more effective ways to manage and operate their integration services in their private or public cloud. This IBM® Redbooks® publication explores the merits of what we refer to as agile integration; a container-based, decentralized, and microservice-aligned approach for integration solutions that meets the demands of agility, scalability, and resilience required by digital transformation. It also discusses how the IBM Cloud Pak for Integration marks a significant leap forward in integration technology by embracing both a cloud-native approach and container technology to achieve the goals of agile integration. The target audiences for this book are cloud integration architects, IT specialists, and application developers.

Big Data Application Architecture Pattern Recipes provides an insight into heterogeneous infrastructures, databases, and visualization and analytics tools used for realizing the architectures of big data solutions. Its problem-solution approach helps in selecting the right architecture to solve the problem at hand. In the process of reading through these problems, you will learn harness the power of new big data opportunities which various enterprises use to attain real-time profits. Big Data Application Architecture Pattern Recipes answers one of the most critical questions of this time 'how do you select the best end-to-end architecture to solve your big data problem?'. The book deals with various mission critical problems encountered by solution architects, consultants, and software architects while dealing with the myriad options available for implementing a typical solution, trying to extract insight from huge volumes of data in real-time and across multiple relational and non-relational data types for clients from industries like retail, telecommunication, banking, and insurance. The patterns in this book provide the strong architectural foundation required to launch your next big data application. The architectures for realizing these opportunities are based on relatively less expensive and heterogeneous infrastructures compared to the traditional monolithic and hugely expensive options that exist currently. This book describes and evaluates the benefits of heterogeneity which brings with it multiple options of solving the same problem, evaluation of trade-offs and validation of 'fitness-for-purpose' of the solution.

This handbook is about methods, tools and examples of how to architect an enterprise through considering all life cycle aspects of Enterprise Entities. It is based on ISO15704:2000, or the GERAM Framework. A wide audience is addressed, as the handbook covers methods and tools necessary to design or redesign enterprises, as well as those necessary to structure the implementation into manageable projects. Praise for Service-Oriented Architecture Compass "A comprehensive roadmap to Service-Oriented Architecture (SOA). SOA is, in reality, a business architecture to be used by those enterprises intending to prosper in the 21st century. Decision makers who desire that their business become flexible can jumpstart that process by adopting the best practices and rules of thumb described in SOA Compass." -Bob Laird, MCI IT Chief Architect "The book Service-Oriented Architecture Compass shows very clearly by means of real projects how agile business processes can be implemented using Service-Oriented Architectures. The entire development cycle from planning through implementation is presented very close to practice and the critical success factors are presented very convincingly." -Professor Dr. Thomas Obermeier, Vice Dean of FHDW Bergisch Gladbach, Germany "This book is a major improvement in the field. It gives a clear view and all the key points on how to really face a SOA deployment in today's organizations." -Mario Moreno, IT Architect Leader, Generali France "Service-Oriented Architecture enables organizations to be agile and flexible enough to adopt new business strategies and produce new services to overcome the challenges created by business dynamism today. CIOs have to consider SOA as a foundation of their Enterprise Applications Architecture primarily because it demonstrates that IT aligns to business processes and also because it positions IT as a service enabler and maximizes previous investments on business applications. To understand and profit from SOA, this book provides CIOs with the necessary concepts and knowledge needed to understand and adapt it into their IT organizations." -Sabri Hamed Al-Azazi, CIO of Dubai Holding, Sabri "I am extremely impressed by the depth and scale of this book! The title is perfect-when you know where you want to go, you need a compass to guide you there! After good IT strategy leads you to SOA, this book is the perfect vehicle that will drive you from dream to reality. We in DSK Bank will use it as our SOA bible in the ongoing project." -Miro Vichev, CIO, DSK Bank, Bulgaria, member of OTP Group "Service-Oriented Architecture offers a pathway to networking of intra- and inter-corporate business systems. The standards have the potential to create far more flexible and resilient business information systems than have been possible in the past. This book is a must-read for those who care about the future of business IT." -Elizabeth Hackenson, CIO, MCI "Service-Oriented Architecture is key to help customers become on demand businesses-a business that can quickly respond to competitive threats and be first to take advantage of marketplace opportunities. SOA Compass is a must-read for those individuals looking to bridge the gap between IT and business in order to help their enterprises become more flexible and responsive." -Michael Liebow, Vice President, Web Services and Service-Oriented Architecture, IBM Business Consulting Services "This book is a welcome addition to SOA literature. It articulates the business case and provides practical proven real-world advice, guidance, tips, and techniques for organizations to make the evolution from simple point-to-point web services to true SOA by addressing such topics as planning, organization, analysis and design, security, and systems management." -Denis O'Sullivan, Fireman's Fund Enterprise Architect Maximize the business value and flexibility of your SOA deployment In this book, IBM Enterprise Integration Team experts present a start-to-finish guide to planning, implementing, and managing Service-Oriented Architecture. Drawing on their extensive experience helping enterprise customers migrate to SOA, the authors share hard-earned lessons and best practices for architects, project managers, and software development leaders alike. Well-written and practical, Service-Oriented Architecture Compass offers the perfect blend of principles and "how-to" guidance for transitioning your infrastructure to SOA. The authors clearly explain what SOA is, the opportunities it offers, and how it differs from earlier approaches. Using detailed examples from IBM consulting engagements, they show how to deploy SOA solutions that tightly integrate with your processes and operations, delivering maximum flexibility and value. With detailed coverage of topics ranging from policy-based management to workflow implementation, no other SOA book offers comparable value to workingIT professionals. Coverage includes SOA from both a business and technical standpoint-and how to make the business case Planning your SOA project: best practices and pitfalls to avoid SOA analysis and design for superior flexibility and value Securing and managing your SOA environment Using SOA to simplify enterprise application integration Implementing business processes and workflow in SOA environments Case studies in SOA deployment After you've deployed: delivering better collaboration, greater scalability, and more sophisticated applications The IBM Press developerWorks® Series is a unique undertaking in which print books and the Web are mutually supportive. The publications in this series are complemented by resources on the developerWorks Web site on ibm.com. Icons throughout the book alert the reader to these valuable resources.

