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**IBM CICS and Liberty: What You Need to Know** Sas Inst  
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 10Key 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 ecosystemBook DescriptionIBM 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 InterfaceWho this book is forThis 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.

### Secure Messaging Scenarios with WebSphere MQ Packt Publishing Ltd

This IBM® Redbooks® publication focuses on gathering the correct technical information, and laying out simple guidance for optimizing code performance on IBM POWER8® processor-based systems that run the IBM AIX®, IBM i, or Linux operating systems. There is straightforward performance optimization that can be performed with a minimum of effort and without extensive previous experience or in-depth knowledge. The POWER8 processor contains many new and important performance features, such as support for eight hardware threads in each core and support for transactional memory. The POWER8 processor is a strict superset of the IBM POWER7+™ processor, and so all of the performance features of the POWER7+ processor, such as multiple page sizes, also appear in the POWER8 processor. Much of the technical information and guidance for optimizing performance on POWER8 processors that is presented in this guide also applies to POWER7+ and earlier processors, except where the guide explicitly indicates that a feature is new in the POWER8 processor. This guide strives to focus on optimizations that tend to be positive across a broad set of IBM POWER® processor chips and systems. Specific guidance is given for the POWER8 processor; however, the general guidance is applicable to the IBM POWER7+, IBM POWER7®, IBM POWER6®, IBM POWER5, and even to earlier

processors. This guide is directed at personnel who are responsible for performing migration and implementation activities on POWER8 processor-based systems. This includes system administrators, system architects, network administrators, information architects, and database administrators (DBAs).

### Understanding IBM SOA Foundation Suite IBM Redbooks

IBM Rational Application Developer is a very important tool for developers, but it is also a complex product. An Introduction to IBM Rational Application Developer, A Guided Tour is designed to jumpstart the learning process with its focus on interactive hands-on learning through a wide variety of useful, practical, end-to-end tutorials. Hands-on exercises and in-depth explanations form chapter "modules" within the book, thereby providing a complete step-by-step guide to each specific topic while allowing readers to pick and choose which tutorials they want (or need) to study without necessarily going in chapter order. And, because of its modular structure, each tutorial's sample code is independent of any earlier tutorials, freeing readers to skip from tutorial to tutorial, based on their specific knowledge requirements. Because of this design, this book continues to be a useful reference as a reader's "need to know" increases. Using this book's method, readers quickly learn IBM Rational Application Developer--regardless of their previous level of experience or inexperience. For beginners, there are tutorials that teach how to create Web, EJB, JMS, and Web Services applications using Rational Application Developer. For the more advanced readers, there are tutorials on security, publishing, testing, team development, profiling, and logging. Written to appeal to as broad an audience as possible, the tutorials run on common databases, including IBM Cloudscape, IBM DB2(R) Universal Database, Microsoft(R) SQL Server, Sybase(R) Enterprise Systems, and Oracle(R) Database.  
SAS Administration from the Ground Up Max Hailperin  
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  
IBM WebSphere System Administration IBM Redbooks  
IBM® Content Navigator provides a unified user interface for your Enterprise Content Management (ECM) solutions. It also provides a robust development platform so you can build customized user interface and applications to deliver value and

an intelligent, business-centric experience. This IBM Redbooks® publication guides you through the Content Navigator platform, its architecture, and the available programming interfaces. It describes how you can configure and customize the user interface with the administration tools provided, and how you can customize and extend Content Navigator using available development options with sample code. Specifically, the book shows how to set up a development environment, and develop plug-ins that add an action, service, and feature to the user interface. Customization topics include implementing request and response filters, external data services (EDS), creating custom step processors, and using Content Navigator widgets in other applications. This book also covers mobile development, viewer customization, component deployment, and debugging and troubleshooting. This book is intended for IT architects, application designers and developers working with IBM Content Navigator and IBM ECM products. It offers a high-level description of how to extend and customize IBM Content Navigator and also more technical details of how to do implementations with sample code.

