

# WebSphere Application Server Administration Using Jython 1st Edition By Gibson Robert A Mcgrath Arthur Kevin Bergman Noel J 2009 Hardcover

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We manage to pay for you this proper as without difficulty as simple exaggeration to get those all. We present WebSphere Application Server Administration Using Jython 1st Edition By Gibson Robert A Mcgrath Arthur Kevin Bergman Noel J 2009 Hardcover and numerous book collections from fictions to scientific research in any way. among them is this WebSphere Application Server Administration Using Jython 1st Edition By Gibson Robert A Mcgrath Arthur Kevin Bergman Noel J 2009 Hardcover that can be your partner.

Getting Started with WebSphere Application Server Feature Pack for Service Component Architecture Carla Sadtler 2010-03-24 Service Component Architecture (SCA) defines a service-based model for building business process applications using an SOA approach. This ability to drive a business process using individual, reusable services is the heart of the SOA concept. With IBM® WebSphere® Application Server Feature Pack for Service Component Architecture, you can deploy SCA applications to WebSphere Application Server. This IBM Redpaper™ publication provides a starting point for using the Feature Pack for SCA. It provides an architectural view of SCA and of the Feature Pack. In addition, this paper explains how to create simple SCA components from existing Java™ and Spring implementations. It discusses how to apply quality of service to applications, and how to deploy and manage SCA artifacts in WebSphere Application Server. The examples in this paper use Rational® Application Developer to illustrate how to create and package SCA applications.

Workload Optimized Systems: Tuning POWER7 for Analytics Dino Quintero 2013-04-14 This IBM® Redbooks® publication addresses topics to help clients to take advantage of the virtualization strengths of the POWER® platform to solve system resource utilization challenges and maximize system throughput and capacity. This publication examines the tools, utilities, documentation, and other resources available to help technical teams provide business solutions and support for Cognos® Business Intelligence (BI) and Statistical Package for the Social Sciences (SPSS®) on Power Systems™ virtualized environments. This book addresses topics to help address complex high availability requirements, help maximize the availability of systems, and provide expert-level documentation to the worldwide support teams. This book strengthens the position of the Cognos and SPSS solutions with a well-defined and documented deployment model within a POWER system virtualized environment. This model provides clients with a planned foundation for security, scaling, capacity, resilience, and optimization. This book is targeted toward technical professionals (BI consultants, technical support staff, IT Architects, and IT Specialists) who are responsible for providing Smart Analytics solutions and support for Cognos and SPSS on Power Systems.

IBM Intelligent Operations Center V1.5 to V1.6 Migration Guide Sriram Balakrishnan 2014-05-09 IBM® Intelligent Operations Center is an integrated solution, and a continually evolving platform and set of capabilities. The platform grows as the

capabilities increase over time, and new interfaces and integration points are introduced in each release. The purpose of this IBM Redbooks® publication is to guide planners, architects, and implementers through the options that they have, to take advantage of the new capabilities and maximize the benefits of moving to the new release. This book considers what has already been deployed with IBM Intelligent Operations Center V1.5, the benefits of the new version (IBM Intelligent Operations Center V1.6.0.1), and the best way to take advantage of the new capabilities as you transition. IBM Intelligent Operations Center has several integration and extension points for the previous and current versions of the product, which points are documented and described in this book. This IBM Redbooks publication describes options and considerations for the best way to migrate customizations and benefit from the new architecture. Thorough details about the differences between the prior and new versions of the product are provided, to enable a clear understanding of migration choices, options, and preferred practices. This book includes descriptions of the trade-offs for each migration option, and in-depth information about data flows, available tools, and scripting changes that might affect existing IBM Intelligent Operations Center installations. This book is targeted to the following audiences: Line of business managers or stakeholders who are interested in understanding the new features in IBM Intelligent Operations Center V1.6, and who are looking for information about how to plan the migration of their current IBM Intelligent Operations Center V1.5 environments. Architects who need to understand the effect that IBM Intelligent Operations Center V1.6 will have on the architecture of IBM Intelligent Operations Center V1.5 solutions. IT specialists and product specialists who are responsible for implementing the migration of a solution based on IBM Intelligent Operations Center V1.5 to a V1.6 solution. Readers of this book will benefit from the IBM Redbooks publication IBM Intelligent Operations Center 1.6 Programming Guide, SG24-8201.