With a growing market currently in excess of \$150 billion, outsourcing has become a critical boardroom agenda. Meeting this challenge, Andrew and Nada Kakabadse answers key boardroom questions: Q What will be the key areas of outsourcing in the future? A IT and HR! Q What supplier relationships work best: partnerships, joint ventures? A No, the preferred single supplier still provides best service! Q Does well-managed outsourcing make a difference? A Substantially, both strategic and operational! As one of the largest international surveys on outsourcing, Smart Sourcing highlights what it takes to be "outsource ready" and thus become a high performing company. The message is focus on your strengths and know how to use others in order to clearly differentiate!

Constitutes the refereed proceedings of the 10th International Conference on Model Driven Engineering Languages and Systems (formerly the UML series of conferences), MODELS 2007, held in Nashville, USA, September 30 - October 5, 2007. This book includes papers that are organized in topical sections on model transformation and modeling constraints.

Endorsed by all major vendors (Microsoft, Oracle, IBM, and SAP), SOA has quickly become the industry standard for building next-generation software; this practical guide shows readers how to achieve the many benefits of SOA Begins with a look at the architectural principles needed to create successful applications and then goes on to examine the process for designing services and SOA implementations Each stage of the design process has an accompanying chapter that walks readers through the details and provides helpful tips, techniques, and examples The author team of SOA practitioners also provides two unique, comprehensive, end-to-end case studies illustrating the architectural and design techniques presented in the book

This book constitutes the thoroughly refereed post-workshop proceedings of nine international workshops held in Hoboken, NJ, USA, in conjunction with the 8th International Conference on Business Process Management, BPM 2010, in September 2010. The nine workshops focused on Reuse in Business Process Management (rBPM 2010), Business Process Management and Sustainability (SusBPM 2010), Business Process Design (BPD 2010), Business Process Intelligence (BPI 2010), Cross-Enterprise Collaboration, People, and Work (CEC-PAW 2010), Process in the Large (IW-PL 2010), Business Process Management and Social Software (BPMS2 2010), Event-Driven Business Process Management (edBPM 2010), and Traceability and Compliance of Semi-Structured Processes (TC4SP 2010). In addition, three papers from the special track on Advances in Business Process Education are also included in this volume. The overall 66 revised full papers presented were carefully reviewed and selected from 143 submissions.

