

Ibm Part II

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 IBM PowerVM Virtualization Introduction and Configuration
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 Building IBM
 Application Development for IBM CICS Web Services
 Computer Literature Bibliography: 1946-1963
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 Mastering IBM I
 The New Language of Business
 Requirements Management Using IBM Rational RequisitePro
 A User's Guide to the IBM MPSX Linear Programming Package
 IBM z/OS Mainframe Security and Audit Management Using the IBM Security zSecure Suite
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 IBM FlashSystem Best Practices and Performance Guidelines for IBM Spectrum Virtualize Version 8.4.2
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 Mainframe from Scratch: Hardware Configuration and z/OS Build
 The PC & PC-DOS
 Making the World Work Better
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 IBM PowerHA SystemMirror for i: Using DS8000 (Volume 2 of 4)
 Integrated Virtualization Manager for IBM Power Systems Servers
 IBM WebSphere DataPower SOA Appliances: Part II: Authentication and Authorization

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IBM's 360 and Early 370 Systems IBM Redbooks

From the Introduction to Getting it Done: "Simply put, Washington is a tough town. Succeeding in Washington requires not only hard work (which is clearly needed), but also a highly sensitive antenna about the environment surrounding your agency. "You must succeed with all 14 of the stakeholder groups described in this book. Any one of them can cause problems for you. Conversely, every one of them can serve as a key leverage point for you to succeed in Washington." Written for newly appointed government agency heads and their senior management teams, Getting It Done addresses the environment of government. Part I of the book offers a straightforward to-do list to guide officials in their new leadership positions. Tip includes how to act quickly on what can't wait, develop a vision and a focused agenda, and much more. Part II of the book provides short overviews of the fourteen stakeholders that government officials

will most frequently encounter. These stakeholders include policy councils, Congress, unions, and the Government Accountability Office.

IBM PowerHA SystemMirror for i: Using Geographic Mirroring (Volume 4 of 4) IBM Redbooks

No product offering has had greater impact on the computer industry than the IBM System/360. This book describes the creation of this remarkable system and the developments it spawned, including its successor, System/370.

IBM i 7.2 Technical Overview with Technology Refresh Updates IBM Redbooks

Every organization has a core set of mission-critical data that must be protected. Security lapses and failures are not simply disruptions—they can be catastrophic events, and the consequences can be felt across the entire organization. As a result, security administrators face serious challenges in protecting the company's sensitive data. IT staff are challenged to provide detailed audit and controls documentation at a time when they are already facing increasing demands on their time, due to events such as mergers, reorganizations, and other changes. Many organizations

do not have enough experienced mainframe security administrators to meet these objectives, and expanding employee skillsets with low-level mainframe security technologies can be time-consuming. The IBM® Security zSecure suite consists of multiple components designed to help you administer your mainframe security server, monitor for threats, audit usage and configurations, and enforce policy compliance. Administration, provisioning, and management components can significantly reduce administration, contributing to improved productivity, faster response time, and reduced training time needed for new administrators. This IBM Redbooks® publication is a valuable resource for security officers, administrators, and architects who wish to better understand their mainframe security solutions.

IBM PowerVM Virtualization Introduction and Configuration IBM Redbooks

This IBM® Redbooks® publication helps you install, customize, and configure an IBM z13® and build z/OS® environments. This book is intended for those readers who are new to the platform and are faced with the task of installing a mainframe for the first time. By the term mainframe in this instance, we refer to the hardware and the system software. The intention is to show you how

this installation can be done. Volume 1 shows you how we set up a mainframe and installed z/OS V2R2 and IBM DB2® V11. The starting point is a basic hardware configuration of an IBM z13 and DS8000® as shipped from the factory. Volume 1 shows you how the following milestones were achieved: Creating a configuration for the Customized Offering Driver (COD) system Stand-alone restoration of the COD Expanding the configuration Installing the z/OS V2R2 ServerPac Loading and running IVPs for z/OS ServerPac Installing DB2 ServerPac and IVPs This publication includes figures that show you how the initial builds were achieved. For this book, we designed a scenario and show you how to build that scenario step-by-step. Although your requirements likely differ from our scenario, we intend to provide you with an example to show you how it can be done and samples and downloadable materials that you can choose to modify to bring you closer to meeting your needs. This book is divided into the following parts: Part 1: Overview and Planning In this part, we introduce you to how we approached the project. Part 2: Configuration and builds In this part, we describe the tasks that must be completed to create the initial build for the scenario that is described in Part 1.

