

Application Architecture For Websphere A Practical Approach To Building Websphere Applications

Joey Bernal

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Application Architecture for WebSphere - Joey Bernal 2008-09-15

Architect IBM® WebSphere® Applications for Maximum Performance, Security, Flexibility, Usability, and Value Successful, high-value WebSphere applications begin with effective architecture. Now, one of IBM's leading WebSphere and WebSphere Portal architects offers a hands-on, best-practice guide to every facet of defining, planning, and implementing WebSphere application architectures. Joey Bernal shows working architects and teams how to define layered architectural standards that can be used across the entire organization, improving application quality without compromising flexibility. Bernal begins by illuminating the role of architecture and the responsibilities of the architect in WebSphere applications and SOA environments. Next, he introduces specific architectural techniques for addressing persistence, application performance, security, functionality, user interaction, and much more. Bernal presents a series of sample architectures drawn from his work with several leading organizations, demonstrating how architectures can evolve to support new layers and changing business requirements. Throughout, his techniques are specific enough to address realistic enterprise

challenges, while still sufficiently high-level to be useful in diverse and heterogeneous environments. Coverage includes • Choosing persistence frameworks that serve business requirements without excessive complexity • Avoiding persistence-related problems with performance, security, or application functionality • Designing and deploying effective middle layers and dependent libraries within WebSphere Application Server • Using WebSphere mechanisms and architectural techniques to avoid common security attacks such as SQL injection • Improving performance with WebSphere Application Server caching, including Distributed Maps and Servlet/JSP fragment caching • Using presentation frameworks to provide fast, robust, and attractive user interaction • Incorporating portals that provide a standardized framework for merging multiple applications Joey Bernal is an Executive IT Specialist with IBM Software Services for Lotus. Senior Certified with IBM as an IT Specialist, he has an extensive background in designing and developing Web and Portal Applications. He often leads IBM teams that have assisted dozens of clients in leveraging WebSphere Portal to address architecture, design, and implementation challenges. A frequent speaker on WebSphere and portal

topics, Bernal is coauthor of Programming Portlets, and hosts the developerWorks blog: WebSphere Portal in Action. Prior to joining IBM, he was Director of IT for an incentive and performance improvement company, and served as lead technical advisor and architect for high-profile Internet and intranet applications at several Fortune 500 companies. You can also visit the author's Web site at www.bernal.net. 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.

WebSphere Engineering - Ying Ding 2008-12-18

The Practical, End-to-End Guide to WebSphere® Infrastructure Engineering and Technical Management Companies depend on the IBM® WebSphere platform to deliver mission-critical Web applications and services and to provide the foundation for Service Oriented Architecture (SOA). To gain maximum value from WebSphere technologies, organizations must implement comprehensive, integrated best practices for managing their WebSphere infrastructures. In this book, one of the most experienced enterprise WebSphere support managers introduces those best practices and explains exactly how to make the most of them. Drawing on his tremendous real-world expertise, Ying Ding shows how to maximize the WebSphere platform's reliability, stability, scalability, and performance for large enterprise systems. You'll find insightful discussions of each option and strategy for managing WebSphere, including practical guidance on making the right tradeoffs for your environment. Whether you're a WebSphere administrator, developer, consultant, support manager, engineer, or architect, this book brings together the information you need to run your WebSphere infrastructure with maximum effectiveness and efficiency. Coverage includes Planning, hiring, training, funding, and building a world-class WebSphere engineering support organization Implementing tight standards and consistent, comprehensive processes for managing the entire WebSphere engineering life cycle Creating optimal testing environments,

administering parallel testing pipelines, and managing testing workloads Empowering production support teams with knowledge, system privileges, and the right tools Managing production emergencies and critical situations: evaluating problem severity, mitigating customer experience, restoring service, performing post-problem resolution, and much more Maximizing the stability of large-scale interconnected WebSphere systems for composite applications Supporting WebSphere platforms that provide end-to-end SOA infrastructure

Computerworld - 1982-10-25

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

IBM Networking for the 90's - Mark Seery 1993

Today, IBM faces the challenge of updating its proprietary networking solutions and building bridges to the growing open systems market. Seery explains both current and emerging IBM and industry standard LAN, WAN, and MAN protocols, describes how they are implemented, and places them in the context of IBM's major computing strategies.

