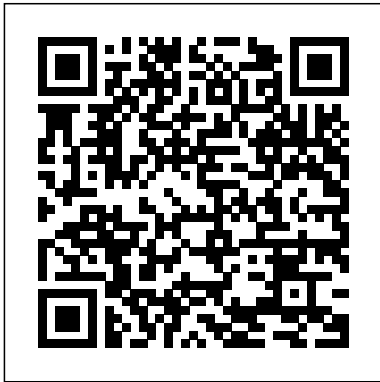


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# Websphere Application Documentation

Eventually, you will very discover a further experience and achievement by spending more cash. still when? realize you take that you require to get those all needs subsequent to having significantly cash? Why dont you attempt to acquire something basic in the beginning? Thats something that will guide you to understand even more re the globe, experience, some places, past history, amusement, and a lot more?

It is your unquestionably own mature to produce an effect reviewing habit. in the middle of guides you could enjoy now is Websphere Application Documentation below.



[Swing for Jython](#) IBM Redbooks infrastructures. Getting Started with IBM WebSphere sMash covers all aspects of architecting, designing, and developing solutions with these breakthrough technologies. Authored by three IBM leading sMash experts, this practical tutorial shows how to create state-of-the-art web applications far more rapidly than Use IBM WebSphere sMash to Rapidly Deliver Scalable, Flexible Web 2.0 Applications With the radically new IBM WebSphere sMash and the Project Zero platform, it's far easier to develop, assemble, and run applications and mashups that align tightly with SOA enterprise

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you ever could with traditional Java or .NET enterprise platforms. As you walk through sample projects based on real-life scenarios, you'll master both basic and advanced sMash features, ranging from request handling to event processing, database access to security. You'll also learn agile best practices for consistently writing better web applications, delivering them sooner, and getting more value from them. Coverage includes Installing and configuring IBM WebSphere sMash, and choosing your development environment Creating handlers to efficiently service all types of requests Understanding sMash's

“convention over configuration” approach, and knowing when to override convention Rendering responses that include visual content, data, and other resources Connecting with databases via Project Zero's powerful data access API Using sMash's security model to protect inbound and outbound connections Building more flexible applications with sMash's sophisticated event processing Extending sMash development to non-programmers with Assemble Flow Programming client-side code with the Dojo Toolkit Taking advantage of sMash's PHP support  
**Implementing Document Imaging and Capture**

**Solutions with IBM Datacap** McGraw Hill Professional  
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

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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. WebSphere Application Server V8.5 Concepts, Planning, and Design Guide IBM Redbooks Maximize on the power of WebSphere Portal to build and deploy portals If you use, develop, manage, or administer WebSphere applications, you are probably

already building or managing Web portals-or wellon your way to doing so. With this comprehensive book, you'll discover how these portals bring together important functions such as integration, presentation, organization, and customizations- functions needed in every complex application environment. The unparalleled author team of experts offers you in-depth insight on mastering the complex aspects of WebSphere Portal, walking you through every facet from installing to deployment. Mastering IBM WebSphere Portal focuses on not only the portal as a server, but also how it interacts with components such as LDAP servers, enterprise applications, mobile devices, and even other portals. The authors

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begin with an introduction to the WebSphere product family and then explore such topics as:

- \* Installing and customizing the portal, as well as migrating existing environments to version 5
- \* Defining portlets, pages, and user interface properties
- \* Applying personalization, collaboration, search, and document and content management within WebSphere Portal v. 5
- \* Using high availability, security and single sign-on, identity management, Web services, and enterprise applications
- \* Setting up a portal in a high-availability environment and integrating external applications into WebSphere Portal

The companion Web site, [www.wiley.com/compbooks/ben-natan](http://www.wiley.com/compbooks/ben-natan), presents all the code

in the book as well as links to vendors and sources of information pertaining to WebSphere Portal.

Pearson Education IBM® Cloud Manager with OpenStack for z Systems™, V4.2 is an easy-to-use cloud management solution that serves as a control point for cloud managed resources based on the OpenStack Juno distribution. IBM Cloud Manager with OpenStack for z Systems, V4.2 can operate as a cloud management hub that can manage IBM z

Systems™, IBM Power Systems™, and x86 resources from a central point of control. This IBM Redbooks® publication gives a broad understanding of the architecture for IBM Cloud Manager with OpenStack for z Systems, V4.2, and how it can be implemented and deployed to support cloud services on the z Systems platform. This publication also helps you plan, install, configure, and use IBM Cloud Manager with OpenStack

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for z Systems, V4.2. It focuses on planning and design of your cloud environment on z Systems, as well as the installation and configuration definitions that are necessary to build and manage cloud resources under IBM z/VM®. This information is useful to IT architects and system administrators who plan for and install IBM Cloud Manage with OpenStack for z Systems. The reader is expected to have a good

understanding of IBM z Systems™ hardware, IBM z/VM, Linux on z Systems, and cloud concepts.