IBM System Storage Business Continuity: Part 2 Solutions Guide IBM Redbooks

A history of one of the most influential American companies of the last century. For decades, IBM shaped the way the world did business. IBM products were in every large organization, and IBM corporate culture established a management style that was imitated by companies around the globe. It was “Big Blue,” an icon. And yet over the years, IBM has gone through both failure and success, surviving flatlining revenue and forced reinvention. The company almost went out of business in the early 1990s, then came back strong with new business strategies and an emphasis on artificial intelligence. In this authoritative, monumental history, James Cortada tells the story of one of the most influential American companies of the last century. Cortada, a historian who worked at IBM for many years, describes IBM's technology breakthroughs, including the development of the punch card (used for automatic tabulation in the 1890 census), the calculation and printing of the first Social Security checks in the 1930s, the introduction of the PC to a mass audience in the 1980s, and the company's shift in focus from hardware to software. He discusses IBM's business culture and its orientation toward employees and customers; its global expansion; regulatory and legal issues, including antitrust litigation; and the track records of its CEOs. The secret to IBM's unequalled longevity in the information technology market, Cortada shows, is its capacity to adapt to changing circumstances and technologies.

External Procedures, Triggers, and User-Defined Functions on IBM DB2 for i IBM Redbooks

IBM® PowerHA® SystemMirror® for i is the IBM high-availability (HA), disk-based clustering solution for the IBM i operating system. When PowerHA for i is combined with IBM i clustering technology, PowerHA for i delivers a complete HA and disaster-recovery (DR) solution for business applications that are running in an IBM i environment. Use PowerHA for i to support HA capabilities with either native disk storage, IBM DS8000® storage servers, or IBM Storwize® storage servers. This IBM Redbooks® publication helps you to install, tailor, and configure IBM PowerHA SystemMirror for i to use with geographic mirroring and native storage. This publication provides you with planning information to prepare to use the various PowerHA offerings with geographic mirroring with IBM i native storage. It also provides implementation and management information. It provides guidance about troubleshooting these solutions and identifies the documentation that you need to capture before you call IBM Support. This book is part of a four-book set that gives you a complete understanding of PowerHA for i with native disk storage, IBM DS8000 storage servers, or IBM Storwize storage servers. The following IBM Redbooks publications are part of this PowerHA for i volume set: IBM PowerHA SystemMirror for i: Preparation, SG24-8400 IBM PowerHA SystemMirror for i: Using DS8000, SG24-8403 IBM PowerHA SystemMirror for i: Using IBM Storwize, SG24-8402 Important: The information that is presented in this volume set is for technical consultants, technical support staff, IT architects, and IT specialists who are responsible for providing HA and support for IBM i solutions. If you are new to HA, you need to first review the information that is presented in the first book of this volume set, IBM PowerHA SystemMirror for i: Preparation (Volume 1 of 4), SG24-8400, to obtain a general understanding of clustering technology, independent auxiliary storage pools (IASPs), and the PowerHA architecture.

IBM IBM Redbooks

This manual describes Version 3.2 of the User Requirements Language (URL). The manual consists of two parts. Part II is a reference manual, which shows the proper syntax for each statement, and is intended only for reference use by those who have read Part I and/or received formal instruction in URL. Refer to Part I for a detailed description of the language statements available and their use.

