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# Microsoft Server 2008

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*Microsoft  
Server 2008*

2023-09-13

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**NATALIE LAWRENCE**

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Windows Server 2008 R2  
Remote Desktop Services

Resource Kit Sams  
Publishing

Windows Server 2008:  
The Definitive Guide is a  
complete soup-to-nuts  
reference and practical

guide to everything in the  
latest release of  
Microsoft's widely used  
server operating system.  
With this book, you'll  
come away with a firm

understanding of what's happening under the hood of the server, with a thorough discussion and treatment of each of its major components. You'll find complete coverage of: Indispensable features such as the Domain Name System, Active Directory, and User Services New features such as the Internet Information Services 7, Server Core, and Windows Terminal Services And much more This is the only book you need to become familiar with Windows Server 2008. Whether you're an

experienced system administrator or one who's just beginning, you'll turn to this practical and comprehensive guide again and again when you need to understand this complex but adaptable product. [Microsoft Windows Server 2008 R2 Administration Instant Reference](#) Pearson Education Get up and running on Microsoft Windows Server 2008 with ease This hands-on guide covers all the essentials of deploying and administering the latest

release of Microsoft's powerful, versatile network operating system. Using clear screenshots and step-by-step instructions, [Microsoft Windows Server 2008: A Beginner's Guide](#) shows you how to set up the server, migrate from earlier versions, and handle networking, administration, storage, and security. You'll also get details on the new Web tools and management utilities available in Windows Server 2008. Install, configure, and deploy

Windows Server 2008 Set up and manage a network Work with Active Directory and Domains Set up communications features and an Internet connection Install, customize, and maintain Internet Information Services (IIS) 7 Configure a VPN server and client Set up Terminal Services and Remote Desktop Manage storage and file systems Secure your Windows Server environment Set up and manage printing and faxing Use the built-in management tools,

including Server Manager and group policies  
*The Complete Guide to Windows Server 2008*  
Pearson Education  
This version of the Server Bible will be the largest yet, catering to what is certainly the most advanced operating system introduced by Microsoft. The book will cater to the needs of the server administration community and will be designed to be a critical reference. The book will extensively cover the most notable new feature of Windows Server known

as the "Server Core."  
Server Core is a significantly scaled-back installation where no graphical shell (explorer.exe) is installed, and all configuration and maintenance is done entirely through the command-line windows, or by connecting to the machine remotely using Microsoft Management Console. Server Core will also not include the .NET Framework, Internet Explorer or many other features not related to core server features. A Server Core machine can

be configured for four basic roles: Domain controller, DNS Server, DHCP Server, and file server. Chapters on setup and installation will also cover the new componentized operating system Image-based setup and deployment tools, using WIM. In addition to the already extensive Active Directory support this book will now fully cover the "Read-Only Domain Controller" operation mode in Active Directory, intended for use in branch office scenarios where a domain

controller may reside in a low physical security environment, was introduced in Windows Server 2003 R2 and will be extended in the 2008 version. Chapters covering policy-based networking, branch management and enhanced end user collaboration will be extended. Windows Server 2008 will also ship Internet Information Services 7 and the current chapters on IIS will thus be extended. Coverage of Windows SharePoint Services 3.0 will also be

introduced into this part of the book. We will also include coverage of the improved hot patching technology, which is a feature that allows non-kernel patches to occur without the need for a reboot. A significantly upgraded Terminal Services component, supporting RDP 6.0. will be covered in the chapter on terminal services. The most notable improvement is the ability to share a single application over a Remote Desktop connection, instead of the entire

desktop. This will be added to an already extended chapter on this remote access technology. In addition to these new features the book will also carry over existing features brought over from (SP1/R2) of Server 2003. These include covering of new security features of the operating system, Group Policy management, change control and service level, and administration practices. Windows Server 2008 PKI and Certificate Security  
John Wiley & Sons

