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# Ibm Integration Bus V9 Application Development Ii

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DB2 9 for Linux, UNIX, and Windows

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

Hybrid Cloud Event Integration: Integrate Your Enterprise and Cloud with Bluemix Integration Services

Establishing a Secure Hybrid Cloud with the IBM PureApplication Family

IBM WebSphere Application Server V8.5 Administration and Configuration Guide for Liberty Profile

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Enterprise Interoperability IV  
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Internet of Things. IoT Infrastructures  
Understanding IBM Workplace Strategy & Products  
Reduce Costs and Speed Your Digital Transformation with IBM WebSphere Application Server on Cloud  
WebSphere Business Process Management and WebSphere Enterprise Service Bus V7 Performance Tuning  
IBM Intelligent Operations Center 1.6 Programming Guide  
IBM z/OS Container Extensions (zCX) Use Cases  
Maven Essentials  
IBM Software for SAP Solutions  
IBM WebSphere DataPower SOA Appliance Handbook  
Rapid Deployment of Integrated WebSphere Solutions in Your Cloud  
Smart SOA Solutions with WebSphere Enterprise Service Bus Registry Edition V7.5  
On the Move to Meaningful Internet Systems: OTM 2014 Workshops

*IBM Integration Bus V9 Application  
Development II*

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## **BROOKLYN EILEEN**

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*DB2 9 for Linux, UNIX, and Windows* Springer Science & Business Media

The event-centric hybrid cloud integration revolves around applications running based on events or messages. The new event-centric approach to hybrid cloud aims to simplify the task of managing these messages while increasing the overall reliability of the system. Event-centric applications work well in the cloud due to the varying intensity and frequency of events. These fluctuations fit well into a cloud infrastructure that can

dynamically scale to fit those needs. An event-centric approach cuts down on communication overhead for an application, thus helping to speed up the development process. IBM® Hybrid Integration Services is a set of hybrid cloud capabilities in IBM Bluemix® that allows businesses to create hybrid clouds by connecting their Bluemix environment to on-premises systems at the application programming interface (API), data, or event level. In November 2015, the IBM International Technical Support Organization (ITSO) IBM Redbooks® team published a Redbooks publication that covers hybrid cloud scenarios with Bluemix for API and data integrations, Hybrid Cloud Data and API Integration: Integrate Your Enterprise and Cloud with Bluemix Integration Services, SG24-8277, and can be found at the following website: <http://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg>

248277.html?Open Hybrid Cloud Event Integration: Integrate Your Enterprise and Cloud with Bluemix Integration Services, SG24-8281 is a companion book to SG24-8277 and focuses on event-centric hybrid cloud integrations with Bluemix.

[IBM WebSphere Application Server V8 Concepts, Planning, and Design Guide](#) IBM Redbooks

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.

Hybrid Cloud Event Integration: Integrate Your Enterprise and Cloud with Bluemix Integration Services IBM Redbooks

This volume constitutes the refereed proceedings of the following 9 international workshops: OTM Academy, OTM Industry Case Studies Program, Cloud and Trusted Computing, C&TC, Enterprise Integration, Interoperability, and Networking, EI2N, Industrial and Business Applications of Semantic Web Technologies, INBAST, Information Systems, om Distributed Environment, ISDE, Methods, Evaluation, Tools and Applications for the Creation and Consumption of Structured Data for the e-Society, META4eS, Mobile and Social Computing for collaborative interactions, MSC, and Ontology Content, OnToContent 2014. These workshops were held as associated events at OTM 2014, the federated conferences "On The Move Towards Meaningful Internet Systems and Ubiquitous Computing", in Amantea, Italy, in October 2014. The 56 full papers presented together with 8 short papers, 6 posters and 5 keynotes were carefully reviewed and selected from a total of 96 submissions. The focus of the workshops were on the following subjects models for interoperable infrastructures, applications, privacy and access control, reliability and performance, cloud and configuration management, interoperability in (System-of-)Systems, distributed information systems applications, architecture and process in distributed

information system, distributed information system development and operational environment, ontology is use for eSociety, knowledge management and applications for eSociety, social networks and social services, social and mobile intelligence, and multimodal interaction and collaboration.

