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Implementing CICS Web Services

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SOA governance and WSRR

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Ibm Manual Implementing Cics Web Services:

Implementing CICS Web Services Nigel Williams,2007-01-01   *Application Development for IBM CICS Web Services* O'Grady James,Ian Burnett,Jim Harrison,San Yong Liu,Xue Yong Zhang,IBM Redbooks,2015-01-27 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   **Implementing CICS Web Services** Nigel Williams,Luis Aused Lopez,Robert Herman,Mike Ebbers,Grant Ward Able,Paolo Chieregatti,Tommy Joergensen,Steve Wall,2007 The Web services support in CICS Transaction Server Version 3 1 enables your CICS programs to be Web service providers or requesters CICS supports a number of specifications including SOAP Version 1 1 and Version 1 2 and Web services distributed transactions WS Atomic Transaction This IBM Redbooks publication will help you configure the CICS Web services support for both HTTP and WebSphere MQ based solutions We show how Web services can be used to integrate J2EE applications running in WebSphere Application Server with COBOL programs running in CICS It begins with an overview of Web services standards and the Web services support provided by CICS TS V3 1 Complete details for configuring CICS Web services using both HTTP and WebSphere MQ are provided next along with the steps for using Web services to connect to CICS from a service integration bus The book then shows how CICS Web services can be secured using a combination of Web Services Security WS Security and transport level security mechanisms such as SSL TLS Finally it demonstrates how atomic Web services transactions can be configured to allow WebSphere and CICS resource updates to be synchronized This book concentrates on implementation specifics such as security transactions and availability   Implementing CICS Web Services ,2008-01-01

Implementing IBM CICS JSON Web Services for Mobile Applications Rufus Credle,Andy Armstrong,Chris Atkinson,Russell Bonner,Geoff Pirie,Inderpal Singh,Nigel Williams,Matthew Wilson,Mark Woolley,IBM Redbooks,2013-11-27 This IBM Redbooks publication provides information about how you can connect mobile devices to IBM Customer Information Control System CICS Transaction Server CICS TS using existing enterprise services already hosted on CICS or to

develop new services supporting new lines of business This book describes the steps to develop configure and deploy a mobile application that connects either directly to CICS TS or to CICS via IBM Worklight Server It also describes the advantages that your organization can realize by using Worklight Server with CICS In addition this Redbooks publication provides a broad understanding of the new CICS architecture that enables you to make new and existing mainframe applications available as web services using JavaScript Object Notation JSON and provides support for the transformation between JSON and application data While doing so we provide information about each resource definition and its role when CICS handles or makes a request We also describe how to move your CICS applications and business into the mobile space and how to prepare your CICS environment for the following scenarios Taking an existing CICS application and exposing it as a JSON web service Creating a new CICS application based on a JSON schema Using CICS as a JSON client This Redbooks publication provides information about the installation and configuration steps for both Worklight Studio and Worklight Server Worklight Studio is the Eclipse interface that a developer uses to implement a Worklight native or hybrid mobile application and can be installed into an Eclipse instance Worklight Server is where components developed for the server side written in Worklight Studio such as adapters and custom server side authentication logic run CICS applications and their associated data constitute some of the most valuable assets owned by an enterprise Therefore the protection of these assets is an essential part of any CICS mobile project This Redbooks publication after a review of the main mobile security challenges outlines the options for securing CICS JSON web services and reviews how products such as Worklight and IBM DataPower can help It then shows examples of security configurations in CICS and Worklight *Accessing CICS Business Applications from the World Wide Web* Guido De Simoni,1996 The first and only book that shows information technology professionals how to access legacy mainframe applications from the World Wide Web *Executing SOA* Norbert Bieberstein,Robert Laird,Keith Jones,Tilak Mitra,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 *Architect's Guide to IBM CICS on System z* Phil Wakelin,Ahmed Farrag,Steve Hobson,Manuel Jaen,Tommy Joergensen,Thiago Rotta,IBM Redbooks,2012-11-20 IBM CICS Transaction Server CICS TS has been available in various guises for over 40 years and continues to be one of the most widely used pieces of commercial software This IBM Redbooks publication helps application architects discover the value of CICS Transaction Server to their business This book can help architects understand the value and capabilities of CICS Transaction Server and the CICS tools portfolio The book also provides detailed guidance on the leading practices for designing and integrating CICS applications within an enterprise and the patterns and techniques you can use to create CICS systems that provide the qualities of service that your business requires **Implementing IBM CICS JSON Web Services for Mobile Applications** Rufus Credle,Andy Armstrong,Chris Atkinson,Russell Bonner,Geoff Pirie,Inderpal Singh,Nigel Williams,Matthew Wilson,Mark Woolley,2013 This IBM Redbooks publication provides information about how you can connect mobile devices to IBM Customer Information Control System CICS Transaction Server CICS TS using existing enterprise services already hosted on CICS or to develop new services supporting new lines of business This book describes the steps to develop configure and deploy a mobile application that connects either directly to CICS TS or to CICS via IBM Worklight Server It also describes the advantages that your organization can realize by using Worklight Server with CICS In addition this Redbooks publication provides a broad understanding of the new CICS architecture that enables you to make new and existing mainframe applications available as web services using JavaScript Object Notation JSON and provides support for the transformation between JSON and application data While doing so we provide information about each resource definition and its role when CICS handles or makes a request We also describe how to move your CICS applications and business into the mobile space and how to prepare your CICS environment for the following scenarios Taking an existing CICS application and exposing it as a JSON web service Creating a new CICS application based on a JSON schema Using CICS as a JSON client This Redbooks publication provides information about the installation and configuration steps for both Worklight Studio and Worklight Server Worklight Studio is the Eclipse interface that a developer uses to implement a Worklight native or hybrid mobile application and can be installed into an Eclipse instance Worklight Server is where components developed for the server side written in Worklight Studio such as adapters and custom server side authentication logic run CICS applications and their associated data constitute some of the most valuable assets owned by an enterprise Therefore the protection of these assets is an essential part of any CICS mobile project This Redbooks publication after a review of the main mobile security challenges outlines the options for securing CICS JSON web services and reviews