Featuring six comprehensive volumes-- in print and on the CD-- this official Microsoft RESOURCE KIT delivers the in-depth information you need to plan, implement, and manage your Windows Server 2008 systems. You get authoritative technical guidance from those who know the technology best-- leading industry experts and the Microsoft Windows Server team. Plus, hundreds of scripts, 2,200+ pages of bonus content, and other essential resources. YOUR

KIT INCLUDES: 6 print volumes--4,400+ pages-- of in-depth reference and best practices 400+ customizable scripts for Windows administration tasks Links to downloadable tools for IIS, Windows PowerShell, Microsoft Systems Center Operations Manager, Microsoft Network Monitor, and more eBooks for all 6 Resource Kit volumes Templates, worksheets, job aids Links to technical references, step-by-step guides, webcasts, and other resources Bonus eBook--

Understanding IPv6, Second Edition Bonus eBook--Windows Server 2008 TCP/IP Protocols and Services Bonus eBook--TCP/IP Fundamentals for Microsoft Windows 20 sample chapters from related Microsoft Press books Author Extras For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

*Microsoft Windows Server 2008: A Beginner's Guide*  
McGraw Hill Professional  
Microsoft's new GUI-less

Server Core is a command line version of Windows Server 2008 that offers better security, reduced size, and faster access. Inside this comprehensive guide, you'll find everything you need to quickly master this sleek new version. Packed with instructions and practical examples, this book teaches you how to operate in a windowless environment, including using all the commands, creating BAT files, working with scripts, using registry hacks, managing remote

systems, and more.

Includes best practices, 52 indispensable command line tricks, and an alphabetical list of all the commands.

**Windows Server 2008 R2 Unleashed** John Wiley & Sons

Learn to automate the top server operating system, Windows Server 2008 R2 Windows PowerShell 2.0 allows you to automate nearly any task for managing Windows Server, going from dozens of clicks to a single command, and repeated tasks to automated tasks.

Using screen shots and helpful exercises, this book walks you through the many benefits of automating Windows Server with PowerShell 2.0, such as allowing for scalable, flexible, and rapid deployments and changes; increasing cost effectiveness; providing a timely return on IT investment; lowering labor headcount; creating secure computing environments; and establishing reliable enterprise infrastructures. In addition, real-world examples provide

reinforced learning, aimed at ensuring that you work as efficiently and effectively as possible by automating both simple and complex administrative tasks with Powershell 2.0. Explains how to automate both simple and complex tasks in Windows Server 2008 R2 with Powershell 2.0 Addresses how Windows Server 2008 R2 comes with more than 550 cmdlets, allowing you to automate nearly anything Offers numerous real-world examples, end-of-chapter exercises, and

helpful screen shots to reinforce your learning process The power is in your hands! Start working smarter, not harder, by automating Windows Server 2008 R2 tasks with Powershell 2.0.  
*Mastering Microsoft Windows Server 2008 R2*  
Sams Publishing  
The Microsoft Windows Server 2008 R2 Administrator's Reference is the essential guide to deploying, configuring, and administering a Windows Server 2008 R2 infrastructure. This book includes in-depth

discussions and step-by-step exercises to help administrators of all skill levels manage and maintain the Windows Server 2008 R2 family of operating systems. This reference will give you insights to designing, troubleshooting, and upgrading to Windows Server 2008 R2 and use detailed exercises to walk you through installing and configuring features such as Hyper-V, DirectAccess, Remote Desktop Services, BranchCache, and Active Directory. Whether you are supporting a small

Windows network or large enterprise, this reference will provide you with the knowledge needed to maintain a reliable and healthy Windows Server deployment. Features information on how to plan, deploy, and administrate Windows Server 2008 R2 using best practice guidance Provides in-depth coverage of Hyper-V, DirectAccess, Remote Desktop Services, Active Directory, and BranchCache Includes Delta Changes to allow experienced

administrators to quickly gain insight to changes between Windows Server 2008 and Windows Server 2008 R2.