Rexx Programmer's Reference - Howard Fosdick 2005-02-18

Originally developed for mainframes but highly portable across platforms-from servers to desktops to handhelds-Rexx is an easy yet powerful scripting language that's widely used for rapid application development. Covers Rexx interpreters for specialized functions-object-oriented, mainframe, and handheld. There are 8 different free Rexx interpreters optimized for different platforms and uses. This book shows how to use them all. Shows how to script for GUIs, databases, web servers, XML, and other interfaces. Details how to make the best use of Rexx tools and interfaces, with examples for both Linux and Windows. Includes a tutorial with lots of examples to help people get up and running.

Application Development for IBM WebSphere

Process Server 7 and Enterprise Service Bus 7 -
Salil Ahuja 2010-07-09

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

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.

Managed Evolution - Stephan Murer
2010-10-29

Many organizations critically depend on very large information systems. In the authors' experience these organizations often struggle to find the right strategy to sustainably develop their systems. Based on their own experience at a major bank, over more than a decade, the authors have developed a successful strategy to deal with these challenges, including: - A thorough analysis of the challenges associated with very large information systems - An assessment of possible strategies for the development of these systems, resulting in managed evolution as the preferred strategy - Describing key system aspects for the success of

managed evolution, such as architecture management, integration architecture and infrastructure - Developing the necessary organizational, cultural, governance and controlling mechanisms for successful execution

Digital Transformation and Modernization with IBM API Connect - Bryon Kataoka

2022-01-14

Successfully execute a strategic roadmap of digital transformation and modernize your enterprise with a proven API-led agile implementation approach by unlocking the full range of features in IBM API Connect Version 10

Key Features* Explore techniques to design and deliver valuable customer-centric APIs using API Connect* Manage your APIs with improved security and optimal performance across many channels* Uncover hidden capabilities that help improve business agility and management within your API ecosystem

Book Description IBM API Connect enables organizations to drive digital innovation using its scalable and robust API management capabilities across multi-cloud and hybrid environments. With API Connect's security, flexibility, and high performance, you'll be able to meet the needs of your enterprise and clients by extending your API footprint. This book provides a complete roadmap to create, manage, govern, and publish your APIs. You'll start by learning about API Connect components, such as API managers, developer portals, gateways, and analytics subsystems, as well as the management capabilities provided by CLI commands. You'll then develop APIs using OpenAPI and discover how you can enhance them with logic policies. The book shows you how to modernize SOAP and FHIR REST services as secure APIs with authentication, OAuth2/OpenID, and JWT, and demonstrates how API Connect provides safeguards for GraphQL APIs as well as published APIs that are easy to discover and well documented. As you advance, the book guides you in generating unit tests that supplement DevOps pipelines using Git and Jenkins for improved agility, and concludes with best practices for implementing API governance and customizing API Connect components. By the end of this book, you'll have learned how to transform your business by speeding up the time-to-market of your products and increase the ROI for your enterprise. What

you will learn*

- Use API Connect to create, manage, and publish customer-centric, API-led solutions
- Run CLI commands to manage API configuration and deployments
- Create REST, SOAP, and GraphQL APIs securely using OpenAPI
- Support OAuth and JWT security methods using policies
- Create custom policies to supplement security
- Apply built-in policies to transform payloads
- Use CLIs and unit testing hooks within DevOps pipelines
- Find out how to customize Analytics dashboards and Portal User Interface

Who this book is for This book is for developers and architects who want to achieve digital transformation using IBM API Connect and successfully execute the strategic roadmap of enterprise modernization while effectively managing their API ecosystem. A solid understanding of what RESTful services and APIs can do and where to implement API security is necessary to get started. Experience in application development and basic knowledge of microservices, container orchestration, and cloud environments will help you to get the most out of this book.

Web Services Research for Emerging Applications: Discoveries and Trends - Zhang, Liang-Jie 2010-02-28

"This book provides a comprehensive assessment of the latest developments in Web services research, focusing on composing and coordinating Web services, XML security, and service oriented architecture, and presenting new and emerging research in the Web services discipline"--Provided by publisher.

The British National Bibliography - Arthur James Wells 2009

Practical Software Architecture - Tilak Mitra 2015-11-18

Getting Architecture Just Right: Detailed Practical Guidance for Architecting Any Real-World IT Project To build effective architectures, software architects must tread a fine line between precision and ambiguity (a.k.a. big animal pictures). This is difficult but crucial: Failure to achieve this balance often leads directly to poor systems design and implementation. Now, pioneering IBM Distinguished Engineer and Chief Technology Officer Tilak Mitra offers the first complete guide to developing end-to-end solution

architectures that are “just enough”--identifying and capturing the most important artifacts, without over-engineering or excessive documentation, and providing a practical approach to consistent and repeated success in defining software architectures. Practical Software Architecture provides detailed prescriptive and pragmatic guidance for architecting any real-world IT project, regardless of system, methodology, or environment. Mitra specifically identifies the artifacts that require emphasis and shows how to communicate evolving solutions with stakeholders, bridging the gap between architecture and implementation.