[IBM InfoSphere Information Server Installation and Configuration Guide](#) IBM Redbooks

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.

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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 *WebSphere Application Server V8: Administration and Configuration Guide* Pearson Education  
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

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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.

**Graphical Jython UI and Scripts Development using Java Swing and WebSphere Application Server**

IBM Redbooks  
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

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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.

[IBM WebSphere Application Server V8](#)

[Concepts, Planning, and Design Guide](#) "O'Reilly Media, Inc."

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



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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

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challenges and enhance return on investment (ROI).

**The Virtualization Cookbook for IBM Z Volume 1: IBM z/VM 7.2**

Pearson Education  
IBM WebSphere® eXtreme Scale provides a solution to scalability issues through caching and grid technology. It provides an enhanced quality of service in high performance computing environments. This IBM® Redbooks® 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 how the product works. It provides information about potential grid topologies, the APIs used by applications to access the grid, and application scenarios that show how to effectively

use the grid. This book is intended for architects who want to implement WebSphere eXtreme Scale. The original edition of this book was based on WebSphere eXtreme Scale version 6.1. It was published in 2008 and described as a "User's Guide". This second edition updates the information based on WebSphere eXtreme Scale version 8.6, and covers key concepts and usage scenarios. Expert Guidance to Build and

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Deploy Portal Applications IBM Redbooks  
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. *Hybrid Cloud Data and API Integration: Integrate Your Enterprise and Cloud with Bluemix Integration Services* IBM Redbooks  
This IBM Redbooks publication and sample code provide IT Architects, IT Specialists, and Developers with the critical knowledge to design, develop, deploy, and manage a portal based document management system using IBM WebSphere Portal V5.0.2 and IBM DB2 Content Manager V8.2. In Part 1, "Introduction to document management", we introduce key concepts of a document management system and

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highlight the solution software products and versions. Next we take an in-depth look into the architecture and design guidelines for the runtime and development environment topologies, application architecture, data model, workflow, authentication and authorization. In Part 2, "Portal document management solution", we provide an end-to-end working example including requirements and solution design, runtime and development environment implementation, application and data model design and development, application deployment, and administration. The appendices

contain additional information, among which is a description of several out of the box alternatives for portal based document management using WebSphere Portal and DB2 Content Manager. Please note that the additional material referenced in the text is not available from IBM.

[WebSphere Application Server Administration Using Jython](#) IBM Redbooks Covers administrative tasks that apply to the SAS Intelligence Platform as a whole, including starting and stopping servers, monitoring servers, setting server logging options, performing

backups, administering the SAS Metadata Server, administering metadata repositories, and promoting business intelligence metadata and content. This title is also available online. SAS Products and Releases: SAS BI Server: 9.3 SAS Data Integration Server: 9.3 SAS Enterprise BI Server: 9.3 SAS Enterprise Data Integration Server: 9.3 SAS Metadata Server: 9.3 Operating Systems: All  
**WebSphere Application Server V7: Competitive Migration Guide** IBM

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## Redbooks

IBM® Hybrid Integration Services is a set of hybrid cloud capabilities in IBM Bluemix™ that allows businesses to innovate rapidly while, at the same time, providing IT control and visibility. It allows customers to quickly and easily build and operate systems that mix data and application programming interfaces (APIs) from a wide variety of sources, whether they reside on-premises or in the cloud. In many cases, you want

to expose your IT assets from your private cloud as APIs and at the same time have best overall manageability and control of who uses your assets and how. Bluemix provides a set of services such as Secure Gateway, API Management, Connect and Compose, DataWorks, and API Catalog, which enable Hybrid Cloud Integration capabilities. This IBM Redbooks® publication provides preferred practices around

developing cloud solutions using these Hybrid Integration Services that help you maintain data consistency, manageability, and security for critical transactions.