z/OS: WebSphere Business Process Management V7 Production Topologies Martin Keen 2010-06-07 In this IBM® Redbooks® publication, we address the configuration, administration, and security of the key runtime environments in business process management: WebSphere® Process Server V7.0 and WebSphere Business Services Fabric V7.0 for z/OS®. This book provides detailed guidance to z/OS system and database administrators who want to configure WebSphere Business Process Management production topologies. We introduce production topology concepts and terminology

and explore the differences between production topologies on distributed platforms and z/OS. Through a series of step-by-step instructions, you will learn how to create and verify a production topology environment for WebSphere Process Server V7 for z/OS. We extend the production topology concept for WebSphere Process Server by describing step-by-step how to add WebSphere Business Services Fabric V7 for z/OS into the topology. You also get problem diagnosis and prevention guidance to use when you create your own production topologies. A separate publication that covers distributed platforms is also available: "WebSphere Business Process Management V7 Production Topologies," SG24-7854.

*WebSphere Application Server V8: Administration and Configuration Guide* Martin Bentancour 2011-11-22 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

*Oracle WebLogic Server 11g Administration Handbook* Sam R. Alapati 2011-09-22 Master the Configuration and Administration of Oracle WebLogic Server 11g Oversee a robust, highly available environment for your mission-critical applications using the expert information in this Oracle Press guide. Oracle WebLogic Server 11g Administration Handbook explains the latest management techniques for the de facto application server for Oracle Fusion Middleware 11g> and provides detailed examples and best practices. Find out how to use the Oracle WebLogic Server Administration Console feature, employ command-line and scripting tools, implement failover and migration capabilities, and generate reliable backups. Troubleshooting, tuning, and security procedures are also covered in this comprehensive resource. Install Oracle WebLogic Server 11g or upgrade from a previous version Configure domains, servers, clusters, custom networks, and virtual hosts Work with the Administration Console and Monitoring Dashboard features of Oracle WebLogic Server Use the WebLogic Scripting Tool (WLST) feature of Oracle WebLogic Server to manage and monitor domains Use the Oracle WebLogic Server Work Managers feature to optimize scheduled work Deploy Web applications, Enterprise JavaBeans, and Java EE modules Improve scalability and reliability using Oracle WebLogic Server clusters Monitor servers, tune the Java Virtual Machine, maximize throughput, and optimize performance Authenticate, authorize, and map users within defined security realms

**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/>

**WebSphere Application Server Administration Using Jython (Paperback)** Gibson 2009-10 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 runtime 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

*Client-Server Web Apps with JavaScript and Java* Casimir Saternos 2014-03-28 As a Java programmer, how can you tackle the disruptive client-server approach to web development? With this comprehensive guide, you'll learn how today's client-side technologies and web APIs work with various Java tools. Author Casimir Saternos provides the big picture of client-server development, and then takes you through many practical client-server architectures. You'll work with hands-on projects in

several chapters to get a feel for the topics discussed. User habits, technologies, and development methods have drastically altered web app design in recent years. But the Web itself hasn't changed. This book shows you how to build apps that conform to the web's underlying architecture. Learn the advantages of using separate client and server tiers, including code organization and speedy prototyping Explore the major tools, frameworks, and starter projects used in JavaScript development Dive into web API design and REST style of software architecture Understand Java's alternatives to traditional packaging methods and application server deployment Build projects with lightweight servers, using jQuery with Jython, and Sinatra with Angular Create client-server web apps with traditional Java web application servers and libraries

**IBM WebSphere Application Server V7.0 Security** Omar Siliceo 2011-02-23 Secure your IBM WebSphere applications with Java EE and JAAS security standards using this book and eBook

