

Windows Server 2008 Troubleshooting Guide

Prepare for certification in Windows 7 configuration with this all-new study guide This comprehensive book guides readers through preparation for Microsoft's brand new MCTS: Windows 7, Configuring exam (70-680). You'll find 100% coverage of all exam objectives; practical, real-world scenarios; hands-on exercises, and challenging review questions, both in the book and on the CD included with the book. Prepares you for the new exam 70-680, the Microsoft Certified Technology Specialist certification for Windows 7; Windows 7 is Microsoft's new operating system releasing in late 2009 Shows you how to install, configure, and maintain Windows 7 for the exam Covers upgrading and migrating; deploying Windows 7; configuring hardware applications, network connectivity, access to resources, and mobile computing; monitoring and maintaining; handling backup and recovery, and more This is the ideal guide to prepare you for Microsoft's new Windows 7 certification.

Find all the information you need to manage and maintain Active Directory in Mastering Active Directory for Windows Server® 2008, an in-depth guide updated with over 300 pages of new material. Revised to address the new components, enhancements, and capabilities brought by Windows Server 2008 to the directory services, this book covers domain name system design, Active Directory forest and domain design, maintaining organizational units, managing group policy, implementing best practices, and more. Expect high-level coverage of the new version of Microsoft's powerful user authentication and authorization tool, fully updated for Windows Server 2008.

SQL Server 2008 is how-to guide for experienced DBAs.

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Tutorial-based, this book will get you over the learning curve of how to configure and administer SQL Server 2008.

Whether you're an administrator or developer using SQL Server, you can't avoid wearing a DBA hat at some point. The book is loaded with unique tips and workarounds for the most difficult SQL Server admin issues, including managing and monitoring SQL Server, automating administration, security, performance tuning, scaling and replications, clustering, and backup and recovery. A companion website is also available.

This book shows you how to use PowerShell to quickly pinpoint, diagnose, and solve problems with your Windows Server environment, reducing the need for external tools, and ensuring you stay up-to-date with PowerShell as it quickly becomes one of the most useful tools in an administrator's toolkit. Authors Derek Schauland and Donald Jacobs take you through a range of examples, showing you how to gather information from different computer sources. Whether you are logged into the server locally or just wanting to check the status of a server from your local computer, the right PowerShell cmdlets can give you a lot of information quickly, and allow you to troubleshoot your servers from the command line with little interaction with the server's desktop. In this book, you'll learn how PowerShell can help you: Understand PowerShell versus the GUI Gather information from Windows event logs Gather information from your server, including memory, hardware configurations, and disk space available Find out what applications are installed on a server Find out which Windows updates have been installed on your computer Check the processes running on your computer and gather information about them, or start and stop them from the command line Quickly check if services are running, and stop or start them as needed Who This Book Is For Windows Administrators, IT Professionals and support personnel needing ways to quickly find and troubleshoot issues in their

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environment using the included tools. Those entering IT or wishing to develop their PowerShell skills will also benefit from this book.

Master Windows Server 2008 and navigate every detail of Microsoft's new MCITP: Windows Server 2008 Server Administrator exam with the information in MCITP: Windows Server 2008 Administration Study Guide (Exam 70-646, with CD). Learn the infrastructure, Web, and IT application servers and also how to use scripts and batch files to accomplish tasks on a regular basis. As a Server Administrator, you will understand how to manage the server operating system, file, and directory services, distribute software, patches, and updates, profile and monitor assigned servers, and troubleshoot. For Instructors: Teaching supplements are available for this title.

Prepare for the MCSA Windows Server 2012 R2 Exams Microsoft's new version of the MCSA certification for Windows Server 2012 R2 requires passing three exams (or one Upgrade exam if you have your MCSA or MCITP in Windows Server 2008). This value-priced study guide includes more than 1,000 pages of quality exam-prep content, covering 100% of the objective domains of all three exams (as well as the Upgrade exam, 70-417). In addition, you get access to an interactive practice test environment with more than 500 questions, electronic flashcards, and videos showing how to perform the more difficult tasks. Both first-time MCSA candidates and those wishing to upgrade from Server 2008 certification will benefit from this complete test-prep guide. Completely updated to cover the Windows Server 2012 R2 Exams Provides a comprehensive study guide for all three MCSA Windows Server 2012 R2 exams: 70-410, 70-411, and 70-412, as well as the Upgrade exam: 70-417 Covers installing and configuring Windows Server 2012; deploying and configuring DNS service; administering

