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IBM Business Process Manager V7.5 Production Topologies - Dawn Ahukanna 2011-10-28

This IBM® Redbooks® publication describes how to build production topologies for IBM Business Process Manager Advanced V7.5. It is aimed at IT Architects and IT Specialists who want to understand and implement these topologies. Use this book to select the appropriate production topologies for a given environment, then follow the step-by-step instructions included in this book to build these topologies. Part one introduces IBM Business Process Manager and provides an overview of basic topology components, and Process Server and Process Center. This part also provides an overview of the production topologies that we describe in this book, including a selection criteria for when to select a given topology. Part two provides a series of step-by-step instructions for creating production topology environments using deployment environment patterns. This includes topologies that incorporate IBM Business Monitor. This part also discusses advanced topology topics.

Business Process Execution Language for Web Services - Matjaz B. Juric 2006-01-09

This book is aimed at architects and developers in the design, implementation, and integration phases of advanced information systems and e-business solutions, developing business processes and dealing with the issues of composition, orchestration, transactions, coordination, and security. The book presumes knowledge of XML and web services, web services development (either on J2EE or .NET), and multi-tier architecture.

Open Source SOA - Jeff Davis 2009-04-30

You can build a world-class SOA infrastructure entirely using popular, and mature, open-source applications. Unfortunately, the technical documentation for most open-source projects focuses on a specific product, the big SOA picture. You're left to your own devices to figure out how to cobble together a full solution from the various bits. In other words, unless you already know how Mule and Tuscany work with jBPM, you're stuck. Open Source SOA shows readers how to build an entire SOA application using open-source technologies. It shows readers how to apply key ideas like Enterprise Service Bus (ESB) design and Business Process Management (BPM) and learn the tools and techniques to implement them effectively. To pull everything together, the author describes real-life case studies from his own work to tie together all the principles and practices. These hard-to-find case studies are pure gold for the reader, as most developers keep these trade secrets to themselves. 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.

Cloud Computing For Dummies - Judith S. Hurwitz 2020-07-15

Get your head—and your business—into the Cloud. Cloud computing is no longer just a clever new toy in the world of IT infrastructure. Despite the nebulous name, it's become a real and important part of our information architecture—and tech professionals who ignore it or try to skim their way through risk falling behind rapidly. The new edition of *Cloud Computing For Dummies* gets you up to speed fast, clarifying your Cloud options, showing you where you can save time and money, giving you ways to frame your decisions, and helping you avoid weeks of research. In a friendly, easy-to-follow style, *Cloud Computing For Dummies*, 2nd Edition demystifies the Cloud's virtual landscape, breaking up a complex and multi-layered topic into simple explanations that will make the various benefits clear and ultimately guide you toward making the most appropriate choices for your organization. Know the business case for the Cloud. Understand hybrid

and multi-cloud options. Develop your Cloud strategy. Get tips on best practices. The Cloud is everywhere, and it can deliver amazing benefits to our lives and businesses. Get a much clearer vision of exactly how with *Cloud Computing For Dummies*—and you'll begin to see that the sky really is the limit!

Applied SOA - Michael Rosen 2012-07-02

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.

WS-BPEL 2.0 for SOA Composite Applications with Oracle SOA Suite 11g - Matjaz B. Juric 2010-09-06

Define, model, implement, and monitor real-world BPEL business processes with SOA powered BPM for Oracle SOA Suite with this book and eBook.

IBM Business Process Manager V8.5 Performance Tuning and Best Practices - Mike Collins 2015-02-24

This IBM® Redbooks® publication provides performance tuning tips and best practices for IBM Business Process Manager (IBM BPM) V8.5.5 (all editions) and IBM Business Monitor V8.5.5. These products represent an integrated development and runtime environment based on a key set of service-oriented architecture (SOA) and business process management (BPM) technologies. Such technologies include Service Component Architecture (SCA), Service Data Object (SDO), Business Process Execution Language (BPEL) for web services, and Business Processing Modeling Notation (BPMN). Both IBM Business Process Manager and Business Monitor build on the core capabilities of the IBM WebSphere® Application Server infrastructure. As a result, Business Process Manager solutions benefit from tuning, configuration, and best practices information for WebSphere Application Server and the corresponding platform Java virtual machines (JVMs). This book targets a wide variety of groups, both within IBM (development, services, technical sales, and others) and customers. For customers who are either considering or are in the early stages of implementing a solution incorporating Business Process Manager and Business Monitor, this document proves a useful reference. The book is useful both in terms of best practices during application development and deployment and as a reference for setup, tuning, and configuration information. This book talks about many issues that can influence performance of each product and can serve as a guide for making rational first choices in terms of configuration and performance settings. Similarly, customers who already implemented a solution with these products can use the information presented here to gain insight into how their overall integrated solution performance can be improved.