*Establishing a Secure Hybrid Cloud with the IBM PureApplication Family* IBM Redbooks

The two-volume set LNICST 169 and 170 constitutes the thoroughly refereed post-conference proceedings of the Second International Internet of Things Summit, IoT 360° 2015, held in Rome, Italy, in October 2015. The IoT 360° is an event bringing a 360 degree perspective on IoT-related projects in important sectors such as mobility, security, healthcare and urban spaces. The conference also aims to coach involved people on the whole path between research to innovation and the way through to commercialization in the IoT domain. This volume contains 61 revised full papers at the following four conferences: International Conference on IoT as a Service, IoTaaS, International Conference on Mobility in IoT, Mobility IoT, International Conference on Sensor Systems and Software, S-Cube, International Conference on Interoperability in IoT, InterIoT, International Conference on Software Defined and Virtual Future Wireless Networks, SDWNCT.

**IBM WebSphere Application Server V8.5 Administration and Configuration Guide for Liberty Profile** IBM Redbooks

IBM® Intelligent Operations Center is an integrated solution. It provides a rich set of capabilities and line of business tools that business users with domain expertise and no technical background can use without customization. IBM Intelligent Operations Center also provides services and extension points

that developers can use to extend the IBM Intelligent Operations Center standard functions and develop capabilities specific to the domain and client requirements. IBM Intelligent Operations Center includes an application-based programming model that supports all the interactions with the solution components. The programming model is based on industry standard Representational State Transfer (REST) and Java technologies. IBM Intelligent Operations Center includes a full set of REST and Java application programming interfaces (APIs) that provide a simplified development environment and make the platform easy to extend and customize for a large community of developers. This IBM Redbooks® publication gives a broad understanding of the IBM Intelligent Operations Center 1.6.0.1 programming model and available extension points. Many of the chapters describe working examples and usage scenarios that demonstrate how to extend the IBM Intelligent Operations Center base platform. This book includes sample code that can be downloaded from the IBM Redbooks website. The target audience for this book consists of solution architects, developers, technical consultants, and solution administrators who will learn the following information: The options available to extend the IBM Intelligent Operations Center solution programmatically How to configure customizations tailored to specific customer requirements How to use the available configuration tools to configure the solution without requiring programming Readers of this book will benefit from the IBM Redbooks publication IBM® Intelligent Operations Center 1.5 to 1.6 Migration Guide , SG24-8202.

*Pro (IBM) WebSphere Application Server 7 Internals* IBM Redbooks  
This IBM® Redpaper™ publication updated technical overview

provides essential details about the data processing steps, message flows, and analytical models that power IBM Predictive Maintenance and Quality (PMQ) Version 2.0. The new version of PMQ builds on the first one, released in 2013, to help companies efficiently monitor and maintain production assets and improve their overall availability, utilization, and performance. It analyzes various types of data to detect failure patterns and poor quality parts earlier than traditional quality control methods, with the goal of reducing unscheduled asset downtime and improving quality metrics. Version 2.0 includes an improved method of interacting with the solution's analytic data store using an API from the new Analytics Solution Foundation, a reusable, configurable, and extensible component that supports a number of the solution's analytic functions. The new version also changes the calculation of profiles and KPIs, which is now done using orchestrations that are defined in XML. This updated technical overview provides details about these new orchestration definitions.

*Creating Integrated IBM WebSphere Solutions using Application Lifecycle Management* IBM Redbooks

If you are working with Java or Java EE projects and you want to take full advantage of Maven in designing, executing, and maintaining your build system for optimal developer productivity, then this book is ideal for you. You should be well versed with Maven and its basic functionality if you wish to get the most out of the book.

[Mastering Apache Maven 3](#) IBM Redbooks

IBM® Cloud Manager with OpenStack for z Systems™, V4.2 is an easy-to-use cloud management solution that serves as a control

point for cloud managed resources based on the OpenStack Juno distribution. IBM Cloud Manager with OpenStack for z Systems, V4.2 can operate as a cloud management hub that can manage IBM z Systems™, IBM Power Systems™, and x86 resources from a central point of control. This IBM Redbooks® publication gives a broad understanding of the architecture for IBM Cloud Manager with OpenStack for z Systems, V4.2, and how it can be implemented and deployed to support cloud services on the z Systems platform. This publication also helps you plan, install, configure, and use IBM Cloud Manager with OpenStack for z Systems, V4.2. It focuses on planning and design of your cloud environment on z Systems, as well as the installation and configuration definitions that are necessary to build and manage cloud resources under IBM z/VM®. This information is useful to IT architects and system administrators who plan for and install IBM Cloud Manager with OpenStack for z Systems. The reader is expected to have a good understanding of IBM z Systems™ hardware, IBM z/VM, Linux on z Systems, and cloud concepts.