SAA - Jerrold M. Grochow 1991

SAA is IBM's blueprint for future software development in any organization using or interfacing with IBM computers. It represents IBM's attempt to bring order to the chaotic world of computer software and software development. Grochow's text provides both technical and managerial perspectives on what it means to implement SAA. Annotation

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Maximizing Performance and Scalability with IBM WebSphere - Adam Neat 2008-01-01

* Describes the IBM WebSphere versions 4.0 and 5.0 architecture from a nuts and bolts level, giving visibility to the technology and underlying WebSphere platform design * Describes how to proactively manage the performance of an IBM WebSphere v4 or v5 platform * Thorough descriptions of tuning WebSphere with performance and robustness in mind * Teaches the reader how to develop custom IBM WebSphere performance monitoring and management tools

A Practical Approach to Cloud IaaS with IBM SoftLayer: Presentations Guide - Daniel Aguado 2016-02-17

This IBM® Redbooks® publication is based on the Presentations Guide of the course A Practical Approach to Cloud IaaS with IBM SoftLayer, which was developed by the IBM Redbooks team in partnership with IBM Middle East and Africa University Program. This course is designed to teach university students how to build a simple infrastructure as a service (IaaS) cloud environment based on IBM SoftLayer®. It provides students with the fundamental skills to

design, implement, and manage an IaaS cloud environment using the IBM SoftLayer platform as an example. The primary target audience for this course is university students in undergraduate computer science and computer engineer programs with no previous experience working in cloud environments. However, anyone new to cloud computing can benefit from this course. The workshop materials were created in July 2015. Thus, all IBM SoftLayer features discussed in this Presentations Guide are current as of July 2015.

IBM WebSphere Application Server 8.0

Administration Guide - Steve Robinson

2011-10-03

IBM WebSphere Application Server 8.0 Administration Guide is a highly practical, example-driven tutorial. You will be introduced to WebSphere Application Server 8.0, and guided through configuration, deployment, and tuning for optimum performance. If you are an administrator who wants to get up and running with IBM WebSphere Application Server 8.0, then this book is not to be missed. Experience with WebSphere and Java would be an advantage, but is not essential.

Virtual and Mobile Healthcare: Breakthroughs in Research and Practice - Management

Association, Information Resources 2019-09-06

One of the primary topics at the center of discussion, and very often debate, between industry professionals, government officials, and the general public is the current healthcare system and the potential for an overhaul of its processes and services. Many organizations concerned for the long-term care of patients wish to see new strategies, practices, and organizational tools developed to optimize healthcare systems all over the world. One of the central engines of the current shift toward reorientation of healthcare services is virtual and mobile healthcare. Virtual and Mobile Healthcare: Breakthroughs in Research and Practice explores the trends, challenges, and issues related to the emergence of mobile and virtual healthcare. The book also examines how mobile technologies can best be used for the benefit of both doctors and their patients. Highlighting a range of topics such as smart healthcare, electronic health records, and m-health, this publication is an ideal reference

source for medical professionals, healthcare administrators, doctors, nurses, practitioners, and researchers in all areas of the medical field.

WebSphere Application Server

Administration Using Jython - Robert A. Gibson 2010

Save Time and Money: Streamline WebSphere Application Server Management with Jython Scripting! Utilizing Jython scripting, you can dramatically reduce the effort, resources, and expense associated with managing WebSphere Application Server. WebSphere Application Server Administration Using Jython will show you how. The first start-to-finish guide to Jython scripting for WebSphere administration, this book's practical techniques and downloadable scripts can help you improve efficiency, repeatability, and automation in any WebSphere environment. This book's expert authors begin with practical introductions to both WebSphere Application Server administration and Jython, today's powerful, Java implementation of Python. Next, they cover a broad spectrum of WebSphere management tasks and techniques, presenting real, easy-to-adapt solutions for everything from server configuration and security to database management. These are powerful solutions you can begin using immediately—whether you're running WebSphere in production, development, or test environments. Coverage includes Mastering the Jython rules, characteristics, and properties that are most valuable in WebSphere scripting Viewing and manipulating WebSphere configuration and run-time details Making the most of the wsadmin scripting engine and objects—including rarely-used wsadmin parameters that can simplify administration Adjusting wsadmin properties to reflect your needs and environment Using the AdminApp scripting object to list, view, install, uninstall, and modify AppServer applications Using the AdminTask object to manipulate WebSphere Application Server at a high level Configuring the WebSphere Application Server with AdminConfig Manipulating active AppServer objects (MBeans) with AdminControl Controlling security, including aliases, roles, administrative and application security, and multiple security domains