### IBM Midmarket Software Buying and Selling Guide Packt Publishing Ltd

Optimize Your Entire Requirements Process-and Use Requirements to Build More Successful Software Using IBM Rational RequisitePro , you can systematically improve the way you create and maintain requirements-and use those requirements to build more effective, higher-quality software. Now, for the first time, there's a comprehensive, hands-on guide to optimally using RequisitePro in real-world development environments. Utilizing a start-to-finish sample project, requirements expert Peter Zielczynski introduces an organized, best-practice approach to managing requirements and shows how to implement every step with RequisitePro. You'll walk through planning, eliciting, and clarifying stakeholder requirements; building use cases and other key project documents; managing changing requirements; transforming requirements into designs; and much more. Every stage of the process is illuminated with examples, realistic artifacts, and practical solutions. This book is an invaluable resource for everyone who creates requirements, and everyone who relies on them: business analysts, systems analysts, project managers, architects, designers, developers, and testers alike. Coverage includes Overcoming the three leading causes of project failure: lack of user input, incomplete requirements and specifications, and poorly managed change Understanding each type of software requirement-how they interrelate, and what makes a good requirement Establishing a Requirements Management Plan that describes how requirements are created and handled throughout the project lifecycle Developing a Vision document that can drive your project from beginning to end Creating high-quality use cases Using requirements as the basis for system design Leveraging RequisitePro features for improved project management Integrating requirements management with the IBM Rational Unified Process Foreword xvii Preface xix Acknowledgments xxiii About the Author xxv Part I: Overview 1 Chapter 1: Requirements Management 3 Chapter 2: Overview of RequisitePro 23 Part II: Requirements Management Activities 33 Chapter 3: Establishing a Requirements Management Plan 35 Chapter 4: Setting up the Project 45 Chapter 5: Requirements Elicitation 63 Chapter 6: Developing a Vision Document 99 Chapter 7: Creating Use Cases 129 Chapter 8: Supplementary Specification 157 Chapter 9: Creating Test Cases from Use Cases 191 Chapter 10: Creating Test Cases from Supplementary Requirements 221 Chapter 11: Object-Oriented Design 243 Chapter 12: Documentation 273 Part III: Other Topics 285 Chapter 13: Managing Projects 287 Chapter 14: Requirements Management in the Rational Unified Process 295 Part IV: Review 311 Chapter 15: Summary 313 Appendix: Sample Requirements Management Plan 319 Index 327

WebSphere Application Server Administration Using Jython MC Press  
This is Volume I of the long-awaited second edition of the 'bible' and expert guide to deploying, using, and managing IBM DataPower Gateway Appliances. Updated for firmware v7.2. DataPower appliances can simplify deployment, strengthen security, enhance performance, and dramatically improve return on investment for many use cases, such as mobile, Web, API, legacy, cloud, and SOA/Web Services. In this book, a team of leading experts show how to make the most of DataPower appliances in any IT environment. The authors present DataPower information and insights that are available nowhere else. Writing for working architects, administrators, developers, and security specialists, they draw extensively on their deep experience, helping IBM customers use DataPower technologies to solve challenging system integration problems. The

Handbook begins by introducing the rationale for appliances and explaining how DataPower appliances work from network, security, and other perspectives. Next, the authors work through installation and configuration. This second edition contains invaluable new sections on virtual appliances, performance, the latest generation of hardware and firmware, as well as comprehensive updates to the first edition content. Subsequent volumes will dive deep into areas including network configuration, development, security, appliance management, and problem determination. An Introduction to IBM Rational Application Developer IBM Press A complete reference to the complex and multifaceted middleware that is WebSphere Application Server used by huge enterprises as well as small businesses. This guide covers not only installation and configuration but the critical verification and management process for ensuring successful installation and implementation. All of the different packages, from Express to Network, are addressed so that companies of all sizes will be able to successfully implement WebSphere Application Server V6. The steps involved in setting up a complete WebSphere Application Server installation are provided, and the configuration process for a highly available, workload-managed (HA/WLM), clustered environment built using the WebSphere V6 Network Deployment package is demonstrated. Also discussed are dynamic caching, security, Web service enablement, the Application Server Tool (AST) kit, and WebSphere Rapid Deployment (WRD). "

