

## Using Ibm Websphere Application Server And Ibm Confex

Build scalable, high-performance software with IBM's WebSphere eXtreme Scale 6 data grid with this book and eBook.

· 226 IBM WebSphere Application Server Interview Questions · 78 HR Interview Questions · Real life scenario based questions · Strategies to respond to interview questions · 2 Aptitude Tests IBM WebSphere Application Server Interview Questions You'll Most Likely Be Asked is a perfect companion to stand ahead above the rest in today's competitive job market. Rather than going through comprehensive, textbook-sized reference guides, this book includes only the information required immediately for job search to build an IT career. This book puts the interviewee in the driver's seat and helps them steer their way to impress the interviewer. Includes: a) 226 IBM WebSphere Application Server Interview Questions, Answers and proven strategies for getting hired as an IT professional b) Dozens of examples to respond to interview questions c) 78 HR Questions with Answers and proven strategies to give specific, impressive, answers that help nail the interviews d) 2 Aptitude Tests download available on [www.vibrantpublishers.com](http://www.vibrantpublishers.com)

Architect IBM® WebSphere® Applications for Maximum Performance, Security, Flexibility, Usability, and Value Successful, high-value WebSphere applications begin with effective architecture. Now, one of IBM's leading WebSphere and WebSphere Portal architects offers a hands-on, best-practice guide to every facet of defining, planning, and implementing WebSphere application architectures. Joey Bernal shows working architects and teams how to define layered architectural standards that can be used across the entire organization, improving application quality without compromising flexibility. Bernal begins by illuminating the role of architecture and the responsibilities of the architect in WebSphere applications and SOA environments. Next, he introduces specific architectural techniques for addressing persistence, application performance, security, functionality, user interaction, and much more. Bernal presents a series of sample architectures drawn from his work with several leading organizations, demonstrating how architectures can evolve to support new layers and changing business requirements. Throughout, his techniques are specific enough to address realistic enterprise challenges, while still sufficiently high-level to be useful in diverse and heterogeneous environments. Coverage includes • Choosing persistence frameworks that serve business requirements without excessive complexity • Avoiding persistence-related problems with performance, security, or application functionality • Designing and deploying effective middle layers and dependent libraries within WebSphere Application Server • Using WebSphere mechanisms and architectural techniques to avoid common security attacks such as SQL injection • Improving performance with WebSphere Application Server caching, including Distributed Maps and Servlet/JSP fragment caching • Using presentation frameworks to provide fast, robust, and attractive user interaction • Incorporating portals that provide a standardized framework for merging multiple applications Joey Bernal is an Executive IT Specialist with IBM Software Services for Lotus. Senior Certified with IBM as an IT Specialist, he has an extensive background in designing and developing Web and Portal Applications. He often leads IBM teams that have assisted dozens of clients in leveraging WebSphere Portal to address architecture, design, and implementation challenges. A frequent speaker on WebSphere and portal topics, Bernal is coauthor of Programming Portlets, and hosts the developerWorks blog: WebSphere Portal in Action. Prior to joining IBM, he was Director of IT for an incentive and performance improvement company, and served as lead technical advisor and architect for high-profile Internet and intranet applications at several Fortune 500 companies. You can also visit the author's Web site at [www.bernal.net](http://www.bernal.net). The IBM Press developerWorks® Series is a unique undertaking in which print books and the Web are mutually supportive. The publications in this series are complemented by resources on the developerWorks Web site on [ibm.com](http://ibm.com). Icons throughout the book alert the reader to these valuable resources.

Pro (IBM) WebSphere Application Server 7 Internals covers the internal architecture and implementation of the WebSphere Application Server (WAS) version 7 product set and how other IBM products extend it. It presents information to enable administrators, developers, and architects to learn about the aspects of WAS that apply to them: Administrators will come to understand how the WAS7 environment functions to best optimize it for their environment, and what to do when things go wrong. Developers will learn to extend the functionality in the base WAS product. Architects will see how the WAS product underpins the IBM offerings to fit in an enterprise.

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).

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 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.

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

This IBM® Redbooks® publication explains the capabilities of IBM WebSphere® Application Server Liberty profile (Liberty profile), which is lightweight, easy to install, and fast to use. Liberty profile provides a convenient and capable platform for developing and testing your web and OSGi applications. The Liberty profile server is built by using OSGi technology and concepts. The fit-for-purpose nature of the run time relies on the dynamic behavior that is inherent in the OSGi framework and service registry. As bundles are installed or uninstalled from the framework, their services are automatically added or removed from the service registry. The result is a dynamic, composable run time that can be provisioned with only what your application requires and responds dynamically to configuration changes as your application evolves. This book can help you install, customize, and configure several popular open source technologies that can be deployed effectively with the Liberty profile server. The following popular open source toolkits for the Liberty profile server were selected for this book based on the significant enhancements they provide to the web application development process: Apache Maven Spring Framework Hibernate Jenkins Opscode Chef Arquillian MongoDB In this book, the Todo sample demonstrates the use of multiple open source frameworks or toolkits with the Liberty profile server, including Maven, MongoDB, Spring, JPA, Arquillian, Wicket, and others. The Todo sample is a simple application that can be used to create, update, and delete todo items and todo lists, and put the todo items into a related todo list.