IBM Software for SAP Solutions - Yaro Dunchych 2015-09-29

SAP is a market leader in enterprise business application software. SAP solutions provide a rich set of composable application modules, and configurable functional capabilities that are expected from a comprehensive enterprise business application software suite. In most cases, companies that adopt SAP software remain heterogeneous enterprises running both SAP and non-SAP systems to support their

business processes. Regardless of the specific scenario, in heterogeneous enterprises most SAP implementations must be integrated with a variety of non-SAP enterprise systems: Portals Messaging infrastructure Business process management (BPM) tools Enterprise Content Management (ECM) methods and tools Business analytics (BA) and business intelligence (BI) technologies Security Systems of record Systems of engagement The tooling included with SAP software addresses many needs for creating SAP-centric environments. However, the classic approach to implementing SAP functionality generally leaves the business with a rigid solution that is difficult and expensive to change and enhance. When SAP software is used in a large, heterogeneous enterprise environment, SAP clients face the dilemma of selecting the correct set of tools and platforms to implement SAP functionality, and to integrate the SAP solutions with non-SAP systems. This IBM® Redbooks® publication explains the value of integrating IBM software with SAP solutions. It describes how to enhance and extend pre-built capabilities in SAP software with best-in-class IBM enterprise software, enabling clients to maximize return on investment (ROI) in their SAP investment and achieve a balanced enterprise architecture approach. This book describes IBM Reference Architecture for SAP, a prescriptive blueprint for using IBM software in SAP solutions. The reference architecture is focused on defining the use of IBM software with SAP, and is not intended to address the internal aspects of SAP components. The chapters of this book provide a specific reference architecture for many of the architectural domains that are each important for a large enterprise to establish common strategy, efficiency, and balance. The majority of the most important architectural domain topics, such as integration, process optimization, master data management, mobile access, Enterprise Content Management, business intelligence, DevOps, security, systems monitoring, and so on, are covered in the book. However, there are several other architectural domains which are not included in the book. This is not to imply that these other architectural domains are not important or are less important, or that IBM does not offer a solution to address them. It is only reflective of time constraints, available resources, and the complexity of assembling a book on an extremely broad topic. Although more content could have been added, the authors feel confident that the scope of architectural material that has been included should provide organizations with a fantastic head start in defining their own enterprise reference architecture for many of the important architectural domains, and it is hoped that this book provides great value to those reading it. This IBM Redbooks publication is targeted to the following audiences: Client decision makers and solution architects leading enterprise transformation projects and wanting to gain further insight so that they can benefit from the integration of IBM software in large-scale SAP projects. IT architects and consultants integrating IBM technology with SAP solutions.

Revolutionizing Enterprise Interoperability through Scientific Foundations - Charalabidis, Yannis 2014-02-28

"This book offers information on the latest advancements and research for Enterprise Interoperability knowledge as well as core concepts, theories, and future directions"--

SOA Design Patterns - Thomas Erl 2008-12-31

In cooperation with experts and practitioners throughout the SOA community, best-selling author Thomas Erl brings together the de facto catalog of design patterns for SOA and service-orientation. More than three years in development and subjected to numerous industry reviews, the 85 patterns in this full-color book provide the most successful and proven design techniques to overcoming the most common and critical problems to achieving modern-day SOA. Through numerous examples, individually documented pattern profiles, and over 400 color illustrations, this book provides in-depth coverage of:

- Patterns for the design, implementation, and governance of service inventories—collections of services representing individual service portfolios that can be independently modeled, designed, and evolved.
- Patterns specific to service-level architecture which pertain to a wide range of design areas, including contract design, security, legacy encapsulation, reliability, scalability, and a variety of implementation and governance issues.
- Service composition patterns that address the many aspects associated with combining services into aggregate distributed solutions, including topics such as runtime messaging and message design, inter-service security controls, and transformation.
- Compound patterns (such as Enterprise Service Bus and Orchestration) and recommended pattern application sequences that establish foundational processes. The book begins by establishing SOA types that are referenced throughout the patterns and then form the basis

of a final chapter that discusses the architectural impact of service-oriented computing in general. These chapters bookend the pattern catalog to provide a clear link between SOA design patterns, the strategic goals of service-oriented computing, different SOA types, and the service-orientation design paradigm. This book series is further supported by a series of resources sites, including soabooks.com, soaspecs.com, soapatterns.org, soamag.com, and soaposters.com.

Business Process Driven SOA Using BPMN and BPEL - Kapil Pant 2008-08-28

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

Oracle Soa Suite 11G Administrator's Handbook - Ahmed Aboulnaga 2012-08-24

The book explains core concepts while providing real world implementation specifics, detailing the administration-related activities with Oracle SOA Suite 11g with a step-by-step approach using real-world examples. The authors demonstrate the use of WLST scripts that administrators can reuse and extend to perform most administration tasks such as deployments, tuning, migration, and installation. If you are an Oracle SOA Suite administrator, WebLogic Server administrator, Database administrator, or developer that needs to administer and secure your Oracle SOA Suite services and applications, then this book is for you. Basic knowledge of Oracle SOA Suite Administration is beneficial, but not necessary.

InfoWorld - 2005-07-25

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Oracle SOA Suite 11g Handbook - Lucas Jellema 2010-09-22

Master Oracle SOA Suite 11g Design and implement an agile service-oriented enterprise computing infrastructure using the detailed information in this Oracle Press guide. Written by an Oracle ACE director, Oracle SOA Suite 11g Handbook uses a hands-on case study to illustrate each programming, management, and governance concept. Get expert techniques for modeling and implementing complex business processes and deploying and securing Web services, while maximizing decoupling and code reuse. Install Oracle SOA Suite 11g or migrate from a previous version Design and develop composite applications using SCA and SDO Model processes using BPEL, BPMN, and human task components Connect components through mapping and filtering with Oracle Mediator Apply the principles of event-driven architecture through complex event processing, the event delivery network, and Oracle Business Activity Monitoring server Benefit from the power of Java through the Spring component and the interaction with Oracle Validate, enrich, transform, route, and operate on data using the Oracle Service Bus Deploy, test, and manage composite applications from the Oracle Enterprise Manager control console

Social and Political Implications of Data Mining: Knowledge Management in E-Government - Rahman, Hakikur 2009-02-28

"This book focuses on the data mining and knowledge management implications that lie within online government"--Provided by publisher.

PeopleSoft Developer's Guide for PeopleTools & PeopleCode - Judi Doolittle 2008-12-15

Oracle is placing its enterprise application strategy at the center of its future growth Oracle PeopleSoft will be phasing out its current reports product soon, and all reports will need to be rewritten in XML Publisher *Java SOA Cookbook* - Eben Hewitt 2009-03-17

Focuses on service-oriented architecture: web services, orchestrations, policies, and more - for developers. SOA Source Book - The Open Group 2009-04-04

Software services are established as a programming concept, but their impact on the overall architecture of enterprise IT and business operations is not well-understood. This has led to problems in deploying SOA, and some disillusionment. The SOA Source Book adds to this a collection of reference material for SOA. It is an invaluable resource for enterprise architects working with SOA. The SOA Source Book will help enterprise architects to use SOA effectively. It explains: What SOA is How to evaluate SOA features in business terms How to model SOA How to use The Open Group Architecture Framework (TOGAF™) for SOA SOA governance This book explains how TOGAF can help to make an Enterprise Architecture. Enterprise Architecture is an approach that can help management to understand this growing complexity. Enterprise SOA - Dirk Krafzig 2005

Learn to apply the significant promise of SOA to overcome the formidable challenges of distributed enterprise development.