*Rational Application Developer V7 Programming Guide* Ueli Wahli 2008-03-27 IBM® Rational® Application Developer for WebSphere® Software V7.0 (for short, Rational Application Developer) is the full function Eclipse 3.2 based development platform for developing Java™ 2 Platform Standard Edition (J2SE™ ) and Java 2 Platform Enterprise Edition (J2EE™ ) applications with a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including Web developers, Java developers, business analysts, architects, and enterprise programmers. Rational Application Developer is part of the IBM Rational Software Delivery Platform (SDP), which contains products in four life cycle categories: - Architecture management, which includes integrated development environments (Application Developer is here) - Change and release management - Process and portfolio management - Quality management This IBM Redbooks® publication is a programming guide that highlights the features and tooling included with Rational Application Developer V7.0. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications, as well as achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V6 Programming Guide, SG24-6449. This book consists of six parts: - Introduction to Rational Application Developer - Develop applications - Test and debug applications - Deploy and profile applications - Team development - Appendixes

**Scripting in Java** Dejan Bosanac 2007-08-09 Groovy and Beyond: Leverage the Full Power of Scripting on the Java™ Platform! Using the Java™ platform's new scripting support, you can improve efficiency, streamline your development processes, and solve problems ranging from prototyping to Web application programming. In Scripting in Java, Dejan Bosanac covers key aspects of scripting with Java, from the exciting new Groovy scripting language to Java's new Scripting and Web Scripting APIs. Bosanac begins by reviewing the role and value of scripting languages, and then systematically introduces today's best scripting solutions for the Java platform. He introduces Java scripting frameworks, identifies proven patterns for integrating scripting into Java applications, and presents practical techniques for everything from unit testing to project builds. He supports key concepts with extensive code examples that demonstrate scripting at work in real-world Java projects. Coverage includes · Why scripting languages offer surprising value to Java programmers · Scripting languages that run inside the JVM: BeanShell, JavaScript, and Python · Groovy in depth: installation, configuration, Java-like syntax, Java integration, security, and more · Groovy

extensions: accessing databases, working with XML, and building simple Web applications and Swing-based UIs · Bean Scripting Framework: implementation, basic abstractions, and usage examples · Traditional and new patterns for Java-based scripting · JSR 223 Scripting API: language bindings, discovery mechanisms, threading, pluggable namespaces, and more · JSR 223 Web Scripting Framework: scripting the generation of Web content within servlet containers About the Web Site All code examples are available for download at this book's companion Web site.

Adopting IBM PureApplication System V1.0 Shivaji D Bhosale 2013-12-11 This IBM® Redbooks® publication introduces users to the concepts of the IBM PureApplication™ System V1.0. This book covers the most common problems, solutions, best practices, and use cases about adopting the IBM PureApplication System V1.0. The target audience for this book is anyone from the IT industry who wants to acquire a better understanding of IBM PureApplication System, including technical consultants, business partners, and independent software vendors who are considering migrating to a cloud computing solution. This book also is applicable to system administrators, middleware specialists, and software engineers who need a more in-depth approach to PureApplication System features and capabilities.

**WebSphere Application Server 7.0 Administration Guide** Steve Robinson 2009-08-13 Manage and administer your WebSphere application server to create a reliable, secure, and scalable environment for running your applications with this book and eBook.

*WebSphere Application Server V7: Competitive Migration Guide* Santos Bento da Silva Joao Emilio 2010-08-20 This IBM® Redbooks® publication helps you plan and execute the migration of J2EE applications developed for Oracle WebLogic Server, JBoss, GlassFish, and Apache Tomcat, so that they run on WebSphere® Application Server V7. This book provides detailed information to plan migrations, suggested approaches for developing portable applications, and migration working examples for each of the platforms from which we migrated. It is not our intention to provide a feature-by-feature comparison of these application servers versus WebSphere Application Server V7, or to argue the relative merits of the products, but to produce practical technical advice for developers who have to migrate applications from these vendors to WebSphere Application Server V7. The book is intended as a migration guide for IT specialists who are working on migrating applications written for other application servers to WebSphere Application Server V7.

