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Documentation

# **Ibm Websphere Documentation**

The IBM® Operational Decision Manager product family provides value to organizations that want to improve the responsiveness

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and precision of automated decisions. This decision management platform on IBM z/OS® provides comprehensive automation and governance of operational decisions that are made within mainframe

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applications. These decisions can be shared with other cross-platform applications, providing true enterprise decision management. This IBM Redbooks® publication makes the case for using Operational

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Decision Manager for z/OS and provides an overview of its components. It is aimed at IT architects, enterprise architects, and development managers looking to build rule-based solutions. Step-by-step guidance

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is provided about getting started with business rules by using a scenario-based approach. This book provides detailed guidelines for testing and simulation and describes advanced options for decision

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authoring. Finally, it describes and documents multiple runtime configuration options. This third edition, SG24-8014-02, of this IBM Redbooks publication updated the information presented in this book to reflect

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function available in IBM  
Operational Decision Manager  
for z/OS Version 8.7.1.

This IBM Redbooks publication  
describes the fundamental  
concepts and benefits of  
message queuing technology.

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This book is an update of a very popular Redpaper (REDP-0021) based on IBM WebSphere MQ Versions 5.0 to 5.2. This publication provides a design-level overview and technical introduction for the established



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and reliable WebSphere MQ product. A broad technical understanding of the WebSphere MQ product can improve design and implementation decisions for WebSphere MQ infrastructures and applications.

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To reduce the time required to gain this understanding, this book summarizes relevant information from across the WebSphere MQ product documentation. We also include hands-on security and

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troubleshooting sections to aid understanding and provide a reference for common administrative actions performed when building and maintaining WebSphere MQ infrastructures. In the appendix, we provide a

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summary of the new features in WebSphere MQ Version 6.0.

The mobile industry is evolving rapidly. An increasing number of mobile devices, such as smartphones and tablets, are sold every year and more people

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are accessing services from a mobile device than ever before. For an enterprise, this can mean that a growing number of customers, business partners, and even employees now expect to access services on a mobile

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channel. This opens new opportunities for the business but also presents new challenges, both in terms of business processes and information technology (IT) infrastructure. IBM® Worklight®

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is an open mobile application platform. It helps organizations of all sizes to efficiently develop, connect, run, and manage HTML5, hybrid, and native applications. IBM Worklight provides the essential elements

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needed for complete mobile application development, deployment, and management within a business. This IBM Redbooks® publication provides information necessary to design, develop, deploy, and maintain



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mobile applications using IBM Worklight Version 5.0.5. It includes information about decision points that the IT organization will need to make, the roles that are involved in a mobile strategy and the

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responsibilities of the individuals in those roles. It also describes integration points with other IBM products that can enhance the mobile solution. This book has two parts: Part 1 is for a business-oriented IT audience

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and addresses business aspects of the mobile industry. It is for the IT architect or CTO, who can translate business needs into information technology solutions. Part 2 is intended for a technical audience, including application

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developers, testers, and system administrators.

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

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Scenarios  
Smart SOA Connectivity  
Patterns: Unleash the Power of  
IBM WebSphere Connectivity  
Portfolio

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*This IBM® Redbooks® publication provides performance tuning tips and best practices for IBM Business Process Manager (IBM BPM) V8.5.5 (all editions) and IBM Business Monitor V8.5.5. These products represent an*



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*Monitor build on the core capabilities of the IBM WebSphere® Application Server infrastructure. As a result, Business Process Manager solutions benefit from tuning, configuration, and best practices*

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*information for WebSphere  
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corresponding platform Java  
virtual machines (JVMs). This  
book targets a wide variety of  
groups, both within IBM  
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*sales, and others) and customers.  
For customers who are either  
considering or are in the early  
stages of implementing a solution  
incorporating Business Process  
Manager and Business Monitor,  
this document proves a useful*

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*reference. The book is useful both in terms of best practices during application development and deployment and as a reference for setup, tuning, and configuration information. This book talks about many issues that can influence*

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*information presented here to gain insight into how their overall integrated solution performance can be improved.*

*This IBM® Redbooks® publication describes how to build production topologies for IBM Business*



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*Process Manager V8.0. This book is an update of the existing book IBM Business Process Manager V7.5 Production Topologies, SG24-7976. It is intended for IT Architects and IT Specialists who want to understand and implement*

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*these topologies. Use this book to select the appropriate production topologies for an environment, then follow the step-by-step instructions to build those topologies. Part 1 introduces IBM Business Process Manager and provides an overview*

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*of basic topology components, and Process Server and Process Center. This part also provides an overview of the production topologies described in this book, including a selection criteria for when to select a topology. IBM Business Process*

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*Manager security and the presentation layer are also addressed in this part. Part 2 provides a series of step-by-step instructions for creating production topology environments by using deployment environment patterns.*

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*This process includes topologies that incorporate IBM Business Monitor. This part also describes advanced topology topics. Part 3 covers post installation instructions for implementing production topology environments such as*