Mastering Microsoft  
Windows Server 2008 R2

Pearson Education

Get in-depth guidance for designing and implementing certificate-based security solutions—straight from PKI expert Brian Komar. No need to buy or outsource costly PKI services when you can use the robust PKI and certificate-based security services already built into



Windows Server 2008! This in-depth reference teaches you how to design and implement even the most demanding certificate-based security solutions for wireless networking, smart card authentication, VPNs, secure email, Web SSL, EFS, and code-signing applications using Windows Server PKI and certificate services. A principal PKI consultant to Microsoft, Brian shows you how to incorporate best practices, avoid common design and implementation mistakes,

help minimize risk, and optimize security administration. *Microsoft Windows Server 2008* Syngress Maintain a dynamic, reliable, and secure Windows Server 2008 environment Exploit the powerful management, networking, and security tools in Windows Server 2008 using the comprehensive information contained in this real-world resource. Written by a seasoned Windows systems engineer, Microsoft Windows Server 2008

Administration lays out each feature alongside clear explanations, practical examples, and hands-on exercises. Inside, you'll learn how to deploy Windows Server 2008, use the new, integrated Server Manager tool, handle Internet services and remote access, and fine-tune performance. You'll also learn how to automate administrative tasks, create reliable system backups, and harden your server's defenses. Perform typical and Server Core

installations of Windows Server 2008 Modify system and component settings using the new Server Manager Administer users, groups, and computers with Active Directory Deliver robust web and FTP hosting using IIS 7.0 and ASP.NET Monitor stability and performance with Windows System Resource Manager Manage security using NAP, IPSec, 802.1x, and DHCP enforcement Encrypt data with Active Directory Certification Services and PKI Provide

secure remote access using Terminal Services and RRAS Handle Windows DNS, BitLocker Drive Encryption, and Itanium support Build Windows PowerShell scripts to perform repetitive management jobs

**Introducing Windows Server 2008** John Wiley & Sons

Windows Server 2008 R2 Unleashed is the most comprehensive and realistic guide to planning, design, prototyping, implementation, migration, administration,

and support. Based on the authors' unsurpassed experience working with Windows Server 2008 R2 since its earliest alpha releases, it offers indispensable guidance drawn from hundreds of production environments. Microsoft MVP Rand Morimoto and his colleagues systematically introduce Windows Server 2008 R2 to IT professionals, identifying R2's most crucial enhancements and walking through every step of installation and configuration. Next, they

present comprehensive coverage of every area of Windows Server 2008 R2, including Active Directory, networking services, security, R2 migration from Windows Server 2003 and 2008, administration, fault tolerance, optimization and troubleshooting, core application services, and more. The authors thoroughly address major Windows Server 2008 R2 enhancements and present extensive coverage of R2 innovations ranging from Hyper-V virtualization to

DirectAccess and the enhancements in Failover Clustering. Every chapter contains tips, tricks, and best practices learned from actual deployments: practical information for using Windows Server 2008 R2 to solve real business problems. Detailed information on how to... Plan and migrate from Windows Server 2003/2008 to Windows Server 2008 R2 and use R2's new server migration tools Manage Active Directory with Active Directory Administrative Center, Best Practice

Analyzer, and PowerShell scripts Use R2's updated security tools and templates to lock down servers, clients, and networks Maximize availability with Windows Server 2008 R2 clustering, fault tolerance, and replication Streamline client management with new Group Policy ADMX settings and management tools Improve remote access using DirectAccess, Remote Desktop Services (formerly Terminal Services), and Virtual Desktop Infrastructure