Healthcare Policy and Reform: Concepts,

Methodologies, Tools, and Applications -

Management Association, Information Resources 2018-08-03

Industry professionals, government officials, and the general public often agree that the modern healthcare system is in need of an overhaul. With many organizations concerned with the long-term care of patients, new strategies, practices, and organizational tools must be developed to optimize the current healthcare system. Healthcare Policy and Reform: Concepts, Methodologies, Tools, and Applications is a comprehensive source of academic material on the importance of policy and policy reform initiatives in modern healthcare systems. Highlighting a range of topics such as public health, effective care delivery, and health information systems, this multi-volume book is designed for medical practitioners, medical administrators, professionals, academicians, and researchers interested in all aspects of healthcare policy and reform.

Practical Guide to Structured System

Development and Maintenance - Roger Fournier 1991

B2B Integration - Gunjan Samtani 2002-11-25

This comprehensive guide reveals the key elements of successful B2B integration and collaborative e-commerce, by highlighting business needs, technologies, and development strategies. It equips companies with practical guidelines for quickly implementing an effective B2Bi strategy, and prepares them for the next wave of B2B integration and collaborative e-commerce. It clarifies the intricate dependencies among all the components of B2Bi, including integration patterns, enterprise application integration (EAI), business process management (BPM), Internet security, XML, Web services, middleware technologies, and integration brokers. Included are future technologies that will have a significant impact on B2Bi architectures, such as intelligent software agents, wireless technologies, and peer-to-peer computing. This reference provides a suitable framework for the design, development, and implementation of B2B integration, along with several case studies. Editors: Dr Marcus Healey — Strategy Consultant for InfoFirst Inc., USA Dr

Shyam Samtani (Language Editor) — Professor of English, P G Department of English, Indore Christian College, India Contributors: Kenneth Tamburello — Senior Consultant Specialist at Bluesphere (an EDS company), USA Deepak Bajaj — Course Coordinator of Project Management, University of Technology Sydney (UTS), Australia Dimple Sadhwani — Senior Software Engineer, Island ECN, USA Pawan Samtani — Country Operations Manager, Oracle Corporation, India Contents: The Big Picture: Introduction Components, Benefits, Challenges and Applications of B2B Integration Established Integration Components: Integration Patterns Enterprise Application Integration (EAI) Business Process Management (BPM) Extensible Markup Language (XML) XML Standards for E-Business Middleware Technologies Integration Brokers Internet Security Evolving Integration Components: Web Services Wireless Technologies Software Agents B2Bi-Enabled Applications: Supply Chain Management (SCM) E-Marketplaces and Collaborative Networks Conclusion: B2B to P2P Evolution Readership: MBA students, business executives, IT managers and programmers, and CIOs.

Modern Web Development with IBM

WebSphere - Kyle Brown 2014-05-27

Build Tomorrow's Best Mobile/Web Applications with IBM WebSphere Application Server 8.5 and IBM Worklight This guide presents a coherent strategy for building modern mobile/web applications that are fast, responsive, interactive, reusable, maintainable, extensible, and a pleasure to use. Four IBM experts offer practical, hands-on coverage of front-end development with IBM WebSphere Application Server 8.5, IBM Worklight, and today's most popular open source frameworks. Using well-crafted examples, the authors introduce best practices for MobileFirst development, helping you create apps that work superbly on mobile devices and add features on conventional browsers. Throughout, you'll learn better ways to deliver Web 2.0 apps with HTML /JavaScript front ends, RESTful Web Services, and persistent data. Proven by IBM and its customers, the approach covered in this book leads to more successful mobile/web applications—and more effective development