OCM Java EE 6 Enterprise Architect Exam Guide (Exams 1Z0-807, 1Z0-865 & 1Z0-866) - Paul Allen 2014-08-15

A Complete Study System for OCM Exams 1Z0-807, 1Z0-865, and 1Z0-866 Prepare for the Oracle Certified Master Java EE 6 Enterprise Architect exams with this exclusive Oracle Press guide. The multiple-choice exam, the assignment, and the essay exam are covered. Chapters feature challenging exercises, a certification summary, a two-minute drill, and a self-test to reinforce the topics presented. This authoritative resource helps you pass these exams and also serves as an essential, on-the-job reference. Get complete coverage of all exam objectives, including: Application design concepts and principles Common architectures Integration and messaging Business-tier technologies Web-tier technologies Design patterns Security Electronic content includes: 120 multiple-choice practice exam questions Test engine that provides practice exams and customized quizzes by chapter

SOA Approach to Integration - Matjaz B. Juric 2007

After explaining the challenges, levels, and strategies of integration the book explains SOA, web services, and the Enterprise Services Bus before covering processing XML and web services on the .Net and JEE platforms in more detail. Then it covers BEPL and demonstrates service composition into business processes with a realistic, although simple example BPEL process. Finally it shows how ESB provides a concrete infrastructure for SOA. This book is for architects and senior developers who are responsible for setting up SOA for integration for applications within the enterprise (intra-enterprise integration) and applications across enterprises (inter-enterprise integration or B2B).

SOA-Based Enterprise Integration: A Step-by-Step Guide to Services-based Application - Waseem Roshen 2009-03-03

Foreword by Ray Harishankar, IBM Fellow "There are many books on the market on the topic of SOA and SOA's business and technology value. This book focuses on one of the key technical values of SOA and does an excellent job of describing SOA-based application integration by clarifying the relationship and patterns of SOA with other integration technologies in a distributed computing environment." Sandra Carter, IBM Vice President for SOA, BPM, and WebSphere Marketing "Services Oriented Architectures present many challenges today in the integration of existing systems and new systems, along with many times, old legacy mainframe applications. This book successfully addresses many of the complexities we see in the integration of SOA and mainframe legacy applications, presenting options and approaches to integrate the applications with the rest of the enterprise. The author takes a clearly defined pattern-based approach discussing the advantages, tools and methods. Readers will benefit from the insights in this book whether they play the architect role or a developer role on a SOA project." Sue Miller-Sylvia, IBM Fellow and Application Development Service Area Leader

Oracle Service Bus 11g Development Cookbook - Guido Schmutz 2012-01-24

This cookbook is full of immediately useable recipes showing you how to develop service and message-oriented (integration) applications on the Oracle Service Bus. In addition to its cookbook style, which ensures the solutions are presented in a clear step-by-step manner, the explanations go into great detail, which makes it good learning material for everyone who has experience in OSB and wants to improve. Most of the recipes are designed in such a way that each recipe is presented as a separate, standalone entity and reading of prior recipes is not required. The finished solution of each recipe is also made available electronically. If you are an intermediate SOA developer who is using Oracle Service Bus to develop service and message-orientated applications on the Oracle Service Bus, then this book is for you. This book assumes that you have a working knowledge of fundamental SOA concepts and Oracle Service Bus.

Application Integration - 2010-01-05

Application integration assembles methods and tools for organizing exchanges between applications, and intra- and inter-enterprise business processes. A strategic tool for enterprises, it introduces genuine reactivity into information systems facing business changes, and as a result, provides a significant edge in optimizing costs. This book analyzes various aspects of application integration, providing a guide to the alphabet soup behind EAI, A2A, B2B, BAM, BPM, ESB and SOA. It addresses the problems of choosing

between the application integration solutions and deploying them successfully. It supplies guidelines for avoiding common errors, exploring the differences between received wisdom and the facts on the ground. The overview of IT urbanization will help introduce English-speaking audiences to a powerful approach to information system flexibility developed in France. A key chapter approaches the analysis and interoperation of service levels in integration projects, while the discussion on deployment methodologies and ROI calculation anchors the theory in the real world. Application Integration: EAI, B2B, BPM and SOA relies on concrete examples and genuine experiences to demonstrate what works - and what doesn't - in this challenging, topical and important IT domain.

Patterns: Integrating WebSphere ILOG JRules with IBM Software - Chris Rayns 2011-02-24

This IBM® Redbooks® publication describes how the IBM WebSphere® ILOG JRules product can be used in association with other IBM middleware products to deliver better solutions. This book can help architects position a business rule management system (BRMS) in their existing infrastructures to deliver the value propositions that the business needs. This book can also help developers design and integrate JRules with those middleware products (focussing on WebSphere Process Server, WebSphere Message Broker and IBM CICS®) and help to illustrate common integration patterns and practices for these products.