Implement Hyper-V virtualization including the built-in Live Migration technology Leverage additions such as Windows SharePoint Services, Windows Media Services, and IIS 7.5  
*Windows Server 2008 R2 Secrets* John Wiley & Sons  
 “This book is an invaluable one-stop reference for deploying, configuring, and managing Windows Server 2008. It’s filled with John’s unique and hard-earned nuggets of advice, helpful scripts, and shortcuts that will

save you time and money.” --Mark Russinovich  
*The Start-to-Finish, Comprehensive Windows Server 2008 Book for Every Working Administrator and Architect*  
 To make the most of Windows Server 2008 in production environments, you need a deep understanding of its technical details. However, accurate and reliable information is scarce, and even most skilled Windows professionals don’t know Windows Server 2008 as well as they should. The

*Complete Guide to Windows Server 2008* brings together more than 1,500 pages of practical Windows Server 2008 insight and in-depth knowledge that you can’t find anywhere else, all based on final code. John Savill—one of the world’s most visible and trusted experts on Windows Server technology—specializes in helping real companies use Windows Server 2008 to run their businesses. His access to Microsoft’s product team as a Microsoft MVP and one of

50 elite “Windows Server 2008 Delta Force Rangers” benefited this book’s accuracy and value. Coverage includes Deployment planning, implementing, and managing new features, including Windows Server Core and Hyper-V virtualization Choosing the right installation and upgrade options for your environment Securing Windows Server 2008: authentication, authorization, BitLocker, certification services, and more Implementing TCP/IP, advanced network

services, remote access, and thin-client Terminal Services Active Directory in depth, including Federated Services, Lightweight Directory Services, and Rights Management Providing high availability through Network Load Balancing and failover clustering Using Windows Deployment Services to quickly deploy multiple servers Supporting complex distributed environments with the Distributed File System Automating server management with

PowerShell and the command prompt Integrating Windows Server 2008 with UNIX, Linux, and legacy NetWare servers Troubleshooting Windows Server 2008 and Vista environments, including an intuitive “how to” index to quickly locate answers to commonly asked questions [www.savilltech.com/compl eteguidetowindows2008](http://www.savilltech.com/compl eteguidetowindows2008) Windows Server 2008 Unleashed Microsoft Press Using the Hyper-V virtualization capabilities built into Windows Server

2008, organizations can slash costs for power, space, and maintenance, and dramatically improve IT flexibility at the same time. This is the first book to offer comprehensive, independent, real-world coverage of planning, designing, implementing, and supporting Windows Server 2008 Hyper-V virtualization environments. Authored by Rand Morimoto and Jeff Guillet—top consultants of Microsoft technologies with unsurpassed experience deploying Hyper-V in enterprise

organizations—this book delivers start-to-finish guidance for every facet of your virtualization initiative. Leverage the experience from hundreds of real world implementations of Hyper-V and Virtual Machine Manager 2008 in your deployment of a virtualized server environment Implement best practices for planning, prototyping, and deploying Hyper-V—including strategies, processes, and templates Install and configure Windows 2008 Server

with Windows Hyper-V Services Provide guest operating systems ranging from Windows 2003 Server to Linux Administer Hyper-V Host Servers as standalone hosts or in multiple host environments Optimize Hyper-V Host Server and guest sessions, by efficiently allocating memory, processors, disk space, and other resources Move from basic server virtualization to a systematically managed virtual enterprise environment Use Virtual Machine

Manager 2008 to centrally monitor all your Hyper-V hosts and guest sessions Quickly provision new guest images wherever and whenever you need them Implement reliable failover processes to overcome failures in guest sessions, host systems, or sites Troubleshoot problems with both Hyper-V hosts and guest operating systems

**Windows Server 2008 R2 Hyper-V** John Wiley & Sons

Get the definitive, in-depth resource for designing, deploying, and

maintaining Windows Server 2008 Active Directory in an enterprise environment. Written by experts on directory services and the Active Directory team at Microsoft, this technical resource is packed with concrete, real-world design and implementation guidance. You'll get in-depth guidance on installation, Active Directory components, replication, security, administration, and more. You also get answers to common questions from network

architects, engineers, and administrators about Windows Server 2008 Active Directory—plus scripts, utilities, job aids, and a fully searchable eBook on CD. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