teams. Coverage Includes • Developing for MobileFirst: moving from “graceful degradation” to “progressive enhancement” • Quickly delivering lightweight JEE apps with WebSphere Application Server's new Liberty Profile • Implementing an agile, user-centered, page-oriented approach to design • Constructing REST services with WebSphere Liberty, Eclipse, and JEE annotations • Building better front-end application architectures with frameworks and JavaScript • Designing and building complex, transactional RESTful services that interface with databases and other data sources • Building IBM Worklight hybrid apps with open source frameworks: jQuery Mobile, Backbone, Require.js, and Handlebars • Debugging cross-platform, multi-language modern web apps • Promoting scalability, security, and connectivity into the wider enterprise The IBM Press developerWorks Series pairs books with complementary resources on the developerWorks website at <https://www.ibm.com/developerworks/dwbooks/> *A Practical Guide to Trusted Computing* - David Challenger 2008

Designed to provide developers with a practical understanding of how to use the Trusted Platform Module (TPM). Through multiple examples, it provides the reader with an understanding of what problems the TPM can be used to solve, and the motivation behind the design decisions made in the specifications.

A Practical Guide to SysML - Sanford Friedenthal 2014-10-23

A Practical Guide to SysML, Third Edition, fully updated for SysML version 1.4, provides a comprehensive and practical guide for modeling systems with SysML. With their unique perspective as leading contributors to the language, Friedenthal, Moore, and Steiner provide a full description of the language along with a quick reference guide and practical examples to help you use SysML. The book begins with guidance on the most commonly used features to help you get started quickly. Part 1 explains the benefits of a model-based approach, providing an overview of the language and how to apply SysML to model systems. Part 2 includes a comprehensive description of SysML that provides a detailed understanding that can serve as a foundation for modeling with

SysML, and as a reference for practitioners. Part 3 includes methods for applying model-based systems engineering using SysML to specify and design systems, and how these methods can help manage complexity. Part 4 deals with topics related to transitioning MBSE practice into your organization, including integration of the system model with other engineering models, and strategies for adoption of MBSE. Learn how and why to deploy MBSE in your organization with an introduction to systems and model-based systems engineering Use SysML to describe systems with this general overview and a detailed description of the Systems Modeling Language Review practical examples of MBSE methodologies to understand their application to specifying and designing a system Includes comprehensive modeling notation tables as an appendix that can be used as a standalone reference

An Architectural and Practical Guide to IBM Hybrid Integration Platform - Carsten Börner
2017-01-12

In order to remain competitive in today's world, companies need to be able to integrate internally and externally by connecting sensors, customers and partners with the information in their systems of record. In short, they need to integrate with everything. This IBM® Redbooks® publication describes how IBM Application Integration Suite and IBM Messaging portfolio can be used to satisfy the needs of core hybrid integration use cases, accelerating companies in their digital transformation journey. All concepts are explained within the context of these use cases: Joining the API economy Improving productivity Refactoring for innovation The target audience for this book is cloud and integration architects and specialists who are implementing hybrid integration solutions.

Web 2.0 and Social Networking for the Enterprise - Joey Bernal
2009-10-15

The Hands-On Guide to Thriving with Web 2.0 and Social Networking Deepen employee and coworker relationships, improve productivity, strengthen collaboration, and boost creativity Embrace, support, and manage social networking so it works for you, not against you Best practices and new case studies from IBM® and many of its most innovative portal and social

networking sites This book provides hands-on, start-to-finish guidance for business and IT decision-makers who want to drive value from Web 2.0 and social networking technologies. IBM expert Joey Bernal systematically identifies business functions and innovations these technologies can enhance and presents best-practice patterns for using them in both internal- and external-facing applications. Drawing on the immense experience of IBM and its customers, Bernal addresses both the business and technical issues enterprises must manage to succeed. He offers insights and case studies covering multiple technologies, including AJAX, REST, Atom/RSS, enterprise taxonomies, tagging, folksonomies, portals, mashups, blogs, wikis, and more. He also presents practical guidance for building robust, secure, collaborative applications by using applications and services from multiple sources with powerful tools such as WebSphere® Portal, Lotus® Connections, and IBM Mashup Center.