Implementing ITIL Change and Release Management IBM Redbooks

This IBM® Redbooks® publication is intended for individuals who want to maximize the performance of their DS8900 storage systems and investigate the planning and monitoring tools that are available.

Government for the Future IBM Redbooks

There is now a direct, provable link between an organization's flexibility and business performance. To optimize flexibility, companies must achieve unprecedented levels of integration and automation of key processes and infrastructure, both internally and externally. At the same time, they must learn to manage their processes far more dynamically and responsively. They must become flex-pon-sive*. Until recently, technology stood in the way of achieving these goals. Thanks to the emergence of service oriented architecture (SOA), Web 2.0, and open standards, technology now enables companies to achieve those goals. In *The New Language of Business*, one of IBM's top SOA strategist demonstrates how business leaders can use innovations in technology to drive dramatic process improvements and support accelerating change. Sandy Carter shows how to deconstruct your business into a “componentized” business model, then support that model with linked, repeatable IT services that can adapt quickly, easily, and economically. These techniques will help both IT professionals and business leaders reach new levels of operational excellence to deliver the market-focused innovations that matter most. Drive competitive advantage through Service Oriented Architecture Leverage the value of business process components and IT services Achieve one version of the truth—finally! Use information as a service to improve business insight and reduce risk Master SOA governance and the service lifecycle Manage IT infrastructure for business results, both short-term and long-term Start fast: choose from three winning approaches Get quick wins with business process management, collaboration or information Implement on demand: what works—and what doesn't Discover key success factors—and ten critical mistakes to avoid

PC Mag MIT Press

This IBM® Redbooks® publication provides an introduction to PowerVMTM virtualization technologies on Power System servers. PowerVM is a combination of hardware, firmware, and software that provides CPU, network, and disk virtualization. These are the main virtualization technologies: POWER7, POWER6, and POWER5 hardware POWER Hypervisor Virtual I/O Server Though the PowerVM brand includes partitioning, management software, and other offerings, this publication focuses on the virtualization technologies that are part of the PowerVM Standard and Enterprise Editions. This publication is also designed to be an introduction guide for system administrators, providing instructions for these tasks: Configuration and creation of partitions and resources on the HMC Installation and configuration of the Virtual I/O Server Creation and installation of virtualized partitions Examples using AIX, IBM i, and Linux This edition has been updated with the latest updates available and an improved content organization.

IBM DS8900F Performance Best Practices and Monitoring Pearson Education

PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

Implementing PowerHA for IBM i IBM Redbooks

Thomas J Watson Sr's motto for IBM was THINK, and for more than a century, that one little word worked overtime. In *Making the World Work Better: The Ideas That Shaped a Century* and a Company, journalists Kevin Maney, Steve Hamm, and Jeffrey M. O'Brien mark the Centennial of IBM's founding by examining how IBM has distinctly contributed to the evolution of technology and the modern corporation over the past 100 years. The authors offer a fresh analysis through interviews of many key figures, chronicling the Nobel Prize-winning work of the company's research laboratories and uncovering rich archival material, including hundreds of vintage photographs and drawings. The book recounts the company's missteps, as well as its successes. It captures moments of high drama - from the bet-the-business gamble on the legendary System/360 in the 1960s to the turnaround from the company's near-death experience in the early 1990s. The authors have shaped a narrative of discoveries, struggles, individual insights and lasting impact on technology, business and society. Taken together, their essays reveal a distinctive mindset and organizational culture, animated by a deeply held commitment to the hard work of progress. IBM engineers and scientists invented many of the building blocks of modern information technology, including the memory chip, the disk drive, the scanning tunneling microscope (essential to nanotechnology) and even new fields of mathematics. IBM brought the

punch-card tabulator, the mainframe and the personal computer into the mainstream of business and modern life. IBM was the first large American company to pay all employees salaries rather than hourly wages, an early champion of hiring women and minorities and a pioneer of new approaches to doing business--with its model of the globally integrated enterprise. And it has had a lasting impact on the course of society from enabling the US Social Security System, to the space program, to airline reservations, modern banking and retail, to many of the ways our world today works. The lessons for all businesses - indeed, all institutions - are powerful: To survive and succeed over a long period, you have to anticipate change and to be willing and able to continually transform. But while change happens, progress is deliberate. IBM - deliberately led by a pioneering culture and grounded in a set of core ideas - came into being, grew, thrived, nearly died, transformed itself... and is now charting a new path forward for its second century toward a perhaps surprising future on a planetary scale.