how products such as Worklight and IBM DataPower can help It then shows examples of security configurations in CICS and Worklight   *Practical Microservices Architectural Patterns* Binildas Christudas,2019-06-25 Take your distributed applications to the next level and see what the reference architectures associated with microservices can do for you This book begins by showing you the distributed computing architecture landscape and provides an in depth view of microservices architecture Following this you will work with CQRS an essential pattern for microservices and get a view of how distributed messaging works Moving on you will take a deep dive into Spring Boot and Spring Cloud Coming back to CQRS you will learn how event driven microservices work with this pattern using the Axon 2 framework This takes you on to how transactions work with microservices followed by advanced architectures to address non functional aspects such as high availability and scalability In the concluding part of the book you develop your own enterprise grade microservices application using the Axon framework and true BASE transactions while making it as secure as possible What You Will Learn Shift from monolith architecture to microservices Work with distributed and ACID transactions Build solid architectures without two phase commit transactions Discover the high availability principles in microservices Who This Book Is For Java developers with basic knowledge of distributed and multi threaded application architecture and no knowledge of Spring Boot or Spring Cloud Knowledge of CQRS and event driven architecture is not mandatory as this book will cover these in depth   **Web Gateway Tools** Josephine Cheng,Susan Malaika,1997-04 Thousands of companies with IBM computers are looking for methods to make their systems Web compatible This book written by a team of IBM s leading developers shows you how to use new Web gateway tools to connect existing applications to the Web including DB2 CICS and Lotus Notes   **InfoWorld** ,1998-08-10 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects   **IBM Systems Journal** International Business Machines Corporation,2001   *Computerworld* ,1996-10-21 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   **Computerworld** ,1999-02-22 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   **Computerworld** ,1996-11-18 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   **InfoWorld** ,2004-11-01 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects   *InfoWorld* ,1999-09-06 InfoWorld is targeted to Senior

IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects **Computerworld** ,1998-07-20 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 Application Development for International Business Machines Customer Information Control System Web Services James O'Grady,Ian Burnett,Jim Harrison,San Yong Liu,Xue Young Zhang,International Business Machines Corporation. International Technical Support Organization,2015

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