#### Performance Optimization and Tuning Techniques for IBM Power Systems Processors Including IBM POWER8 IBM Redbooks

The IBM Lotus Sametime 8.5.2 Administration Guide uses a practical, non-nonsense approach to give you the essential information you need. Using realistic scenarios, you learn how to configure and maintain your environment to meet your needs and take advantage of the flexibility offered in Sametime 8.5.2. If you are responsible for installing and administering Sametime 8.5.2, then this book is for you. If you're completely new to Sametime administration, this book will serve as your roadmap. If you're making the jump from a prior version of Sametime, then you'll see how Sametime 8.5.2 differs and how you work with the new configuration. Even if you already have Sametime 8.5.2 up and running, this guide will answer those questions you may still have of why and how the various server components work.

#### Digital Transformation and Modernization with IBM API Connect Prentice Hall PTR

The differences between well-designed security and poorly designed security are not always readily apparent. Poorly designed systems give the appearance of being secure but can over-authorize users or allow access to non-users in subtle ways. The problem is that poorly designed security gives a false sense of confidence. In some ways, it is better to knowingly have no security than to have inadequate security believing it to be stronger than it actually is. But how do you tell the difference? Although it is not rocket science, designing and implementing strong security requires strong foundational skills, some examples to build on, and the capacity to devise new solutions in response to novel challenges. This IBM® Redbooks® publication addresses itself to the first two of these requirements. This book is intended primarily for security specialists and IBM WebSphere® MQ administrators that are responsible for securing WebSphere MQ networks but other stakeholders should find the information useful as well. Chapters 1 through 6 provide a foundational background for WebSphere MQ security. These chapters take a holistic approach positioning WebSphere MQ in the context of a larger system of security controls including those of adjacent platforms' technologies as well as human processes. This approach seeks to eliminate the simplistic model of security as an island, replacing it instead with the model of security as an interconnected and living system. The intended audience for these chapters includes all stakeholders in the messaging system from architects and designers to developers and operations. Chapters 7 and 8 provide technical background to assist in preparing and configuring the scenarios and chapters 9 through 14 are the scenarios themselves. These chapters provide fully realized example configurations. One of the requirements for any scenario to be included was that it must first be successfully implemented in the team's lab environment. In addition, the advice provided is the cumulative result of years of participation in the online community by the authors and reflect real-world practices adapted for the latest security features in WebSphere MQ V7.1 and WebSphere MQ V7.5. Although these chapters are written with WebSphere MQ administrators in mind, developers, project leaders, operations staff, and architects are all stakeholders who will find the configurations and topologies described here useful. The third requirement mentioned in the opening paragraph was the capacity to devise new solutions in response to novel challenges. The only constant in the security field is that the technology is always changing. Although this book provides some configurations in a checklist format, these should be considered a snapshot at a point in time. It will be up to you as the security designer and implementor to stay current with security news for the products you work with and integrate fixes, patches, or new solutions as the state of the art evolves.

#### WebSphere Message Broker Basics IBM Press

MQ Telemetry Transport (MQTT) is a messaging protocol that is lightweight enough to be supported by the smallest devices, yet robust enough to ensure that important messages get to their destinations every time. With MQTT devices such as smart energy meters, cars, trains, satellite receivers, and personal health care devices can communicate with each other and with other systems or applications. This IBM® Redbooks® publication introduces MQTT and takes a scenario-based approach to demonstrate its capabilities. It provides a quick guide to getting started and then shows how to grow to an enterprise scale MQTT server using IBM WebSphere® MQ Telemetry. Scenarios demonstrate how to integrate MQTT with other IBM products, including WebSphere Message Broker. This book also provides typical usage patterns and guidance on scaling a solution. The intended audience for this book ranges from new users of MQTT and telemetry to those readers who

are looking for in-depth knowledge and advanced topics.