**WebSphere Application Server V7 Messaging Administration Guide** Carla Sadtler 2005\* *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.

*IBM Smart Analytics Cloud* Lydia Parziale 2010-09-30 This IBM Redbooks® publication presents a Smart Analytics Cloud. The IBM Smart Analytics Cloud is an IBM offering to enable delivery of business intelligence and analytics at the customer location in a private cloud deployment. The offering leverages a combination of IBM hardware, software and services to offer customers a complete solution that is enabled at their site. In this publication, we provide the background and product

information for decision-makers to proceed with a cloud solution. The content ranges from an introduction to cloud computing to details about our lab implementation. The core of the book discusses the business value, architecture, and functionality of a Smart Analytics Cloud. To provide deeper perspective, documentation is also provided about implementation of one specific Smart Analytics Cloud solution that we created in our lab environment. Additionally, we also describe the IBM Smart Analytics Cloud service offering that can help you create your own Smart Analytics cloud solution that is tailored to your business needs.

**WebSphere Application Server V8.5 Concepts, Planning, and Design Guide** Carla Sadtler 2013-08-01 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.

**Creating Smart Virtual Appliances with IBM Image Construction and Composition Tool** Greg Hurlebaus 2013-07-24 In a traditional deployment model, software is installed on a physical server, and it is configured for the particular data center environment. The cloud deployment model requires that the dependency on a specific hardware configuration is severed. This IBM® Redbooks® publication guides you through the transition from the traditional application deployment model to the cloud-friendly deployment model. It explains how to achieve these goals by packaging the software stacks into industry standard virtual appliances. A key part of this transition involves using the IBM Image Construction and Composition Tool. This tool is the IBM tool for creating virtualized workloads that target several private cloud deployment platforms, including platforms from IBM and not from IBM. In fact, this tool is unique in its ability to support such a wide range of cloud offerings. It is also the only tool in the marketplace that can create virtual appliances for both x86 and IBM Power hardware architectures. This book provides an in-depth look at the capabilities and internal workings of Image Construction and Composition Tool. It focuses on the capabilities of this tool, which target the virtualization and cloud offerings of IBM Systems and Technology Group. These offerings include IBM Systems Director VMControl™, IBM SmartCloud® Entry, and IBM PureFlex™ System with IBM Flex System Manager™ appliance. The Image Construction and Composition Tool also has a much richer set of capabilities. Specifically, it supports IBM Workload Deployer, IBM PureApplication™ Systems, and IBM SmartCloud Provisioning. This publication targets software architects, cloud solutions architects, and cloud administrators. Its goal is to provide you with the expert-level skills required to package the existing and newly created applications into self-configurable, smart virtual appliances. Related publication: Smart Virtual Appliances Made Easy with IBM Image Construction and Composition Tool, TIPS1037

**Application Development for IBM CICS Web Services** O'Grady James 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.

**IBM WebSphere Application Server V8.5 Administration and Configuration Guide for Liberty Profile** Anil Esen 2015-10-26 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 Application Server V7 Administration and Configuration Guide** Carla Sadtler 2013-06-12 This IBM® Redbooks® publication provides system administrators and developers with the knowledge to configure a WebSphere® Application Server V7 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 Redpapers™ publications for V7, 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 V7 runtime administration process. The book includes configuration and administration information for WebSphere Application Server V7 and WebSphere Application Server Network Deployment V7 on distributed platforms and WebSphere Application Server for z/OS® V7. The following publications are considered prerequisites to this book: - WebSphere Application Server V7.0: Technical Overview, REDP-4482 - WebSphere Application Server V7: Concepts, Planning and Design, SG24-7708