*Integration Throughout and Beyond the Enterprise* IBM Redbooks Enterprise Interoperability is the ability of an enterprise or organisation to work with other enterprises or organisations without special effort. It is now recognised that interoperability of systems and thus sharing of information is not sufficient to ensure common understanding between enterprises. Knowledge of information meaning and understanding of how it is to be used must also be shared if decision makers distributed between those enterprises in the network want to act consistently and efficiently. Industry's need for Enterprise Interoperability has been one of the significant drivers for research into the Internet

of the Future. EI research will embrace and extend contributions from the Internet of Things and the Internet of Services, and will go on to drive the future needs for Internets of People, Processes, and Knowledge.

*Version-to-Version Migration to IBM WebSphere Dynamic Process Edition* IBM Redbooks

This IBM® Redbooks® publication takes you on a hybrid cloud journey with IBM PureApplication® System and PureApplication Service: from the what, over the why, and to the how. We outline the needs for a hybrid PureApplication cloud and we describe how to build a strategy. We provide advice about the components, including security. Through use cases, we define the need and the strategy for a hybrid cloud implementation with IBM PureApplication System, Software, or Service. The target audience for this book varies from anyone who is interested in learning more about a true hybrid cloud solution from IBM to strategists, IT architects, and IT specialists who want an overview of what is required to build a hybrid cloud with IBM PureApplication family members.

*An Architectural and Practical Guide to IBM Hybrid Integration Platform* IBM Redbooks

This IBM® Redbooks® publication uses the same practical solution and is an extension to *Creating Integrated WebSphere Solutions using Application Lifecycle Management*, SG24-8243-00. This paper demonstrates how to take an existing application that was built in a legacy environment, and bring that application to IBM PureApplication® Systems, using preferred practices for deployment and automation. The process is illustrated using a business scenario. This publication is intended

for architects, developers, and administrators who want to know about the next generation of technology that modern IT organizations are moving rapidly towards: Application integration and systems development.

**WebSphere Application Server V7: Competitive Migration Guide** IBM Redbooks

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.

**IBM Predictive Maintenance and Quality 2.0 Technical Overview** Packt Publishing Ltd

Businesses are always looking for ways to improve the customer experience. They need to connect with existing and new customers in innovative ways and deliver experiences that never disappoint. They also require technology-strengthened business strategies with the flexibility to adapt to new opportunities quickly. To achieve this agile state, many are using cloud-based solutions to create personalized customer experiences and harness existing enterprise applications, data, and services for a competitive advantage. IBM® WebSphere® Application Server on cloud (WebSphere on cloud) helps businesses like yours take advantage of the cloud as a strategic environment to realize various benefits: Reduce costs by optimizing the entire application-related infrastructure. Create opportunities by rapidly creating and integrating cloud-based applications. Reap more value from existing applications by augmenting them with cloud services. Deliver compelling customer experiences across all channels. Speed time to market at a lower cost through rapid creation and deployment of APIs and microservices. Increase brand reach or drive new revenue by publishing APIs externally. Drive innovation by enhancing your Java applications with IBM Bluemix® services. Optimize existing workloads by lifting and shifting them unchanged to the cloud in just minutes, allowing you to take advantage of fast and flexible provisioning, and pay-as-you-go pricing. This IBM Redbooks® Redguide™ publication introduces the WebSphere on cloud capabilities and highlights

key concepts that are associated with this IBM WebSphere offering. The guide discusses the business value offered by WebSphere on cloud, provides a high-level architectural view, and explains three common entry points (Create, Connect, and Optimize) to cloud. The guide also identifies the IBM products that play important roles in those entry points. It includes real-world examples of how customers are using WebSphere on cloud to resolve business challenges and enhance return on investment (ROI).

#### **IBM Cloud Manager with OpenStack on z Systems V4.2** IBM Redbooks

This IBM® Redbooks® publication provides information about the concepts, planning, and design of IBM WebSphere® Application Server V8.5 environments. The target audience of this book is IT architects and consultants who want more information about the planning and design of application-serving environments, from small to large, and complex implementations. This book addresses the packaging and features in WebSphere Application Server, 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 and Websphere Application Server Network Deployment on distributed platforms. It also includes guidelines for WebSphere Application Server for IBM z/OS®. This book contains information about migration considerations when moving from previous releases. This book has been updated with the new features introduced with WebSphere Application Server V8.5.5.