Getting it Done Springer

Procedures, triggers, and user-defined functions (UDFs) are the key database software features for developing robust and distributed applications. IBM Universal Database™ for i (IBM DB2® for i) supported these features for many years, and they were enhanced in V5R1, V5R2, and V5R3 of IBM® OS/400® and V5R4 of IBM i5/OSTM. This IBM Redbooks® publication includes several of the announced features for procedures, triggers, and UDFs in V5R1, V5R2, V5R3, and V5R4. This book includes suggestions, guidelines, and practical examples to help you effectively develop IBM DB2 for i procedures, triggers, and UDFs. The following topics are covered in this book: External stored procedures and triggers Java procedures (both Java Database Connectivity (JDBC) and Structured Query Language for Java (SQLJ)) External triggers External UDFs This publication also offers examples that were developed in several programming languages, including RPG, COBOL, C, Java, and Visual Basic, by using native and SQL data access interfaces. This book is part of the original IBM Redbooks publication, *Stored Procedures, Triggers, and User-Defined Functions on DB2 Universal Database for iSeries*, SG24-6503-02, that covered external procedures, triggers, and functions, and also SQL procedures, triggers, and functions. All of the information that relates to external routines was left in this publication. All of the information that relates to SQL routines was rewritten and updated. This information is in the new IBM Redbooks publication, *SQL Procedures, Triggers, and Functions on IBM DB2 for i*, SG24-8326. This book is intended for anyone who wants to develop IBM DB2 for i procedures, triggers, and UDFs. Before you read this book, you need to know about relational database technology and the application development environment on the IBM i server.

IBM Maximo Asset Management the Consultant's Guide IBM Redbooks

The Business-Focused, Best-Practice Guide to Succeeding with ITIL Change and Release Management ITIL® (Information Technology Infrastructure Library®) can help organizations streamline and integrate their operations, dramatically improving efficiency and delivering greater business value. For the first time, there's a comprehensive best-practice guide to succeeding with two of the most crucial and challenging parts of ITIL: change and release management. Leading IBM® ITIL expert and author Larry Klosterboer shares solid expertise gained from real implementations across multiple industries. He helps you decide where to invest, avoid ITIL pitfalls, and build successful, long-term processes that deliver real return on investment. You'll find detailed guidance on each process, integrated into a comprehensive roadmap for planning, implementation, and operation—a roadmap available nowhere else. Klosterboer offers in-depth coverage of the crucial issues every implementer will face, including make-or-break challenges most consultants can't or won't talk about. For example, he demonstrates how to set a reasonable project scope, migrate data, execute successful pilot programs, and continually improve quality once ITIL practices are in place. This book's practical insights will be invaluable to every IT executive, professional, and user who wants to bring their current change and release practices in line with ITIL—and transform them from a source of frustration into a source of value. Coverage includes Discovering and managing your change and release management requirements Identifying the resources you'll need to succeed Building comprehensive schedules for executing change/release management projects Moving from planning to real-world implementation Choosing the right tools—or modifying the tools you've already invested in Using change/release management to facilitate auditing and ensure compliance Leveraging the full business benefits of mature change/release management processes Covers ITIL version 3

IBM System i Security: Protecting i5/OS Data with Encryption IBM Redbooks

This IBM® Redbooks® publication describes the concepts, architecture, and implementation of the