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*configuring IBM Business Process  
Manager to use IBM HTTP Server  
and WebSphere® proxy server.*

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software. SAP solutions provide a  
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*modules, and configurable functional capabilities that are expected from a comprehensive enterprise business application software suite. In most cases, companies that adopt SAP software remain heterogeneous enterprises*

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*running both SAP and non-SAP systems to support their business processes. Regardless of the specific scenario, in heterogeneous enterprises most SAP implementations must be integrated with a variety of non-SAP*



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process management (BPM) tools  
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of engagement The tooling  
included with SAP software  
addresses many needs for creating  
SAP-centric environments.*

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implementing SAP functionality*

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*generally leaves the business with a rigid solution that is difficult and expensive to change and enhance. When SAP software is used in a large, heterogeneous enterprise environment, SAP clients face the dilemma of selecting the correct set*

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*of tools and platforms to implement SAP functionality, and to integrate the SAP solutions with non-SAP systems. This IBM® Redbooks® publication explains the value of integrating IBM software with SAP solutions. It describes how to*

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*enhance and extend pre-built capabilities in SAP software with best-in-class IBM enterprise software, enabling clients to maximize return on investment (ROI) in their SAP investment and achieve a balanced enterprise*

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*architecture approach. This book describes IBM Reference Architecture for SAP, a prescriptive blueprint for using IBM software in SAP solutions. The reference architecture is focused on defining the use of IBM software with SAP,*

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*and is not intended to address the internal aspects of SAP components. The chapters of this book provide a specific reference architecture for many of the architectural domains that are each important for a large enterprise to*

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*establish common strategy, efficiency, and balance. The majority of the most important architectural domain topics, such as integration, process optimization, master data management, mobile access,*



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*Enterprise Content Management, business intelligence, DevOps, security, systems monitoring, and so on, are covered in the book. However, there are several other architectural domains which are not included in the book. This is*

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*not to imply that these other architectural domains are not important or are less important, or that IBM does not offer a solution to address them. It is only reflective of time constraints, available resources, and the complexity of*

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*assembling a book on an extremely broad topic. Although more content could have been added, the authors feel confident that the scope of architectural material that has been included should provide organizations with a fantastic head*

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formidable of messaging and help  
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system illustrates the patterns in  
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*insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in*

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*to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use,*

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***configure an IBM WebSphere®  
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runtime environment, to  
package and deploy  
applications, and to perform  
ongoing management of the  
WebSphere environment. As***

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***one in a series of IBM  
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IBM Redpapers publications  
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designed to give you in-depth  
information about key  
WebSphere Application Server***



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***features. In this book, we provide a detailed exploration of the WebSphere Application Server V8 runtime administration process. This book includes configuration and administration***

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WebSphere Application Server  
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***publications are prerequisites  
for this book: WebSphere  
Application Server V8.0  
Technical Overview,  
REDP-4756 IBM WebSphere  
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***Design Guide, SG24-7957  
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You'll start by learning about  
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as API managers, developer  
portals, gateways, and  
analytics subsystems, as well  
as the management***

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*This IBM® Redpaper™ publication provides suggestions, hints and tips, directions, installation steps, checklists of prerequisites, and configuration information collected from several IBM InfoSphere® Information Server experts. It is*

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*intended to minimize the time required to successfully install and configure InfoSphere Information Server. The information in this document is based on field experiences of experts who have implemented InfoSphere Information Server. As*

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*such, it is intended to supplement, and not replace, the product documentation. Discover the proven choices and combinations for installing InfoSphere Information Server that have been the most successful for the IBM InfoSphere*

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*"whole new world", covering PureApplication Patterns and the new PureApplication as a service on Softlayer. The intended audience for this book is architects, developers, administrators, and DevOps personnel.*

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SOA/BPM life cycle***

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***Build a comprehensive web portal for your company with the coverage of full development life cycle with this book and ebook. This IBM® Redbooks® publication explains the capabilities of IBM WebSphere® Application Server Liberty profile***

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***(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***

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***technology and concepts. The fit-for-purpose nature of the runtime 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***

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***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***

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***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***

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***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***

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***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,***



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***update, and delete todo items  
and todo lists, and put the todo  
items into a related todo list.***

***This IBM® Redbooks®  
publication provides system  
administrators and developers  
with the knowledge to configure  
an IBM WebSphere® Application***

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***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***

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***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***

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***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***

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***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***



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***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***

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***Technical Overview, REDP-4855  
IBM WebSphere Application  
Server V8.5 Concepts, Planning,  
and Design Guide, SG24-8022  
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Liberty profile of WebSphere  
Application Server: WebSphere***

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publication introduces WebSphere eXtreme Scale and shows how to set up and use an eXtreme Scale environment. It begins with a discussion of the issues that would lead you to an eXtreme Scale solution. It then describes the architecture of eXtreme Scale to help you understand

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