Cracking the IT Architect Interview - Sameer Paradkar 2016-11-30

The ultimate guide to successful interviews for Enterprise, Business, Domain, Solution, and Technical Architect roles as well as IT Advisory Consultant and Software Designer roles About This Book Learn about Enterprise Architects IT strategy and NFR - this book provides you with methodologies, best practices, and frameworks to ace your interview A holistic view of key architectural skills and competencies with 500+ questions that cover 12 domains 100+ diagrams depicting scenarios, models, and methodologies designed to help you prepare for your interview Who This Book Is For This book is for aspiring enterprise, business, domain, solution, and technical architects. It is also ideal for IT advisory consultants and IT designers who wish to interview for such a role. Interviewers will be able leverage this book to make sure they hire candidates with the right competencies to meet the role requirements. What You Will Learn Learn about IT strategies, NFR, methodologies, best practices, and frameworks to ace your interview Get a holistic view of key concepts, design principles, and patterns related to evangelizing web and Java enterprise applications Discover interview preparation guidelines through case studies Use this as a reference guide for adopting best practices, standards, and design guidelines Get a better understanding with 60+ diagrams depicting various scenarios, models, and methodologies Benefit from coverage of all architecture domains including EA (Business, Data, Infrastructure, and Application), SA, integration, NFRs, security, and SOA, with extended coverage from IT strategies to the NFR domain In Detail An architect attends multiple interviews for jobs or projects during the course of his or her career. This book is an interview resource created for designers, consultants, technical, solution, domain, enterprise, and chief architects to help them perform well in interview discussions and launch a successful career. The book begins by providing descriptions of architecture skills and competencies that cover the 12 key domains, including 350+ questions relating to these domains. The goal of this book is to cover all the core architectural domains. From an architect's perspective, it is impossible to revise or learn about all these key areas without a good reference guide - this book is the solution. It shares experiences, learning, insights, and proven methodologies that will benefit practitioners, SMEs, and aspirants in the long run. This book will help you tackle the NFR domain, which is a key aspect pertaining to architecting applications. It typically takes years to understand the core concepts, fundamentals, patterns, and principles related to architecture and designs. This book is a goldmine for the typical questions asked during an interview and will help prepare you for success! Style and approach This book will help you prepare for interviews for architectural profiles by providing likely questions, explanations, and expected answers. It is an insight-rich guide that will help you develop strategic, tactical, and operational thinking for your interview.

Accelerating Modernization with Agile Integration - Adeline SE Chun 2020-07-01

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.

The GEO Handbook on Biodiversity Observation Networks - Michele Walters 2016-11-25

Biodiversity observation systems are almost everywhere inadequate to meet local, national and international (treaty) obligations. As a result of alarmingly rapid declines in biodiversity in the modern era, there is a strong, worldwide desire to upgrade our monitoring systems, but little clarity on what is actually needed and how it can be assembled from the elements which are already present. This book intends to provide practical guidance to broadly-defined biodiversity observation networks at all scales, but predominantly the national scale and higher. This is a practical how-to book with substantial policy relevance. It will mostly be used by technical specialists with a responsibility for biodiversity monitoring to establish and refine their systems. It is written at a technical level, but one that is not discipline-bound: it should be intelligible to anyone in the broad field with a tertiary education.

Business Process Management Design Guide: Using IBM Business Process Manager - Dr. Ali Arsanjani 2015-04-27

IBM® Business Process Manager (IBM BPM) is a comprehensive business process management (BPM) suite that provides visibility and management of your business processes. IBM BPM supports the whole BPM lifecycle approach: Discover and document Plan Implement Deploy Manage Optimize Process owners and business owners can use this solution to engage directly in the improvement of their business processes. IBM BPM excels in integrating role-based process design, and provides a social BPM experience. It enables asset sharing and creating versions through its Process Center. The Process Center acts as a unified repository, making it possible to manage changes to the business processes with confidence. IBM BPM supports a wide range of standards for process modeling and exchange. Built-in analytics and search capabilities help to further improve and optimize the business processes. This IBM Redbooks® publication provides valuable information for project teams and business people that are involved in projects using IBM BPM. It describes the important design decisions that you face as a team. These decisions invariably have an effect on the success of your project. These decisions range from the more business-centric decisions, such as which should be your first process, to the more technical decisions, such as solution analysis and architectural considerations.