*The British National Bibliography* Arthur James Wells 2009

Pragmatic Project Automation Mike Clark 2004 Forget wizards, you need a slave-- someone to do your repetitive, tedious and boring tasks, without complaint and without pay, so you'll have more time to design and write exciting code. Indeed, that's what computers are for. You can enlist your own computer to automate all of your project's repetitive tasks, ranging from individual builds and running unit tests through to full product release, customer deployment, and monitoring the system. Many teams try to do these tasks by hand. That's usually a really bad idea: people just aren't as good at repetitive tasks as machines. You run the risk of doing it differently the one time it matters, on one machine but not another, or doing it just plain wrong. But the computer can do these tasks for you the same way, time after time, without bothering you. You can transform these labor-intensive, boring and potentially risky chores into automatic, background processes that just work. In this eagerly anticipated book, you'll find a variety of popular, open-source tools to help automate your project. With this book, you will learn: How to make your build processes accurate, reliable, fast, and easy. How to build complex systems at the touch of a button. How to build, test, and release software automatically, with no human intervention. Technologies and tools available for automation: which to use and when. Tricks and tips from the masters (do you know how to have your cell phone tell you that your build just failed?) You'll find easy-to-implement recipes to automate your Java project, using the same popular style as the rest of our Jolt Productivity Award-winning Starter Kit books. Armed with plenty of examples and concrete, pragmatic advice, you'll find it's easy to get started and reap the benefits of modern software development. You can begin to enjoy pragmatic, automatic, unattended software production that's reliable and accurate every time.

Virtualization with IBM Workload Deployer: Designing and Deploying Virtual Systems Carla Sadtler 2011-11-10 The IBM® Workload Deployer appliance provides a solid foundation for private cloud strategy, enabling the rapid adoption and deployment of both infrastructure and platform as a Service offering. The IBM Workload Deployer uses the concept of patterns to describe the logical configuration of both the physical and virtual assets that comprise a particular solution. The use of patterns allows an organization to construct an individual element or integrated solution one time, and then dispense the final product on demand. Virtual system patterns are comprised of an operating system and IBM software solutions, such as WebSphere® Application Server and WebSphere Virtual Enterprise. Virtual application patterns are constructed to support a single application workload. This book focuses on the virtual systems capability of the IBM Workload Deployer and specifically addresses the process of building customized virtual systems that go beyond the standard capabilities of the virtual images available with the product. The book starts by describing private clouds and how they can benefit your business. It introduces the IBM Workload Deployer and its capabilities, and then talks about the various tools that you can use to enhance the process of planning, customizing, and automating virtual system deployment. A sample is used to illustrate how the standard virtual images that are available for the IBM Workload Deployer can be customized for a robust solution that includes dynamic workload management, high-performing data caching, and monitoring of system state. The book then discusses how you can use the IBM Workload Deployer to facilitate the progression of an application through its lifecycle. Finally, an overview is provided of the troubleshooting capabilities that come with the IBM Workload Deployer.

**Rational Application Developer for WebSphere Software V8 Programming Guide** Martin

Keen 2011-04-19 IBM® Rational® Application Developer for WebSphere® Software V8 is the full-function Eclipse 3.6 technology-based development platform for developing Java™ Platform, Standard Edition Version 6 (Java SE 6) and Java Platform, Enterprise Edition Version 6 (Java EE 6) applications. Beyond this function, Rational Application Developer provides development tools for technologies, such as OSGi, Service Component Architecture (SCA), Web 2.0, and XML. It has a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including web developers, Java developers, business analysts, architects, and enterprise programmers. This IBM Redbooks® publication is a programming guide that highlights the features and tooling included with Rational Application Developer V8.0.1. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications and achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V7.5 Programming Guide, SG24-7672. *WebSphere Application Server Administration Using Jython* Robert A. Gibson 2009-10-18 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

**Building IBM Business Process Management Solutions Using WebSphere V7 and Business Space** Martin Keen 2011-01-17 IBM® Business Space powered by IBM WebSphere® is a common user interface framework for aggregating content and delivering it via a browser. A is a collection of related Web content that provides you with insight into your business. Part 1 of this IBM Redbooks® publication introduces Business Space and provides Business Process Management (BPM) usage patterns for it. Part 2 of this book use a fictional business scenario to show how business space widgets can be used to solve a variety of business problems, using products such as IBM WebSphere Process Server, IBM WebSphere Enterprise Service Bus, IBM WebSphere Business Monitor, IBM WebSphere Business Compass, and IBM WebSphere Business

Services Fabric. Part 3 shows how to build custom Business Space widgets, and how to build clients and servers for these custom widgets. This book addresses Business Space powered by IBM WebSphere Version 7.0.