IBM i and IBM Storwize Family: A Practical Guide to Usage Scenarios - Sabine Jordan
2015-01-13

The use of external storage and the benefits of virtualization became a topic of discussion in the IBM® i area during the last several years. The question tends to be, what are the advantages of the use of external storage that is attached to an IBM i environment as opposed to the use of internal storage. The use of IBM PowerVM® virtualization technology to virtualize Power server processors and memory also became common in IBM i environments. However, virtualized access to external storage and network resources by using a VIO server is still not widely used. This IBM Redbooks® publication gives a broad overview of the IBM Storwize® family products and their features and functions. It describes the setup that is required on the storage side and describes and positions the different options for attaching IBM Storwize family products to an IBM i environment. Basic setup and configuration of a VIO server specifically for the needs of an IBM i environment is also described. In addition, different configuration options for a combined setup of IBM PowerHA® SystemMirror® for i and the Storwize family products are described and positioned against each other. Detailed

examples are provided for the setup process that is required for these environments. The information that is provided in this book is useful for clients, IBM Business Partners, and IBM service professionals who need to understand how to install and configure their IBM i environment with attachment to the Storwize family products.

IBM MQ as a Service: A Practical Approach - Lohitashwa Thyagaraj 2016-02-16

This IBM® Redpaper™ publication provides information about how to build, deploy, and use IBM MQ as a service. The information in this paper includes the key factors that must be considered while planning the use of IBM MQ as a service. Through descriptions and examples, this paper explains how to apply as a service methodologies to an IBM MQ environment, and describes techniques and preferred practices for integrating IBM MQ into a self-service portal. This paper explains how to create and use an IBM MQ as a service self-service menu for a portal. It includes examples that show how to use an IBM MQ as a service catalog. This paper describes options and techniques for deploying IBM MQ as a service that is tailored to the specific enterprise messaging needs of an organization. Although these techniques can be employed in a cloud environment, they are equally applicable in an on-premises enterprise data center. This paper includes information about the various infrastructure options that can be selected when implementing IBM MQ as a service. The information in this paper helps infrastructure administrators to define services so that you can provision IBM MQ resources quickly. The target audiences of this paper are developers, infrastructure administrators, and line-of-business (LOB) professionals who want to provision IBM MQ resources to be accessed as services in small, medium, large, and complex implementations.

Executing SOA - Norbert Bieberstein 2008-05-05
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

[IBM Lotus Connections 2.5](#) - Stephen Hardison 2009-12-24

The Practical, Complete Guide to Leveraging the Power of Social Networks with Lotus Connections 2.5 The first book to cover the newest version of the breakthrough product from IBM: Lotus Connections 2.5. This book includes practical techniques for building dynamic networks of coworkers, partners, and customers that promote innovation, business agility, and authoritative guidance for business and technical planning, deployment, integration, and much more. Social networking is the newest frontier in business collaboration, and IBM Lotus Connections 2.5 gives businesses the tools they need to make the most of it—easily, securely, and cost-effectively. In this book, a team of IBM Lotus Connections 2.5 experts thoroughly introduces the newest product and covers every facet of planning, deploying, and using it

successfully. The authors cover business and technical issues and present IBM's proven, best-practices methodology for successful implementation. The authors begin by helping managers and technical professionals identify opportunities to use social networking for competitive advantage—and by explaining how Lotus Connections 2.5 places full-fledged social networking tools at their fingertips. IBM Lotus Connections 2.5 carefully describes each component of the product—including profiles, activities, blogs, communities, easy social bookmarking, personal home pages, and more. The book contains practical coverage of administering Lotus Connections 2.5 and detailed guidance of integrating and extending Lotus Connections 2.5.

Websphere Engineering - Ying Ding
2015-07-15

The Practical, End-to-End Guide to WebSphere® Infrastructure Engineering and Technical Management Companies depend on the IBM® WebSphere platform to deliver mission-critical Web applications and services and to provide the foundation for Service Oriented Architecture (SOA). To gain maximum value from WebSphere technologies, organizations must implement comprehensive, integrated best practices for managing their WebSphere infrastructures. In this book, one of the most experienced enterprise WebSphere support managers introduces those best practices and explains exactly how to make the most of them. Drawing on his tremendous real-world expertise, Ying Ding shows how to maximize the WebSphere platform's reliability, stability, scalability, and performance for large enterprise systems. You'll find insightful discussions of each option and strategy for managing WebSphere, including practical guidance on making the right tradeoffs for your environment. Whether you're a WebSphere administrator, developer, consultant, support manager, engineer, or architect, this book brings together the information you need to run your WebSphere infrastructure with maximum effectiveness and efficiency. Coverage includes Planning, hiring, training, funding, and building a world-class WebSphere engineering support organization Implementing tight standards and consistent, comprehensive processes for managing the