#### **Developing and Hosting Applications on the Cloud** IBM Redbooks

IBM® MessageSight is an appliance-based messaging server that is optimized to address the massive scale requirements of machine-to-machine (m2m) and mobile user scenarios. IBM MessageSight makes it easy to connect mobile customers to your existing messaging enterprise system, enabling a substantial number of remote clients to be concurrently connected. The MQTT protocol is a lightweight messaging protocol that uses publish/subscribe architecture to deliver messages over low bandwidth or unreliable networks. A publish/subscribe architecture works well for HTML5, native, and hybrid mobile applications by removing the wait time of a request/response model. This creates a better, richer user experience. The MQTT protocol is simple, which results in a client library with a low footprint. MQTT was proposed as an Organization for the Advancement of Structured Information Standards (OASIS) standard. This book provides information about version 3.1 of the MQTT specification. This IBM Redbooks® publication provides information about how IBM MessageSight, in combination with MQTT, facilitates the expansion of enterprise systems to include mobile devices and m2m communications. This book also outlines how to connect IBM MessageSight to an existing infrastructure, either through the use of IBM WebSphere® MQ connectivity or the IBM Integration Bus (formerly known as WebSphere Message Broker). This book describes IBM MessageSight product features and facilities that are relevant to technical personnel, such as system architects, to help them make informed design decisions regarding the integration of the



messaging appliance into their enterprise architecture. Using a scenario-based approach, you learn how to develop a mobile application, and how to integrate IBM MessageSight with other IBM products. This publication is intended to be of use to a wide-ranging audience.

*Application Development for IBM CICS Web Services* IBM Redbooks

A Complete, Practical Guide to Building and Hosting Cloud Services That Deliver Exceptional Business Value In this unique title, key developers of the IBM SmartCloud Enterprise share indispensable insights for developing and operating cloud-based solutions on any cloud platform. Drawing on their unsurpassed in-the-trenches experience, the authors help you develop the new mindset and skills needed to succeed in cloud environments, where development, business, and system operations are linked more tightly than ever. Using examples based on IBM SmartCloud Enterprise, the authors cover a wide variety of cloud "use cases," while also introducing general principles for automating and optimizing IT infrastructure in any cloud environment. They begin by presenting an authoritative, accessible review of cloud computing and Infrastructure as a Service (IaaS) cloud concepts. Next, they demonstrate how to use cloud tools, develop basic cloud applications, and utilize standards to establish interoperability between clouds. Finally, drawing on deep personal experience, they offer best-practice solutions for all facets of cloud hosting, including security, monitoring, performance, availability, and business support. Throughout, they emphasize real-world problem solving, offering numerous code examples and practical demonstrations of real-world tools and

utilities. Coverage includes Understanding each cloud deployment model: private, community, public, and hybrid Reviewing key cloud computing use cases, including those based on virtualization and collaboration Developing for the cloud with the LAMP stack, Windows, J2EE, WebSphere, and other technologies Building apps for the IBM SmartCloud Enterprise public infrastructure Using the command line toolkit, Java, and REST APIs to manage IBM SmartCloud Enterprise resources Exploring cloud computing standards and open source projects that promote interoperability among clouds Building cloud applications to customize images, deliver network services, install/manage software, and provide remote desktops Using IBM's powerful self-service and delegated administration models and best-of-breed VM images Leveraging open source projects for cloud service management and virtualization Understanding cloud service security: trusted certificates, identity/access management, SSH, HTTPS, IPSec, application hardening, and much more Monitoring and optimizing performance and availability through the entire system lifecycle Managing, scaling, and automating cloud applications to meet business needs This title will be valuable to every enterprise developer, architect, and IT manager seeking the full benefits of cloud-based services; all ISVs building value-add services on public clouds; and everyone building applications that rely heavily on IaaS, Platform as a Service (PaaS), Software as a Service (SaaS), or Business as a Service (BaaS).