#### Requirements Management Using IBM Rational RequisitePro IBM Redbooks

This IBM Redbook provides students of information systems technology with the background knowledge and skills necessary to begin using the basic facilities of a mainframe computer. It is the first in a planned series of textbooks designed to introduce students to mainframe concepts and help prepare them for a career in large systems computing. For optimal learning, students are assumed to have successfully completed an introductory course in computer system concepts, such as computer organization and architecture, operating systems, data management, or data communications. They should also have successfully completed courses in one or more programming languages, and be PC literate. This textbook can also be used as a prerequisite for courses in advanced topics or for internships and special studies. It is not intended to be a complete text covering all aspects of mainframe operation, nor is it a reference book that discusses every feature and option of the mainframe facilities. Others who will benefit from this course include experienced data processing professionals who have worked with non-mainframe platforms, or who are familiar with some aspects of the mainframe but want to become knowledgeable with other facilities and benefits of the mainframe environment. As we go through this course, we suggest that the instructor alternate between text, lecture, discussions, and hands-on exercises. Many of the exercises are cumulative, and are designed to show the student how to design and implement the topic presented. The instructor-led discussions and hands-on exercises are an integral part of the course material, and can include topics not covered in this textbook. This book is also offered with a textbook cover instead of a redbook cover in PDF and hardcopy formats. Download PDF of book with textbook cover (6.0MB) Order hardcopy of book with textbook cover Note: The contents of the book are identical in both the textbook and redbook versions except for the covers.

#### Getting Started with IBM WebSphere Cast Iron Cloud Integration Packt Publishing

By using this innovative text, students will obtain an understanding of how contemporary operating systems and middleware work, and why they work that way.

#### Deployment Guide for InfoSphere Guardium IBM Press

IBM® WebSphere® Application Server V8.5 includes a Liberty profile, which is a highly composable, dynamic application server profile. It is designed for two specific use cases: Developers with a smaller production runtime, and production environments. For developers, it focuses on the tasks that a developer does most frequently, and makes it possible for the developer to complete those tasks as quickly and as simply as possible. For production environments, it provides a dynamic, small footprint runtime to be able to maximize system resources. This IBM Redbooks® publication targets administrators of Liberty environments. It provides the information needed to create, configure, and manage Liberty servers. It includes information about managing multiple servers in an installation, including the use of the new administrative capabilities introduced in WebSphere Application Server V8.5.5.7. The following publications are companion publications for this book: WebSphere Application Server: New Features in V8.5.5, REDP-4870 WebSphere Application Server V8.5.5 Technical Overview, REDP-4855 IBM WebSphere Application Server V8.5 Concepts, Planning, and Design Guide, SG24-8022 WebSphere Application Server Liberty Profile Guide for Developers, SG24-8076 WebSphere Studio Application Developer 5.0 IBM Press Learn SAS(R) administration from the ground up! Those who are new to SAS platform administration may find themselves full of questions. SAS(R) Administration from the Ground Up: Running the SAS(R)9 Platform in a Metadata Server Environment will save you time, money and frustration. This book walks the reader through setting up and maintaining a SAS platform from scratch. The author includes tips on best practices and troubleshooting to show you simple ways to streamline your SAS environment and make your work more manageable. Written for both new administrators and seasoned professionals, this book covers: SAS(R) 9.4 architecture SAS administration tools such as SAS(R) Management Console, SAS(R) Environment Manager and SAS(R) Deployment Manager Users, groups, and roles Metadata library administration Security Also included is a master administration checklist, with helpful resources provided for each task.