Migrating Legacy Applications: Challenges in Service Oriented Architecture and Cloud Computing Environments - Ionita, Anca Daniela 2012-11-30

"This book presents a closer look at the partnership between service oriented architecture and cloud computing environments while analyzing potential solutions to challenges related to the migration of legacy applications"--Provided by publisher.

Scaling BPM Adoption: From Project to Program with IBM Business Process Manager - Lisa Dyer 2012-10-04

Your first Business Process Management (BPM) project is a crucial first step on your BPM journey. It is important to begin this journey with a philosophy of change that allows you to avoid common pitfalls that lead to failed BPM projects, and ultimately, poor BPM adoption. This IBM® Redbooks® publication describes the methodology and best practices that lead to a successful project and how to use that success to scale to enterprise-wide BPM adoption. This updated edition contains a new chapter on planning a BPM project. The intended audience for this book includes all people who participate in the discovery, planning, delivery, deployment, and continuous improvement activities for a business process. These roles include

process owners, process participants, subject matter experts (SMEs) from the operational business, and technologists responsible for delivery, including BPM analysts, BPM solution architects, BPM administrators, and BPM developers.

Enterprise API Management - Luis Weir 2019-07-23

A strategy and implementation guide for building, deploying, and managing APIs Key Features Comprehensive, end-to-end guide to business-driven enterprise APIs Distills years of experience with API and microservice strategies Provides detailed guidance on implementing API-led architectures in any business Book Description APIs are the cornerstone of modern, agile enterprise systems. They enable access to enterprise services from a wide variety of devices, act as a platform for innovation, and open completely new revenue streams. Enterprise API Management shows how to define the right architecture, implement the right patterns, and define the right organization model for business-driven APIs. Drawing on his experience of developing API and microservice strategies for some of the world's largest companies, Luis Weir explains how APIs deliver value across an enterprise. The book explores the architectural decisions, implementation patterns, and management practices for successful enterprise APIs, as well as providing clear, actionable advice on choosing and executing the right API strategy in your enterprise. With a relentless focus on creating business value, Luis Weir reveals an effective method for planning, building, and running business products and services with APIs. What you will learn Create API strategies to deliver business value Monetize APIs, promoting them through public marketplaces and directories Develop API-led architectures, applying best practice architecture patterns Choose between REST, GraphQL, and gRPC-style API architectures Manage APIs and microservices through the complete life cycle Deploy APIs and business products, as well as Target Operating Models Lead product-based organizations to embrace DevOps and focus on delivering business capabilities Who this book is for Architects, developers, and technology executives who want to deliver successful API strategies that bring business value.

Patterns for E-business - Jonathan Adams 2001

Get an inside look at how successful businesses build their e-business architectures. In this book, four IBM e-business experts capture years of experience into easy-to-follow guidelines. Deliberately focusing on Business patterns, Integration patterns, and Application patterns, the authors share with you proven architectural patterns that can help get you up and running quickly, while at the same time reducing your risks. Because today's economy demands that e-business initiatives emphasize profitability and return on investment, the authors also offer guidance on methods to minimize cost, yet ensure quality. Many e-business applications and initiatives fail because of the lack of a comprehensive look at e-business architectures. For example, the recent crashes of many e-business applications costing millions of dollars could have been avoided if all aspects of operational issues had been addressed properly. This book offers a blueprint for avoiding such mistakes and for achieving success in the new digital economy. It also includes case studies, examples, references, and pointers to other materials at the IBM Web site www.ibm.com/framework/patterns.