entire WebSphere engineering life cycle
Creating optimal testing environments, administering parallel testing pipelines, and managing testing workloads Empowering production support teams with knowledge, system privileges, and the right tools Managing production emergencies and critical situations: evaluating problem severity, mitigating customer experience, restoring service, performing post-problem resolution, and much more Maximizing the stability of large-scale interconnected WebSphere systems for composite applications Supporting WebSphere platforms that provide end-to-end SOA infrastructure Introduction 1 Chapter 1: Organization Models and Choices 7 Chapter 2: Building a World-Class WebSphere Team Through Hiring and Training 41 Chapter 3: WebSphere Operations Framework 75 Chapter 4: Engagement Challenges 93 Chapter 5: Server Build 121 Chapter 6: Functional and Integration Testing Environment Support 139 Chapter 7: Stress-Testing Environment Support 153 Chapter 8: Production Environment Support 171 Chapter 9: Managing a Production Emergency 195 Chapter 10: System Upgrade and Product Maintenance Management 239 Chapter 11: Critical Work Relationships 261 Chapter 12: Managing the Stability of Large Enterprise WebSphere Systems 283 Chapter 13: WebSphere Engineering Going Forward 303 Index 321

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.

IMS Integration and Connectivity Across the Enterprise - Paolo Bruni 2014-04-08

This IBM® Redbooks® publication gives a broad understanding of IBM IMSTM integration and connectivity solutions to access applications and data stores across your enterprise architecture. As an application developer, architect, systems integrator, or systems programmer, there is important information that is available in this book that pertains to your responsibilities to continue to include the proven performance, data integrity, and workload distribution that is available from IMS in to selected projects that are related to your entire enterprise. This book updates and adds to the information in the following IBM Redbooks publications: *IMS e-business Connectors: A Guide to IMS Connectivity*, SG24-6514 *IMS Connectivity in an On Demand Environment: A Practical Guide to IMS Connectivity*, SG24-6794 *Powering SOA Solutions with IMS*, SG24-7662 *IBM IMS Version 12 Technical Overview*, SG24-7972 *IMS 12: The IMS Catalog*, REDP-4812 *Rethink Your Mainframe Applications: Reasons and Approaches for Extension, Transformation, and Growth*, REDP-4938

Digital Transformation and Modernization with IBM API Connect - Bryon Kataoka 2022-01-14

Successfully execute a strategic roadmap of digital transformation and modernize your enterprise with a proven API-led agile implementation approach by unlocking the full

range of features in IBM API Connect Version 10
Key FeaturesExplore techniques to design and deliver valuable customer-centric APIs using API ConnectManage your APIs with improved security and optimal performance across many channelsUncover hidden capabilities that help improve business agility and management within your API ecosystemBook Description IBM API Connect enables organizations to drive digital innovation using its scalable and robust API management capabilities across multi-cloud and hybrid environments. With API Connect's security, flexibility, and high performance, you'll be able to meet the needs of your enterprise and clients by extending your API footprint. This book provides a complete roadmap to create, manage, govern, and publish your APIs. You'll start by learning about API Connect components, such as API managers, developer portals, gateways, and analytics subsystems, as well as the management capabilities provided by CLI commands. You'll then develop APIs using OpenAPI and discover how you can enhance them with logic policies. The book shows you how to modernize SOAP and FHIR REST services as secure APIs with authentication, OAuth2/OpenID, and JWT, and demonstrates how API Connect provides safeguards for GraphQL APIs as well as published APIs that are easy to discover and well documented. As you advance, the book guides you in generating unit tests that supplement DevOps pipelines using Git and Jenkins for improved agility, and concludes with best practices for implementing API governance and customizing API Connect components. By the end of this book, you'll have learned how to transform your business by speeding up the time-to-market of your products and increase the ROI for your enterprise. What you will learnUse API Connect to create, manage, and publish customer-centric, API-led solutionsRun CLI commands to manage API configuration and deploymentsCreate REST, SOAP, and GraphQL APIs securely using OpenAPISupport OAuth and JWT security methods using policiesCreate custom policies to supplement securityApply built-in policies to transform payloadsUse CLIs and unit testing hooks within DevOps pipelinesFind out how to customize Analytics dashboards and Portal User InterfaceWho this book is for This book is for

developers and architects who want to achieve digital transformation using IBM API Connect and successfully execute the strategic roadmap of enterprise modernization while effectively managing their API ecosystem. A solid understanding of what RESTful services and APIs can do and where to implement API security is necessary to get started. Experience in application development and basic knowledge of microservices, container orchestration, and cloud environments will help you to get the most out of this book.