*Administering Windows Server 2008 Server Core* Pearson Education

If you need to deploy, manage, or secure Microsoft SQL Server 2008, this is the

complete, fast-paced, task-based reference you've been searching for. Authored by a world-class expert on SQL Server in the enterprise, this book goes far beyond the basics, taking on the complex tasks that DBAs need to make the most of Microsoft's flagship database platform. SQL Server MVP, Ross Mistry presents proven techniques for SQL Server 2008 installation, upgrades, backup/restore, data transfer, indexing, high availability, security, and much more. He draws

on extensive testing in high-profile production environments to offer step-by-step solutions and powerful tips you won't find anywhere else. Every chapter begins with a section identifying SQL Server 2008's most significant new improvements, and concludes with a convenient summary of best practices. Each chapter also outlines the benefits of leveraging Windows Server 2008. Understand how to: Master DBA tips, tricks, and best practices proven

in actual enterprise environments Install, upgrade or transition to SQL Server 2008. Harden and Secure an implementation. Encrypt SQL Server from an end-to-end perspective. Implement high availability—and leverage SQL Server 2008's major improvements to failover clustering and database mirroring Save time with SQL Server 2008's new policy-based management tools Performance tune and troubleshoot a SQL Server 2008 environment. Optimize application



performance and manage workloads with the powerful new Resource Governor Implement Performance Studio, maintenance plans, Transparent Data Encryption and much more... Bonus Content: The book is based on Windows Server 2008 Step by step instructions of how to implement a failover cluster on Windows Server 2008 SQL Server PowerShell Administration Tasks Consolidate and virtualize SQL Server with Hyper-V Step by step instructions

on how to install Hyper-V Proactively Monitor SQL Server with Operations Manager Install Windows Server 2008 certificates to encrypt SQL Server data Contributing Writers include: Hilary Cotter - SQL Server MVP John Welch - SQL Server MVP Marco Shaw - PowerShell MVP Maciej Pilecki - SQL Server MVP Shirmattie Seenarine - Technical Writer

**Microsoft Windows Server 2008 R2 administrator's reference : the essential guide**

eBookFrenzy  
Get the inside scoop on Hyper-V for Windows Server 2008 R2  
Virtualization is a top priority for thousands of companies all over the world. Written by an author team that is part of the Windows virtualization group at Microsoft, Windows Server 2008 R2 Hyper-V will walk you through Hyper-V essentials so you can get you up to speed and down to business with Hyper-V. Now fully updated for Windows Server 2008 R2 Hyper-V, you will find

additional content on new features and capabilities such as Live Migration and support for 64 Logical Processors (LP). Teaches how to manage virtual machines with the latest System Center tools such as Virtual Machine Manager 2008 R2, Data Protection Manager 2010, and Operations Manager 2007 R2. Covers all of the new functionalities of Windows Server 2008 R2 Hyper-V, including Live Migration, 64 LP support, Processor Compatibility Mode, enhanced processor functionality

support, hot-add and remove of storage, TCP Offload support, and VM Queue support. Demonstrates key scenarios for Hyper-V, including server consolidation, testing and development, Business Continuity and Disaster Recovery, and Dynamic IT. Provides step-by-step instructions and examples. This insiders guide will help you get the most out of your hardware and reduce cost with Windows Server 2008 R2 Hyper-V.

**Microsoft Windows Server 2008 R2**

**Administration Instant Reference** John Wiley & Sons

Hyper-V is one of the top virtualization products, and this practical guide focuses on the essentials of Windows Server 2008 Hyper-V. Written by the Microsoft team behind the Hyper-V product, this book shows you how to perform key virtualization scenarios, such as server consolidation, software test and development, and a dynamic data center and demonstrates how Hyper-V can be used to reduce cost and

eliminate the complexity of a server infrastructure by consolidating workloads to a small number of machines. In addition, the material addresses using DPM, and SCOM with VMM in order to maintain and manage Hyper-V environments.