Application Servers have become the choice technology for companies building Web-based distributed e-business applications. Although this has proven to be successful in a number of areas, many organizations still struggle with several performance bottlenecks. Using IBM WebSphere and Versant enJin provides a framework for a solution that addresses some of these challenges - especially the complex object-oriented models of Enterprise Applications Versant enJin integrates seamlessly with IBM WebSphere and provides the performance and scalability you need to accelerate your e-business transactions. The integration of Versant enJin with IBM WebSphere can result in upto 50 times improvement in the performance of your e-business application - this is done by elimination of mapping objects to and from the relational world. In addition, enJin also enables you to get your products to the market faster by eradicating the need to know or develop in any language other than Java - no SQL, no JDBC or relational database programming. Versant enJin is a flexible infrastructure platform that persists Java objects and EJBs within the middle-tier without overloading your existing database systems. enJin gives you J2EE capabilities, combined with a transparent Java object persistence implementation. It gives you the performance and scalability you need to accelerate your e-business transactions across the Internet. Use Versant enJin with IBM WebSphere Application Server to increase system throughput, time-to-market, and transactional response time. This IBM Redbooks publication is an in-depth guide for implementation of Versant enJin Session Bean Persistence methodology, development and deployment of your J2EE applications using IBM WebSphere Application Server. It describes in detail the benchmarking project that was a joint undertaking with IBM and Versant. In the latter part of the book you will learn about the benchmarking project that was conducted at the IBM Labs in San Jose. In Part 1 we will describe the familiarize the reader with the methodology used in developing J2EE applications using Versant enJin as well as provide information about enJin that will enable your team to fully understand the components, architecture, benefits and features of enJin. In Part 2 you will learn how to implement the methodology into developing and deploying a typical J2EE application using IBM WebSphere and enJin. This will be done building and deploying a fully developed ty...

From development to troubleshooting, this is the only complete reference for IBM WebSphere Application Server Advanced Edition v.4. Readers can put what they learn to work immediately. Develop and deploy powerful Web-based applications on multiple platforms--including UNIX, NT, and AIX. Packed with essential information as well as advanced techniques for developers and system integrators, this book will help you maximize every aspect of WebSphere's functionality, and fully leverage the power of this key e-infrastructure software. Covering core Web technologies including EJB, J2EE, and servlets and including original source code for hundreds of working programs, IBM WebSphere Application Server Programming belongs in the hands of every serious WebSphere developer and system integrator.

Will new equipment/products be required to facilitate IBM WebSphere Application Server delivery for example is new software needed? Does our organization need more IBM WebSphere Application Server education? Are we making progress? and are we making progress as IBM WebSphere Application Server leaders? What prevents me from making the changes I know will make me a more effective IBM WebSphere Application Server leader? Is IBM WebSphere Application Server currently on schedule according to the plan? This amazing IBM WebSphere Application Server self-assessment will make you the established IBM WebSphere Application Server domain authority by revealing just what you need to know to be fluent and ready for any IBM WebSphere Application Server challenge. How do I reduce the effort in the IBM WebSphere Application Server work to be done to get problems solved? How can I ensure that plans of action include every IBM WebSphere Application Server task and that every IBM WebSphere Application Server outcome is in place? How will I save time investigating strategic and tactical options and ensuring IBM WebSphere Application Server costs are low? How can I deliver tailored IBM WebSphere Application Server advice instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all IBM WebSphere Application Server essentials are covered, from every angle: the IBM WebSphere Application Server self-assessment shows succinctly and clearly that what needs to be clarified to organize the required activities and processes so that IBM WebSphere Application Server outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced IBM WebSphere Application Server practitioners. Their mastery, combined with the easy elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in IBM WebSphere Application Server are maximized with professional results. Your purchase includes access details to the IBM WebSphere Application Server self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows you exactly what to do next. Your exclusive instant access details can be found in your book.

WebSphere Application Server V8: Administration and Configuration Guide IBM Redbooks

Manage and administer your WebSphere application server to create a reliable, secure, and scalable environment for running your applications with this book and eBook.

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

Secure your IBM WebSphere applications with Java EE and JAAS security standards using this book and eBook

From the very 1st chapter, this book tackles the main technique of WebSphere Application Server deployment, and provides the necessary tools to design and manage a realistic Websphere technical integration. Topics include: \* Offers clear understanding of the WebSphere Application Server installation and configuration \* Provides a complete guide to creating a WebSphere development environment with both WebSphere Studio Site Developer and WebSphere Studio Application Developer \* Includes extensive coverage of development for WebSphere including EJBs, JavaServer Pages, and Servlets \* Offers WebSphere Administrators solutions for session management and application packaging and more....

The author provides a practical, step-by-step approach in teaching how to use the IBM J2EE server side development tool called WebSphere Studio Application Developer (WSAD) for developing J2EE distributed applications.