WebSphere Business Process Management and WebSphere Enterprise Service Bus V7 Performance Tuning - IBM Business Process Management Performance teams 2010-04-30

This IBM® Redpaper™ publication was produced by the WebSphere® Business Process Management performance teams. It provides performance tuning tips and best practices for WebSphere Process Server 7.0.0.1, WebSphere Enterprise Service Bus 7.0.0.1, WebSphere Integration Developer 7.0.0.1, WebSphere Business Monitor 7.0.0.0, and WebSphere Business Modeler 7.0.0.1. These products represent an integrated development and runtime environment based on a key set of service-oriented architecture (SOA) and business process management (BPM) technologies: Service Component Architecture (SCA), Service Data Object (SDO), and Business Process Execution Language for Web Services (BPEL). This paper is aimed at a wide variety of groups, both within IBM (development, services, technical sales, and so forth) and by customers. For those who are either considering or are in the early stages of implementing a solution incorporating these products, this document should prove a useful reference, both in terms of best practices during application development and deployment, and as a reference for setup, tuning, and configuration information. This paper provides a useful introduction to many of the issues influencing each product's performance, and can serve as a guide for making rational first choices in terms of configuration

and performance settings. Similarly, those who have already implemented a solution using these products might use the information presented here to gain insight as to how their overall integrated solution performance might be improved. All of these products build on the core capabilities of the WebSphere Application Server infrastructure, so BPM solutions also benefit from tuning, configuration, and best practices information for WebSphere Application Server and the corresponding platform Java™ Virtual Machines (JVMs). Pointers to this information can be found in "Related publications" on page 67. The reader is encouraged to use this paper in conjunction with these references..

SOA with Java - Thomas Erl 2014

Java has evolved into an exceptional platform for building Web-based enterprise services. This book guides you in mastering the principles, best practices, and Java technologies you need to design and deliver high-value services and service-oriented solutions. You'll learn how to implement SOA with lightweight frameworks, mainstream Java services technologies, and contemporary specifications and standards. To demonstrate real-world examples, the authors present multiple case study scenarios. They further demystify complex concepts with a plain-English writing style. This book will be valuable to all developers, analysts, architects, and other IT professionals who want to design and implement Web-based service-oriented architectures and enterprise solutions with Java technologies.

Soa Made Simple - Lonneke Dikmans 2012-01-01

"SOA Made Simple" is a concise and indispensable handbook for finally understanding exactly what Service Oriented Architecture is. Split into three clear sections, in this book you'll learn from both theory as well as step-by-step implementation examples to aid in your understanding of this often poorly-articulated industry term. If you are an architect who wants to be completely clear in your understanding of what SOA is, then this book is essential. In fact, anyone (designer, developer, administrator or team lead) who is implementing or about to implement an architecture in an IT environment should not miss out on "SOA Made Simple." Some previous experience with general software architecture is required, but this guide will tell you everything you need to know about SOA in a clear and easy fashion.

Understanding SOA Security Design and Implementation - Axel Buecker 2008-05-29

Securing access to information is important to any business. Security becomes even more critical for implementations structured according to Service-Oriented Architecture (SOA) principles, due to loose coupling of services and applications, and their possible operations across trust boundaries. To enable a business so that its processes and applications are flexible, you must start by expecting changes - both to process and application logic, as well as to the policies associated with them. Merely securing the perimeter is not sufficient for a flexible on demand business. In this IBM Redbooks publication, security is factored into the SOA life cycle reflecting the fact that security is a business requirement, and not just a technology attribute. We discuss an SOA security model that captures the essence of security services and securing services. These approaches to SOA security are discussed in the context of some scenarios, and observed patterns. We also discuss a reference model to address the requirements, patterns of deployment, and usage, and an approach to an integrated security management for SOA. This book is a valuable resource to senior security officers, architects, and security administrators.

Health Information Systems: Concepts, Methodologies, Tools, and Applications - Rodrigues, Joel J.P.C. 2009-12-31

"This reference set provides a complete understanding of the development of applications and concepts in clinical, patient, and hospital information systems"--Provided by publisher.

Effective and Efficient Process Engine Evaluation - Simon Harrer 2017-10-17

Service Management For Dummies - Judith S. Hurwitz 2009-05-11

A plain-English guide to managing IT from the customer's perspective Practical guidance on delivering and managing IT so that it meets the multiple needs and demands of a company and its customers and end-users-both inside and outside the organization-is hard to come by; this accessible book takes a common-sense approach that explains exactly what IT services are and how to fit them most effectively into a business Topics include setting a framework, keeping costs down, improving efficiency, and maintaining standards and best practices This concept of how IT should be wired specifically into the goals and need of the company and its customers is part of a broader picture that includes ITIL, BPM, SOA, and Six Sigma