Microservices from Theory to Practice: Creating Applications in IBM Bluemix Using the Microservices Approach - Shahir Daya

2016-04-04

Microservices is an architectural style in which large, complex software applications are composed of one or more smaller services. Each of these microservices focuses on completing one task that represents a small business capability. These microservices can be developed in any programming language. They communicate with each other using language-neutral protocols, such as Representational State Transfer (REST), or messaging applications, such as IBM® MQ Light. This IBM Redbooks® publication gives a broad understanding of this increasingly popular architectural style, and provides some real-life examples of how you can develop applications using the microservices approach with IBM Bluemix™. The source code for all of these sample scenarios can be found on GitHub (<https://github.com/>). The book also presents some case studies from IBM products. We explain the architectural decisions made, our experiences, and lessons learned when redesigning these products using the microservices approach. Information technology (IT) professionals interested in learning about microservices and how to develop or redesign an application in Bluemix using microservices can benefit from this book.

[A Practical Guide to Managing Reference Data with IBM InfoSphere Master Data Management Reference Data Management Hub](#) - Whei-Jen Chen

2013-05-06

IBM® InfoSphere® Master Data Management Reference Data Management Hub (InfoSphere MDM Ref DM Hub) is designed as a ready-to-run

application that provides the governance, process, security, and audit control for managing reference data as an enterprise standard, resulting in fewer errors, reduced business risk and cost savings. This IBM Redbooks® publication describes where InfoSphere MDM Ref DM Hub fits into information management reference architecture. It explains the end-to-end process of an InfoSphere MDM Ref DM Hub implementation including the considerations of planning a reference data management project, requirements gathering and analysis, model design in detail, and integration considerations and scenarios. It then shows implementation examples and the ongoing administration tasks. This publication can help IT professionals who are interested or have a need to manage reference data efficiently and implement an InfoSphere MDM Ref DM Hub solution with ease.

Outside-in Software Development - Carl Kessler

2007-09-24

"Outside-in thinking complements any approach your teams may be taking to the actual implementation of software, but it changes how you measure success. A successful outside-in team does a lot of learning and not much speculation." —Tom Poppendieck Build Software That Delivers Maximum Business Value to Every Key Stakeholder Imagine your ideal development project. It will deliver exactly what your clients need. It will achieve broad, rapid, enthusiastic adoption. And it will be designed and built by a productive, high-morale team of expert software professionals. Using this book's breakthrough "outside-in" approach to software development, your next project can be that ideal project. In *Outside-in Software Development*, two of IBM's most respected software leaders, Carl Kessler and John Sweitzer, show you how to identify the stakeholders who'll determine your project's real value, shape every decision around their real needs, and deliver software that achieves broad, rapid, enthusiastic adoption. The authors present an end-to-end framework and practical implementation techniques any development team can quickly benefit from, regardless of project type or scope. Using their proven approach, you can improve the effectiveness of every client conversation, define

priorities with greater visibility and clarity, and make sure all your code delivers maximum business value. Coverage includes Understanding your stakeholders and the organizational and business context they operate in Clarifying the short- and long-term stakeholder goals your project will satisfy More effectively mapping project expectations to outcomes Building more "consumable" software: systems that are easier to deploy, use, and support Continuously enhancing alignment with stakeholder goals Helping stakeholders manage ongoing change long after you've delivered your product Mastering the leadership techniques needed to drive outside-in development

WebSphere V3.5 Handbook - Ken Ueno 2001-01

This book is about IBM's WebSphere Application Server V3.5., the Standard and Advanced editions. It will be a "must have" WebSphere handbook.

Computerworld - 1988-09-19

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and

custom research form the hub of the world's largest global IT media network.

IBM WebSphere Application Server V8 Concepts, Planning, and Design Guide -

Margaret Ticknor 2011-09-14

This IBM® Redbooks® publication provides information about the concepts, planning, and design of IBM WebSphere® Application Server V8 environments. The target audience of this book is IT architects and consultants who want more information about the planning and designing of application-serving environments, from small to large, and complex implementations. This book addresses the packaging and features in WebSphere Application Server V8 and highlights the most common implementation topologies. It provides information about planning for specific tasks and components that conform to the WebSphere Application Server environment. Also in this book are planning guidelines for WebSphere Application Server V8 and WebSphere Application Server Network Deployment V8 on distributed platforms and for WebSphere Application Server for z/OS® V8. This book contains information about migration considerations when moving from previous releases.