& • Everything Java developers need to start building J2EE applications using WebSphere Tools for the WebSphere Application Server & & • Hands-on techniques and case studies: servlets, JSP, EJB, IBM VisualAge for Java, and more & & • Written by IBM insiders for IBM Press

Straight from IBM, the official guide on WebSphere deployment and administrative model.

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.

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.

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® 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

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.

What threat is IBM WebSphere Application Server addressing? Do we aggressively reward and promote the people who have the biggest impact on creating excellent IBM WebSphere Application Server services/products? What are your results for key measures or indicators of the accomplishment of your IBM WebSphere Application Server strategy and action plans, including building and strengthening core competencies? Is a IBM WebSphere Application Server Team Work effort in place? Who will provide the final approval of IBM WebSphere Application Server deliverables? Defining, designing, creating, and implementing a process to solve a business challenge or meet a business objective is the most valuable role... In EVERY company, organization and department. Unless you are talking a one-time, single-use project within a business, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are we really trying to accomplish here? And is there a different way to look at it?' This Self-Assessment empowers people to do just that - whether their title is entrepreneur, manager, consultant, (Vice-)President, CxO etc... - they are the people who rule the future. They are the person who asks the right questions to make IBM WebSphere Application Server investments work better. This IBM WebSphere Application Server All-Inclusive Self-Assessment enables You to be that person. All the tools you need to an in-depth IBM WebSphere Application Server Self-Assessment. Featuring 713 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which IBM WebSphere Application Server improvements can be made. In using the questions you will be better able to: - diagnose IBM WebSphere Application Server projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in IBM WebSphere Application Server and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the IBM WebSphere

Application Server Scorecard, you will develop a clear picture of which IBM WebSphere Application Server areas need attention. Your purchase includes access details to the IBM WebSphere Application Server self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. Your exclusive instant access details can be found in your book.

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/>

This guide will help readers learn how to employ the significant power of use cases to their software development efforts. It provides a practical methodology, presenting key use case concepts.

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

This IBM® Redbooks® publication, intended for architects, application developers, and system programmers, describes how to design and implement Java web-based applications in an IBM CICS® Liberty JVM server. This book is based on IBM CICS Transaction Server V5.3 (CICS TS) using the embedded IBM WebSphere® Application Server Liberty V8.5.5 technology. Liberty is an asset to your organization, whether you intend to extend existing enterprise services hosted in CICS, or develop new web-based applications supporting new lines of business. Fundamentally, Liberty is a composable, dynamic profile of IBM WebSphere Application Server that enables you to provision Java EE technology on a feature-by-feature basis. Liberty can be provisioned with as little as the HTTP transport and a servlet web container, or with the entire Java EE 6 Web Profile feature set depending on your application requirements. This publication includes a Technology Essentials section for architects and application developers to help understand the underlying technology, an Up-and-Running section for system programmers implementing the Liberty JVM server for the first time, and a set of real-life application development scenarios.

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: Developer with a smaller production run time, and production environments. For a developer, 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 run time to be able to maximize system resources. This IBM Redbooks® publication provides you with information to effectively use the WebSphere Application Server V8.5 Liberty profile along with the WebSphere Application Server Developer Tools for Eclipse, for development and testing of web applications that do not require a full Java Platform. It provides a quick guide on getting started, providing a scenario-based approach to demonstrate the capabilities of the Liberty profile along with the developer tools. This provides a simplified, but comprehensive, application development and testing environment. The intended audience for this book is developers of web and Open Services Gateway initiative (OSGi) applications who are familiar with web and OSGi application concepts. This book has been updated to reflect the new features in WebSphere Application Server.

This IBM® Redbooks® publication provides system administrators and developers with the knowledge to configure an IBM WebSphere® Application Server Version 8.5 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 V8.5, the entire series is designed to give you in-depth information about key WebSphere Application Server features. WebSphere Application Server V8.5 provides two runtime profiles. Every WebSphere Application Server package includes both profile types. The runtime traditionally available with the WebSphere Application Server packages is referred to as the full profile. The application serving run time provided with this profile is composed of a wide spectrum of runtime components that are available when the server is started. The full profile provides support for Java Platform Enterprise Edition 6 (Java EE 6) and Enterprise OSGi technologies. The Liberty profile provides a simplified stand-alone run time for web applications, supporting a subset of the programming model available with the full profile. Any application that runs on the Liberty profile will also run on the full profile. In this book, we provide a detailed exploration of the WebSphere Application Server V8.5 runtime administration process for the full profile. This book includes configuration and administration information for WebSphere Application Server V8.5 and WebSphere Application Server Network Deployment V8.5 on distributed platforms and WebSphere Application Server for IBM z/OS® V8.5. This book has been updated with information about the new features in WebSphere Application Server V8.5.5. The Liberty profile administration and configuration information has been moved into a separate book. The following publications are prerequisites 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 The following publications are companion books, covering the Liberty profile of WebSphere Application Server: WebSphere Application Server Liberty Profile Guide for Developers, SG24-8076 WebSphere Application Server V8.5 Administration Guide for the Liberty Profile, SG24-8170. 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.

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