*IBM WebSphere Application Server V8 Concepts, Planning, and Design Guide*

IBM Redbooks

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

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Monitor V8.5.5. These products represent an integrated development and runtime environment based on a key set of service-oriented architecture (SOA) and business process management (BPM) technologies. Such technologies include Service Component Architecture (SCA), Service Data Object (SDO), Business Process Execution Language (BPEL) for web services, and Business Processing Modeling Notation (BPMN). Both IBM Business Process Manager and Business

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 information for WebSphere Application Server and the corresponding platform Java virtual machines (JVMs). This book targets a wide variety of groups, both within IBM (development, services, technical 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 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 performance of each product and can serve as a guide for making rational first choices in terms of configuration and

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performance settings. Similarly, customers who already implemented a solution with these products can use the information presented here to gain insight into how their overall integrated solution performance can be improved.

[IBM Business Process Manager Version 8.0 Production Topologies](#)

[IBM Redbooks](#)

IBM® Tivoli® Storage Productivity Center for Replication provides support for the advanced copy services capabilities

on the DS8000® and DS6000™, in addition to the support for SAN Volume Controller. This support focuses on automating administration and configuration of these services, operational control (starting, suspending, resuming) copy services tasks, and monitoring and managing the copy services sessions. In addition to the support for FlashCopy® and Metro Mirror, Tivoli Storage Productivity Center for Replication

supports Global Mirror on the DS8000, and SAN Volume hardware platforms. Advanced disaster recovery functions are also supported with failover/failback (planned and unplanned) from a primary site to a disaster recovery site. A new product, IBM Tivoli Storage Productivity Center for Replication Basic Edition for System z® enables Basic HyperSwap® on z/OS®, which allows the management of disk

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replication services using an intuitive GUI on z/OS systems. Tivoli Storage Productivity Center for Replication also can monitor the performance of the copy services that provide a measurement of the amount of replication and the amount of time that is required to complete the replication operations. This IBM Redbooks® publication provides the information you need to install Tivoli Storage Productivity Center for Replication

V5.1, and create and manage replication sessions on a z/OS platform. Scenarios are provided that document the work performed in our laboratory setting, using the GUI and CLI.

[WebSphere Application Server V7 Administration and Configuration Guide](#)

Apress

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



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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 •

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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

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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.

*Flexible Decision*

*Management with Business Rules on IBM z Systems*

IBM Redbooks

Although EJB applications themselves are portable, the manner in which developers install and run EJB products varies widely from one vendor to the next. The goal

of this WebSphere AE workbook is to discuss vendor specific requirements and best practices and introduce tools such as the WebSphere Application Assembly Tool, and the WebSphere Administration Console, all in the context of building and running the example programs for O'Reilly's Enterprise JavaBeans, 3rd edition. The Workbook guides developers step-by-step, explaining how to build and deploy working solutions in a particular application server, and provides useful hints,

tips and warnings. This WebSphere 4.0 AEs Workbook was originally published by Enterprise JavaBeans author Richard Monson-Haefel's Titan Books publishing company. O'Reilly thought so highly of it, we acquired the rights to publish it ourselves, in order to give more developers access to this critical information.

*IBM Business Process*

*Manager V8.5 Performance*

*Tuning and Best Practices*

Packt Publishing Ltd

This IBM® Redbooks®

publication describes how to build production topologies for

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IBM Business 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 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 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 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. 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

configuring IBM Business Process Manager to use IBM HTTP Server and WebSphere® proxy server. **Developing Applications with IBM FileNet P8 APIs** IBM Redbooks 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

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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 [WebSphere Application Server for Developers V7 IBM Redbooks](#) The IBM® Midmarket Software Buying and Selling Guide is

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tailored specifically to help the management and IT staff of small and midsized businesses evaluate how the IBM midmarket portfolio can provide simple and cost-effective solutions to common business problems. Along with a midmarket customer focus, this IBM Redpaper™ publication is designed to help IBM teams and Business Partners be more effective in serving small and midsized businesses. We illustrate how IBM software for the midmarket can help businesses use the Web to reduce expenses, improve customer service, and expand into new markets. We cover the IBM software offering for the midmarket, which includes what the software does, the platforms it runs on, where to find more information, and how it can help your business become more profitable: - IBM Business Partners often keep a printed copy of this guide in their briefcases for software references - Customers can view this guide online and look up software-value messages and IBM product family offering comparisons - IBM Sales Representatives can print parts of this guide as "leave-behinds" for customers, to give them extra collateral on midmarket software of interest To make sure that you have the latest version of this guide, download it from this web address: <http://www.redbooks.ibm.com/abstracts/redp3975.html?Open>