Managing Time in Relational Databases: How to Design, Update and Query Temporal Data introduces basic concepts that will enable businesses to develop their own framework for managing temporal data. It discusses the management of uni-temporal and bi-temporal data in relational databases, so that they can be seamlessly accessed together with current data; the encapsulation of temporal data structures and processes; ways to implement temporal data management as an enterprise solution; and the internalization of pipeline datasets. The book is organized into three parts. Part 1 traces the history of temporal data management and presents a taxonomy of bi-temporal data management methods. Part 2 provides an introduction to Asserted Versioning, covering the origins of Asserted Versioning; core concepts of Asserted Versioning; the schema common to all asserted version tables, as well as the various diagrams and notations used in the rest of the book; and how the basic scenario works when the target of that activity is an asserted version table. Part 3 deals with designing, maintaining, and querying asserted version databases. It discusses the design of Asserted Versioning databases; temporal transactions; deferred assertions and other pipeline datasets; Allen relationships; and optimizing Asserted Versioning databases. Integrates an enterprise-wide viewpoint with a strong conceptual model of temporal data management allowing for realistic implementation of database application development. Provides a true practical guide to the different possible methods of time-oriented databases with techniques of using existing functionality to solve real world problems within an enterprise data architecture environment. Written by IT professionals for IT professionals, this book employs a heavily example-driven approach which reinforces learning by showing the results of putting the techniques discussed into practice.

This book contains the proceedings of two long-standing workshops: The 10th International Workshop on Business Process Modeling, Development and Support, BPMDS 2009, and the 14th International Conference on Exploring Modeling Methods for Systems Analysis and Design, EMMSAD 2009, held in connection with CAiSE 2009 in Amsterdam, The Netherlands, in June 2009. The 17 papers accepted for BPMDS 2009 were carefully reviewed and selected from 32 submissions. The topics addressed by the BPMDS workshop are business and goal-related drivers; model-driven process change; technological drivers and IT services; technological drivers and process mining; and compliance and awareness. Following an extensive review process, 16 papers out of 36 submissions were accepted for EMMSAD 2009. These papers cover the following topics: use of ontologies; UML and MDA; ORM and rule-oriented modeling; goal-oriented modeling; alignment and understandability; enterprise modeling; and patterns and anti-patterns in enterprise modeling.

Handbook on Architectures of Information Systems Springer Science & Business Media

"This book covers both theoretical approaches and practical solutions in the processes for aligning enterprise, systems, and software architectures"--Provided by publisher.

This book constitutes the refereed proceedings of the 6th International Conference on Business Process Management, BPM 2008, held in Milan, Italy, in September 2008. The volume contains 20 revised full research papers and 3 industrial papers carefully reviewed and selected from 154 submissions, as well as 8 prototype demonstration papers selected out of 15 demo submissions. In addition three invited keynote papers are presented. The conference has a record of attracting innovative research of the highest quality related to all aspects of BPM, including theory, frameworks, methods, techniques, architectures, standards, and empirical findings.

Define, model, implement, and monitor real-world BPEL 2.0 business processes with SOA-powered BPM for IBM WebSphere 7 with this book and eBook.

Build SOA-based flexible, economical, and efficient applications for IBM WebSphere Process Server 7 and Enterprise Service Bus 7 with this book and eBook.

This book offers a broad perspective on issues relating to the sourcing of systems and business processes in a national and global context, examining the client's and the vendor's involvement in sourcing relationships by putting the emphasis on the capabilities that each side should develop as a result of their interactions with each other.

Welcome to the European Conference on Software Architecture (ECSA), which is the premier European software engineering conference. ECSA provides researchers and practitioners with a platform to present and discuss the most recent, innovative, and significant findings and experiences in the field of software architecture research and practice. The fourth edition of ECSA was built upon a history of a successful series of European workshops on software architecture held from 2004 through 2006 and a series of European software architecture conferences from 2007 through

2009. The last ECSA was merged with the 8th Working IEEE/IFIP Conference on Software Architecture (WICSA). Apart from the traditional technical program consisting of keynote talks, a main - search track, and a poster session, the scope of the ECSA 2010 was broadened to incorporate other tracks such as an industry track, doctoral symposium track, and a tool demonstration track. In addition, we also offered several workshops and tutorials on diverse topics related to software architecture. We received more than 100 submissions in the three main categories: full research and experience papers, emerging research papers, and research challenges papers. The conference attracted papers (co-)authored by researchers, practitioners, and academics from 30 countries (Algeria, Australia, Austria, Belgium, Brazil, Canada, Chile, China, Colombia, Czech Republic, Denmark, Finland, France, Germany, Hong Kong, I- land, India, Ireland, Israel, Italy, The Netherlands, Poland, Portugal, Romania, Spain, Sweden, Switzerland, Tunisia, United Kingdom, United States).