**WebSphere Business Process Management V7 Production Topologies** Martin Keen 2010-05-11 This IBM® Redbooks® publication describes how to build production topologies for Business Process Management (BPM) solutions. It is aimed at IT Architects and IT Specialists who want to understand and implement these topologies. Use this book to select the appropriate production topologies for a given environment, then follow the step-by-step instructions included in this book to build these topologies. You must have a high-level understanding of WebSphere Business Process Management products to get the most out of this book. This book addresses the following WebSphere® products: WebSphere Process Server V7 WebSphere Business Monitor V7 WebSphere Business Services Fabric V7 WebSphere Enterprise Service Bus V7 WebSphere Business Compass V7 Part 1, "Overview" on page 1, introduces the BPM products that we discuss and provides an overview of basic topology terminology. This part also provides an overview of the production topologies that we describe in this book, including a selection criteria for when to select each topology. Part 2, "Building production topologies" on page 53, provides a series of step-by-step instructions for creating production topology environments using deployment environment patterns. We describe topologies using the Integrated Solutions Console and a command-line interface.

**Rational Application Developer V7.5 Programming Guide** Ueli Wahli 2009-06-29 IBM® Rational® Application Developer for WebSphere® Software v7.5 (Application Developer, for short) is the full function Eclipse 3.4 based development platform for developing Java™ Standard Edition Version 6 (Java SE 6) and Java Enterprise Edition Version 5 (Java EE 5) applications with a focus on applications to be deployed to IBM WebSphere Application Server and IBM WebSphere Portal. Rational Application Developer provides integrated development tools for all development roles, including Web developers, Java developers, business analysts, architects, and enterprise programmers. Rational Application Developer is part of the IBM Rational Software Delivery Platform (SDP), which contains products in four life cycle categories: - Architecture management, which includes integrated development environments - Change and release management - Process and portfolio management - Quality management This IBM Redbooks™ publication is a programming guide that highlights the features and tooling included with Rational Application Developer v7.5. Many of the chapters provide working examples that demonstrate how to use the tooling to develop applications, as well as achieve the benefits of visual and rapid application development. This publication is an update of Rational Application Developer V7 Programming Guide, SG24-7501.

**IBM WebSphere** Roland Barcia 2010-08-13

**WebSphere Application Server for Developers V7** Michael Cheng 2010-11-19 This IBM® Redbooks® publication can help you install, tailor, and configure WebSphere® Application Server for Developers V7 on the Microsoft® Windows® platform. WebSphere Application Server for Developers is a no-charge version of WebSphere Application Server for use in a development environment only. It allows application developers to develop and unit test against the same run time as the production version of WebSphere Application Server. This book tells you how to perform these tasks: Download and install WebSphere Application Server for Developers V7. Use the command-line tools, web-based administrative console, and scripting tools. Deploy a web application with Java™ Database Connectivity (JDBC) to the application server with the first version of a sample application.

Configure the sample application with Enterprise JavaBeans 3 (EJB3) and Java Persistence API (JPA). Add Java Message Service (JMS) and message-driven beans (MDBs) to the sample application and configure the built-in system integration bus (SIBus) messaging infrastructure. Add Representational State Transfer (RESTful) web service to the sample application. Incorporate WebSphere-specific application bindings files with the application. Enable debugging and produce and analyze JVM outputs. Learn how to use Eclipse to view and debug the sample applications.