IBM System Storage® DS8700 storage subsystem. This book has reference information that will help you plan for, install, and configure the DS8700 and also discusses the architecture and components. The DS8700 is the most advanced model in the IBM System Storage DS8000® series. It includes IBM POWER6®-based controllers, with a dual 2-way or dual 4-way processor complex implementation. Its extended connectivity, with up to 128 Fibre Channel/FICON® ports for host connections, make it suitable for multiple server environments in both open systems and IBM System z® environments. If desired, the DS8700 can be integrated in an LDAP infrastructure. The DS8700 supports thin provisioning. Depending on your specific needs, the DS8700 storage subsystem can be equipped with SATA drives, FC drives, and Solid® State Drives (SSDs). The DS8700 can now automatically optimize the use of SSD drives through its no charge Easy Tier feature. The DS8700 also supports Full Disk Encryption (FDE) feature. Its switched Fibre Channel architecture, dual processor complex implementation, high availability design, and the advanced Point-in-Time Copy and Remote Mirror and Copy functions that incorporates make the DS8700 storage subsystem suitable for mission-critical business functions.

IBM System Storage DS8700 Architecture and Implementation IBM Redbooks

Optimize Your Entire Requirements Process-and Use Requirements to Build More Successful Software Using IBM® Rational® RequisitePro®, you can systematically improve the way you create and maintain requirements-and use those requirements to build more effective, higher-quality software. Now, for the first time, there's a comprehensive, hands-on guide to optimally using RequisitePro in real-world development environments. Utilizing a start-to-finish sample project, requirements expert Peter Zielczynski introduces an organized, best-practice approach to managing requirements and shows how to implement every step with RequisitePro. You'll walk through planning, eliciting, and clarifying stakeholder requirements; building use cases and other key project documents; managing changing requirements; transforming requirements into designs; and much more. Every stage of the process is illuminated with examples, realistic artifacts, and practical solutions. This book is an invaluable resource for everyone who creates requirements, and everyone who relies on them: business analysts, systems analysts, project managers, architects, designers, developers, and testers alike. Coverage includes Overcoming the three leading causes of project failure: lack of user input, incomplete requirements and specifications, and poorly managed change Understanding each type of software requirement-how they interrelate, and what makes a good requirement Establishing a Requirements Management Plan that describes how requirements are created and handled throughout the project lifecycle Developing a Vision document that can drive your project from beginning to end Creating high-quality use cases Using requirements as the basis for system design Leveraging RequisitePro

features for improved project management Integrating requirements management with the IBM Rational Unified Process® Foreword xvii Preface xix Acknowledgments xxiii About the Author xxv Part I: Overview 1 Chapter 1: Requirements Management 3 Chapter 2: Overview of RequisitePro 23 Part II: Requirements Management Activities 33 Chapter 3: Establishing a Requirements Management Plan 35 Chapter 4: Setting up the Project 45 Chapter 5: Requirements Elicitation 63 Chapter 6: Developing a Vision Document 99 Chapter 7: Creating Use Cases 129 Chapter 8: Supplementary Specification 157 Chapter 9: Creating Test Cases from Use Cases 191 Chapter 10: Creating Test Cases from Supplementary Requirements 221 Chapter 11: Object-Oriented Design 243 Chapter 12: Documentation 273 Part III: Other Topics 285 Chapter 13: Managing Projects 287 Chapter 14: Requirements Management in the Rational Unified Process 295 Part IV: Review 311 Chapter 15: Summary 313 Appendix: Sample Requirements Management Plan 319 Index 327 *Quantitative Analysis and IBM® SPSS® Statistics* IBM Redbooks

This IBM Redpaper publication presents and positions the DS8910F Model 993 storage system. This modular system can be integrated into a 16U contiguous space of an IBM z15TM model T02 or IBM z14® Model ZR1 with Feature Code 0937 and IBM LinuxONE III model LT2 or LinuxONE Rockhopper II model LR1 with Feature Code 0938. The DS8910F Model 993 allows you to take advantage of the performance boost of all-flash systems and advanced features while limiting data center footprint and power infrastructure requirements.