*Beyond Big Data* IBM Redbooks

DB2® 9 builds on the world's number one enterprise database to simplify the delivery of information as a service, accelerate

development, and dramatically improve operational efficiency, security, and resiliency. Now, this new edition offers complete, start-to-finish coverage of DB2 9 administration and development for Linux®, UNIX®, and Windows® platforms, as well as authoritative preparation for the latest IBM DB2 certification exam. Written for both DBAs and developers, this definitive reference and self-study guide covers all aspects of deploying and managing DB2 9, including DB2 database design and development; day-to-day administration and backup; deployment of networked, Internet-centered, and SOA-based applications; migration; and much more. You'll also find an unparalleled collection of expert tips for optimizing performance, availability, and value. Coverage includes: Important security and resiliency enhancements, including advanced access control; fine-grained, label-based security; and the new security administrator role Breakthrough pureXML™ features that make it easier to succeed with service-oriented architecture Operational improvements that enhance DBA efficiency--including self-tuning memory allocation, automated storage management, and storage optimization Table-partitioning features that improve scalability and manageability Powerful improvements for more agile and rapid development, including the new Eclipse-based Developer Workbench and simple SQL or XQuery access to all data Whatever your role in working with DB2 or preparing for certification, DB2 9 for Linux, UNIX, and Windows, Sixth Edition is the one book you can't afford to be without. Download Complete DB2 V9 Trial Version Visit [ibm.com/db2/9/download.html](http://ibm.com/db2/9/download.html) to download a complete trial version of DB2, which enables you to try out dozens of the most powerful features of DB2 for yourself: everything from pureXML

support to automated administration and optimization. Straight from IBM, the ultimate guide to running DB2 9 and preparing for the latest IBM DB2 certification exam! Covers powerful DB2 9 enhancements ranging from automated management to improved compression Covers the full spectrum of DBA responsibilities, including server management, data placement, XML concepts, activity analysis, high availability, and security Presents expert tips and best practices from the DB2 customer support organization

#### Accelerating Modernization with Agile Integration IBM Redbooks

This IBM® Redbooks® publication demonstrates, through a practical solution and step-by-step implementation instructions, how customers can use the IBM Rational® Application Lifecycle Management (ALM) portfolio to build and manage an integrated IBM WebSphere® Application. Building a business application (mobile and desktop) that uses WebSphere Application Server, IBM MQ, IBM Integration Bus (IIB), Business Process Management (BPM), Operational Decision Management (ODM), and Mobile. IBM Redpaper™ publication, Rapid deployment of integrated WebSphere solutions in your cloud, REDP-5132, is an extension to this IBM Redbooks publication. Using the same practical solution covered in this Redbooks publication, REDP-5132 demonstrates how the IBM PureApplication® System is a "logical extension" versus a "whole new world", covering PureApplication Patterns and the new PureApplication as a service on Softlayer. The intended audience for this book is architects, developers, administrators, and DevOps personnel.

*Responsive Mobile User Experience Using MQTT and IBM MessageSight* Pearson Education

This IBM® Redpaper™ publication positions WebSphere® Application Server Version 7.0 in today's marketplace and discusses the most common migration methods taking WebSphere Application Server from a V5.1 and V6.x environment to V7.0. This paper helps you to understand the significant changes with respect to migrating to WebSphere Application Server on V7.0. This paper provides several business scenarios that can be implemented through simple customizations. Each scenario addresses a unique requirement that can be mapped with similar business scenarios, as in the following examples: Migrate portions of a configuration from an existing WebSphere Application Server V5.1.x, V6.0.x, or V6.1x to V7.0. Migrate existing configurations and applications to WebSphere Application Server V7.0 by copy and coexistence. Migrate a large network deployment configuration with a large number of applications. This paper has been developed for an experienced WebSphere Application Server design, development, and software engineering audience.

*Modernizing IBM i Applications from the Database up to the User Interface and Everything in Between* IBM Redbooks

This IBM® Redbooks® publication focuses on developing Web service applications in IBM CICS®. It takes the broad view of developing and modernizing CICS applications for XML, Web services, SOAP, and SOA support, and lays out a reference architecture for developing these kinds of applications. We start by discussing Web services in general, then review how CICS implements Web services. We offer an overview of different development approaches: bottom-up, top-down, and meet-in-the-middle. We then look at how you would go about exposing a CICS application as a Web service provider, again looking at the different approaches. The book then steps through the process of creating a CICS Web service requester. We follow this by looking at CICS application aggregation (including 3270 applications) with IBM Rational® Application Developer for IBM System z® and how to implement CICS Web Services using CICS Cloud technology. The first part is concluded with hints and tips to help you when implementing this technology. Part two of this publication provides performance figures for a basic Web service. We investigate some common variables and examine their effects on the performance of CICS as both a requester and provider of Web services.