#### IBM WebSphere Application Server 8.0 Administration Guide IBM Redbooks

This IBM® Redbooks® publication provides system administrators and developers with the knowledge to configure an IBM WebSphere® Application Server Version 8 runtime environment, to package and deploy applications, and to perform ongoing management of the WebSphere environment. As one in a series of IBM Redbooks publications and IBM Redpapers publications for V8, the entire series is designed to give you in-depth information about key WebSphere Application Server features. In this book, we provide a detailed exploration of the WebSphere Application Server V8 runtime administration process. This book includes configuration and administration information for WebSphere Application Server V8 and WebSphere Application Server Network Deployment V8 on distributed platforms and WebSphere Application Server for z/OS® V8. The following publications are prerequisites for this book: WebSphere Application Server V8.0 Technical Overview, REDP-4756 IBM WebSphere Application Server V8 Concepts, Planning, and Design Guide, SG24-7957

#### Customizing and Extending IBM Content Navigator McGraw-Hill Companies

The IBM® Midmarket Software Buying and Selling Guide is tailored specifically to help the management and IT staff of small and midsized businesses evaluate how the IBM midmarket portfolio can provide simple and cost-effective solutions to common business problems. Along with a midmarket customer focus, this IBM Redpaper™ publication is designed to help IBM teams and Business Partners be more effective in serving small and midsized businesses. We illustrate how IBM software for the midmarket can help businesses use the Web to reduce expenses, improve customer service, and expand into new markets. We cover the IBM software offering for the midmarket, which includes what the software does, the platforms it runs on, where to find more information, and how it can help your business become more profitable: - IBM Business Partners often keep a printed copy of this guide in their briefcases for software references - Customers can view this guide online and look up software-

value messages and IBM product family offering comparisons - IBM Sales Representatives can print parts of this guide as "leave-behinds" for customers, to give them extra collateral on midmarket software of interest To make sure that you have the latest version of this guide, download it from this web address:

<http://www.redbooks.ibm.com/abstracts/redp3975.html?Open>  
Developing Web Services for Web Applications IBM Press CD-ROM contains: evaluation version of WebSphere application server, standard ed.; entry version of VisualAge for Java, version 3.0; entry version of WebSphere Studio, version 3.0.

#### The IBM Style Guide Apress

Covers integration of WSAD with WebSphere MQ (MQSeries), which allows the enterprise application to connect to a legacy data-critical information for any enterprise developer and not available elsewhere Teaches development of JMS Point-to-Point and Publish/Subscribe applications Provides in-depth discussion of pattern development, and includes tips and best practices WebSphere Studio Application Developer 5.0: Practical J2EE Development covers the latest release of the IBM's J2EE 1.3 development tool, WebSphere Studio Application Developer (WSAD 5.0). The book provides a practical, step-by-step approach on how to use WSAD 5.0 for developing J2EE 1.3 distributed applications. Expert author Igor Livshin walks you through the detailed development process of working examples of J2EE 1.3 applications, including their deployment on the WebSphere Application Server (WAS 5.0).

#### IBM DataPower Handbook Vervante

IBM® InfoSphere® Guardium® provides the simplest, most robust solution for data security and data privacy by assuring the integrity of trusted information in your data center. InfoSphere Guardium helps you reduce support costs by automating the entire compliance auditing process across heterogeneous environments. InfoSphere Guardium offers a flexible and scalable solution to support varying customer architecture requirements. This IBM Redbooks® publication provides a guide for deploying the Guardium solutions. This book also provides a roadmap process for implementing an InfoSphere Guardium solution that is based on years of experience and best practices that were collected from various Guardium experts. We describe planning, installation, configuration, monitoring, and administering an InfoSphere Guardium environment. We also describe use cases and how InfoSphere Guardium integrates with other IBM products. The guidance can help you successfully deploy and manage an IBM InfoSphere Guardium system. This book is intended for the system administrators and support staff who are responsible for deploying or supporting an InfoSphere Guardium environment.