IBM DS8910F Model 993 Rack-Mounted Storage System Release 9.1 Rowman & Littlefield

No company of the twentieth century achieved greater success and engendered more admiration, respect, envy, fear, and hatred than IBM. Building IBM tells the story of that company—how it was formed, how it grew, and how it shaped and dominated the information processing industry. Emerson Pugh presents substantial new material about the company in the period before 1945 as well as a new interpretation of the postwar era.Granted unrestricted access to IBM's archival records and with no constraints on the way he chose to treat the information they contained, Pugh dispels many widely held myths about IBM and its leaders and provides new insights on the origins and development of the computer industry.Pugh begins the story with Herman Hollerith's invention of punched-card machines used for tabulating the U.S. Census of 1890, showing how Hollerith's inventions and the business he established provided the primary basis for IBM. He tells why Hollerith merged his company in 1911 with two other companies to create the Computing-Tabulating-Recording Company, which changed its name in 1924 to International Business Machines. Thomas J. Watson, who was hired in 1914 to manage the merged companies, exhibited remarkable technological insight and leadership—in addition to his widely heralded salesmanship—to build Hollerith's business into a virtual monopoly of the rapidly growing punched-card equipment business. The fascinating inside story of the transfer of authority from the senior

Watson to his older son, Thomas J. Watson Jr., and the company's rapid domination of the computer industry occupy the latter half of the book. In two final chapters, Pugh examines conditions and events of the 1970s and 1980s and identifies the underlying causes of the severe problems IBM experienced in the 1990s.

IBM PowerHA SystemMirror for i: Using IBM Storwize (Volume 3 of 4) Pearson Education This IBM® Redbooks® publication provides a technical overview of the features, functions, and enhancements that are available in IBM i 7.2, including all the available Technology Refresh (TR) levels, from TR1 to TR3. This publication provides a summary and brief explanation of the many capabilities and functions in the operating system. It also describes many of the licensed programs and application development tools that are associated with IBM i. The information that is provided in this book is useful for clients, IBM Business Partners, and IBM service professionals that are involved with planning, supporting, upgrading, and implementing IBM i 7.2 solutions.

Building IBM MIT Press

IBM® PowerHA® SystemMirror® for i is the IBM high-availability (HA), disk-based clustering solution for the IBM i operating system. When PowerHA for i is combined with IBM i clustering technology, PowerHA for i delivers a complete HA and disaster-recovery (DR) solution for business applications that run in an IBM i environment. With PowerHA for i, you can support HA capabilities with either native disk storage, IBM DS8000® storage servers, or IBM Storwize® storage servers. This IBM Redbooks® publication helps you to install, tailor, and configure IBM PowerHA SystemMirror for i with the IBM System Storage® DS8000 series. This publication provides you with planning information to prepare to use the various PowerHA offerings for the IBM DS8000 family. It also provides implementation and management information. It provides guidance about troubleshooting these solutions and identifies the documentation and data that you need to capture before you call IBM Support. This book is part of a four-book volume set that gives you a complete understanding of PowerHA for i that uses native disk storage, IBM DS8000 storage servers, or IBM Storwize storage servers. The following IBM Redbooks publications are part of this PowerHA for i volume set: IBM PowerHA SystemMirror for i: Preparation, SG24-8400 IBM PowerHA SystemMirror for i: Using IBM Storwize, SG24-8402 IBM PowerHA SystemMirror for i: Using Geographic Mirroring, SG24-8401 Important: The information that is presented in this volume set is for technical consultants, technical support staff, IT architects, and IT specialists who are responsible for providing HA and support for IBM i solutions. If you are new to HA, review the information that is presented in the first book of this volume set, IBM PowerHA SystemMirror for i: Preparation (Volume 1 of 4), SG24-8400, to get a general understanding of clustering technology, independent auxiliary storage pools (IASPs), and the PowerHA architecture.