**Aligning MDM and BPM for Master Data Governance, Stewardship, and Enterprise Processes** Chuck Ballard 2013-03-08 An enterprise can gain differentiating value by aligning its master data management (MDM) and business process management (BPM) projects. This way, organizations can optimize their business performance through agile processes that empower decision makers with the trusted, single version of information. Many companies deploy MDM strategies as assurances that enterprise master data can be trusted and used in the business processes. IBM® InfoSphere® Master Data Management creates trusted views of data assets and elevates the effectiveness of an organization's most important business processes and applications. This IBM Redbooks® publication provides an overview of MDM and BPM. It examines how you can align them to enable trusted and accurate information to be used by business processes to optimize business performance and bring more agility to data stewardship. It also provides beginning guidance on these patterns and where cross-training efforts might focus. This book is written for MDM or BPM architects and MDM and BPM architects. By reading this book, MDM or BPM architects can understand how to scope joint projects or to provide reasonable estimates of the effort. BPM developers (or MDM developers with BPM training) can learn how to design and build MDM creation and consumption use cases by using the MDM Toolkit for BPM. They can also learn how to import data governance samples and extend them to enable collaborative stewardship of master data.

**Jython for Java Programmers** Robert W. Bill 2002 Build Java-based Web applications with increased speed and salability using Jython. This book helps Java developers increase application development and deployment. A brief introduction is provided that shows the differences between Java and Jython.

**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.

**Modernizing Applications with WebSphere eXtended Transaction Runtime** John Kurian 2012-11-28 IBM® WebSphere eXtended Transaction Runtime V2.1 is an addition to the IBM Transaction Processing capabilities. This product provides a fast, scalable, and reliable transaction processing experience. Many customers have invested much time and effort in the development of business logic in CICS® style COBOL and C applications and are looking to unlock the value of those applications and extend

them by using Java EE. This paper helps you explore this product and provides information that helps you host your CICS style COBOL and C applications on a WebSphere platform. This paper also provides you with a detailed step-by-step approach for modernizing your existing Tuxedo-based applications through a migration to WXTR. This paper is intended for developers and architects who want to extend and reuse their CICS style COBOL and C applications.

The Definitive Guide to Jython Josh Juneau 2010-12-28 Jython is an open source implementation of the high-level, dynamic, object-oriented scripting language Python seamlessly integrated with the Java platform. The predecessor to Jython, JPython, is certified as 100% Pure Java. Jython is freely available for both commercial and noncommercial use and is distributed with source code. Jython is complementary to Java. The Definitive Guide to Jython, written by the official Jython team leads, covers Jython 2.5 (or 2.5.x)—from the basics to more advanced features. This book begins with a brief introduction to the language and then journeys through Jython's different features and uses. The Definitive Guide to Jython is organized for beginners as well as advanced users of the language. The book provides a general overview of the Jython language itself, but it also includes intermediate and advanced topics regarding database, web, and graphical user interface (GUI) applications; Web services/SOA; and integration, concurrency, and parallelism, to name a few.

*WebSphere Application Server V7 Migration Guide* Rufus Credle 2010-05-25 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.

**IBM WebSphere System Administration** Leigh Williamson 2005 Make the most of completely revamped administration tools in WebSphere Version 5 IBM WebSphere Version 5 offers a completely rewritten, radically improved infrastructure for administering servers and applications. Now, its creators have written the definitive WebSphere Version 5 administration reference and tutorial: everything you need to manage WebSphere to the highest levels of performance and efficiency. The authors systematically cover all four WebSphere administration toolsets: command-line utilities, the new Administrative Console, scripting tools, and Java management APIs. You'll find a complete library of code examples, plus powerful new insider's tips for maximizing your productivity as a WebSphere administrator. Whether you're managing WebSphere Version 5 or incorporating administrative support into new WebSphere applications, this book provides you with the techniques, examples, and tips you need to do it right. Fundamentals of WebSphere administration: servers, nodes, node agents, cells, clusters, and the deployment manager Revamped package structure of WebSphere Version 5 and its implications Process internals, distributed administration features, administrative security, and XML configuration file structure Command-line tools: a complete reference with practical examples Web-based graphical management with the new Administrative Console Scripting the management features of WebSphere Version 5 with wsadmin Writing custom management programs Extending the native WebSphere administrative system with new managed options Using Java administrative APIs to manage WebSphere applications from other products Sum Includes extensive code examples, real-world scenarios, and best practices