**Windows Server 2008 Inside Out** Pearson

Education

If you're curious, but hesitant, about finding your way around Microsoft's new Windows Server 2008, *Windows Server 2008 For Dummies* is the book for you. This

friendly reference shows you everything you need to know — from installation and deployment to building and running a Windows Server 2008 network. Server-based networking really is a big deal, and this 100% plain-English guide helps you make the most of it. You'll find out about Windows Server 2008's important functions, capabilities and requirements; develop a network implementation plan; take a step-by-step walkthrough of the installation process; and

get valuable tips on how to boost your bandwidth beyond belief! Before you know it, you'll be configuring connections to the Universe, working with active directory, and treating domains and controllers like old pals. Discover how to: Build and connect your network Install and configure Windows Server 2008 Set up and manage directory services Manage users and groups Install and manage print servers Secure your network Troubleshoot active networks Plan for

installing Active Directory Proclaim and manage your own domain Resolve names between TCP/IP and NetBIOS Manage shares, permissions, and more Develop and implement a regular backup protocol Windows Server 2008 For Dummies may be easy-going, but it's simply packed with need-to-know stuff that will send you diving into Windows Server 2008 experience just for the fun of it. So start now!  
[Windows Server 2008 Resource Kit](#) Pearson Education

Unbeatable advice and expert tips for administering, upgrading or migrating to Windows Server 2008 R2 If you're a Windows Server 2008 system administrator, this is a reference you'll want to keep on hand. Written by a Microsoft MVP who has multiple MCITP certifications and bestselling author, this book gives you invaluable tips and unbeatable advice for deploying and managing Windows Server 2008 R2. Covering all aspects of the operating system in an

easy-to-follow, easy-access format, the book reveals helpful and advanced secrets on configuring Windows roles like DirectAccess, BranchCache, Active Directory maintenance, setting up remote access, and much more. Written by Microsoft Certified Information Technology Professional (MCITP) and bestselling author Orin Thomas, who is a well-known expert in the Windows space and a Microsoft MVP Provides practical advice and expert insights on

upgrading, migrating to, or deploying the Windows Server 2008 R2 operating system Covers Active Directory deployment, maintenance, network infrastructure security, shared folders, data protection, and secrets for monitoring Features personalized notations, interior elements, highlighted areas, and other ways to help you quickly spot scenarios and solutions Windows Server 2008 R2 Secrets is like having your own, built-in Windows Server 2008 R2 expert on hand, who can

help you avoid mistakes and save time!

**Windows Server 2008 Bible** Sams Publishing

The one book you absolutely need to get up and running with Windows Server 2008 R2. One of the world's leading Windows authorities and top-selling author Mark Minasi explores every nook and cranny of the latest version of Microsoft's flagship network operating system, Windows Server 2008 R2, giving you the most in-depth coverage in any book on the market.

Focuses on Windows Windows Server 2008 R2, the newest version of Microsoft's Windows' server line of operating system, and the ideal server for new Windows 7 clients Author Mark Minasi is one of the world's leading Windows authorities and has taught tens of thousands of people to design and run Windows networks Covers Windows storage concepts and skills, Windows Server 2008 IP, WINS, NetBIOS, LMHosts, DNS, creating the simple Active Directory, and

creating and managing user accounts Explains Group Policy in Active Directory; files, folders and shares; Sysvol, old and new; sharing printers on the network; remote server administration; connecting Windows clients to your network;

working the Web with IIS 7.0; and AD maintenance and recovery Provides workarounds for things that don't quite work as they should and how-tos for many undocumented features Find out everything you want to know-and then some!  
*Windows Server 2008 All-*

*In-One Desk Reference For Dummies* John Wiley & Sons  
Get a head start evaluating Windows Server 2012 R2 - with technical insights from a Microsoft MVP and members of the Windows Server product team.