Architecture for the Intelligent Enterprise: Powerful New Ways to Maximize the Real-time Value of Information
Tomorrow's winning "Intelligent Enterprises" will bring together far more diverse sources of data, analyze it in more powerful ways, and deliver immediate insight to decision-makers throughout the organization. Today, however, most companies fail to apply the information they already have, while struggling with the complexity and costs of their existing information environments. In this book, a team of IBM's leading information management experts guide you on a journey that will take you from where you are today toward becoming an "Intelligent Enterprise." Drawing on their extensive experience working with enterprise clients, the authors present a new, information-centric approach to architecture and powerful new models that will benefit any organization. Using these strategies and models, companies can systematically unlock the business value of information by delivering actionable, real-time information in context to enable better decision-making throughout the enterprise—from the "shop floor" to the "top floor." Coverage Includes Highlighting the importance of Dynamic Warehousing Defining your Enterprise Information Architecture from conceptual, logical, component, and operational views Using information architecture principles to integrate and rationalize your IT investments, from Cloud Computing to Information Service Lifecycle Management Applying enterprise Master Data Management (MDM) to bolster business functions, ranging from compliance and risk management to marketing and product management Implementing more effective business intelligence and business performance optimization, governance, and security systems and processes Understanding "Information as a Service" and "Info 2.0," the information delivery side of Web 2.0

An authoritative source about methods, languages, methodologies and supporting tools for constructing information systems that also provides examples for references models. Its strength is the careful selection of each of the above mentioned components, based on technical merit. The second edition completely revises all articles and features new material on the latest developments in XML & UML. The structure follows the definition of the major components of Enterprise Integration as defined by GERAM (Generalised Enterprise Reference Architecture and Methodology). 1st edition sold about 600 copies since January 2003.

This IBM® Redpaper™ provides a broad understanding of the components necessary to secure your IBM z Systems environment. It provides an end-to-end architectural reference document for a use case that employs both mobile and analytics. It also provides an end to end explanation of security on z Systems from the systems of record through the systems of engagement. Security is described in terms of transactions, covering what happens after a transaction hits the system of engagement and what needs to be in place from that moment forward. The audience for this paper is IT architects and those planning to use z Systems for their mobile and analytics environments.

The Expert, Practical Guide to Succeeding with SOA in the Enterprise In Executing SOA, four experienced SOA implementers share realistic, proven, "from-the-trenches" guidance for successfully delivering on even the largest and most complex SOA initiative. This book follows up where the authors' best-selling Service-Oriented Architecture Compass left off, showing how to overcome key obstacles to successful SOA implementation and identifying best practices for all facets of execution—technical, organizational, and human. Among the issues it addresses: introducing a services discipline that supports collaboration and information process sharing; integrating services with preexisting technology assets and strategies; choosing the right roles for new tools; shifting culture, governance, and architecture; and bringing greater agility to the entire organizational lifecycle, not just isolated projects. Executing SOA is an indispensable resource for every enterprise architect, technical manager, and IT leader tasked with driving value from SOA in complex environments. Coverage includes · Implementing SOA governance that reflects the organization's strategic and business focus · Running SOA projects successfully: practical guidelines and proven methodologies around service modeling and design · Leveraging reusable assets: making the most of your SOA repository · Enabling the architect to choose the correct tools and products containing the features required to execute on the SOA method for service design and implementation · Defining information services to get the right information to the right people at the right time · Integrating SOA with Web 2.0 and other innovative products and solutions · Providing highly usable human interfaces in SOA environments

Object-Oriented Behavioral Specifications encourages builders of complex information systems to accelerate their move to using the approach of a scientific discipline in analysis rather than the approach of a craft. The focus is on understanding customers' needs and on precise specification of understanding gained through analysis. Specifications must bridge any gaps in understanding about business rules among customers, Subject Matter Experts, and "computer people", must inform decisions about reuse of software and systems, and must enable review of semantics over time. Specifications need to describe semantics rather than syntax, and to do that in an abstract and precise manner, in order to create software systems that satisfy business rules. The papers in this book show various ways of designing elegant and clear specifications which are reusable, lead to savings of intellectual effort, time, and money, and which contribute to the reliability of software and systems. Object-Oriented Behavioral Specifications offers a fresh treatment of the object-

oriented paradigm by examining the limitations of traditional OO methodologies and by describing the significance of competing trends in OO modeling. The book builds on four years of successful OOPSLA workshops (1991-1995) on behavior semantics. This book deals with precise specifications of `what' is accomplished by the business and `what' is to be done by a system. The book includes descriptions of successful use of abstract and precise specification in industry. It draws on the experience of experts from industrial and academic settings and benefits from international participation. Collective behavior, neglected in some treatment of the OO paradigm, is addressed explicitly in this book. The book does not take `reuse' of specifications or software for granted, but furnishes a foundation for taking as rigorous an approach to reuse decisions as to precise specifications in original developments.

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