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Active Directory; creating and managing Group Policy Objects; and configuring server roles and features, Hyper-V, and core networking services Explains basic networking concepts, DHCP, deploying and maintaining servers, configuring a network policy server infrastructure and high availability in Windows Server 2012, and much more Features real-world scenarios, hands-on exercises, practice exam questions, electronic flashcards, and over an hour of video demonstrations Covers all exam objectives MCSA Windows Server 2012 R2 Complete Study Guide arms you with all the information you must master to achieve MCSA certification on Windows Server 2012 R2.

Microsoft Windows Server 2008 R2: The Administrators Essential Reference introduces the Windows Server 2008 R2, which is Microsofts flagship server operating systems latest release. The book explores its features; describes differences between the available editions; and discusses its deployment. After introducing Windows Server 2008 R2, the book explains its installation and configuration processes followed by its networking. It also examines different features, such as the active directory, internet information services 7.5, Hyper-V, and PowerShell V2. It discusses securing Windows Server 2008 R2 files and its print services, remote desktop services, high-availability and recovery features, and monitoring and troubleshooting; in addition, their delta changes are discussed in the final chapter. The book also explores the features that influence both Windows Server 2008 R2 and Windows 7. These features allow the server operating system to work with Windows 7. One feature is the BranchCache, which offers users who open files across a Wide Area Network a better end-user experience by caching copy in the branch office when a document or intranet Web site is opened for the first time. Another feature is DirectAccess, which is the new remote connectivity solution for Windows

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networks. 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

“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

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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/completeguidetowindows2008

A hands-on resource for SQL Server 2008 troubleshooting methods and tools SQL Server administrators need to ensure that SQL Server remains running 24/7. Authored by leading SQL Server experts and MVPs, this book provides in-depth coverage of best practices based on a deep understanding of the internals of both SQL Server and the Windows operating system. You'll get a thorough look at the SQL Server database architecture and internals as well as Windows OS internals so that you can approach troubleshooting with a solid grasp of the total processing environment. Armed with this comprehensive understanding, readers will then learn how to use a suite of tools for troubleshooting performance problems whether they originate on the database server or operating system side. Topics Covered: SQL Server Architecture Understanding Memory SQL Server Waits and Extended Events Working with Storage CPU and Query Processing Locking and Latches Knowing Tempdb Defining Your Approach To Troubleshooting Viewing Server Performance with PerfMon and the PAL Tool Tracing SQL Server with SQL Trace and Profiler Consolidating Data

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Collection with SQLDiag and the PerfStats Script Introducing RML Utilities for Stress Testing and Trace File Analysis Bringing It All Together with SQL Nexus Using Management Studio Reports and the Performance Dashboard Using SQL Server Management Data Warehouse Shortcuts to Efficient Data Collection and Quick Analysis Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

The study guide helps you master all the topics on the MCSA 70-410 exam, including the following: Installing and configuring Windows Server 2012 Configuring storage, shares, and permissions Configuring and monitoring print and document services Configuring Hyper-V and Hyper-V Network Virtualization Configuring IPv4 and IPv6 Addressing Configuring DHCP and DNS Managing and Configuring Active Directory Domain Services Securing Windows Server 2012 MCSA 70-410 Cert Guide: Installing and Configuring Windows Server 2012 R2 is a best-of-breed exam study guide. Best-selling authors and expert instructors Don Poulton and David Camardella share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. The companion CD contains the powerful Pearson IT Certification Practice Test engine, complete with hundreds of exam-realistic questions. The assessment

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engine offers you a wealth of customization options and reporting features, laying out a complete assessment of your knowledge to help you focus your study where it is needed most. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The CD contains two free, complete practice exams. Includes Exclusive Offer for 70% Off Premium Edition eBook and Practice Test Don Poulton (A+, Network+, Security+, MCSA, MCSE) is an independent consultant who has worked with computers since the days of 80-column punch cards. He has consulted extensively with training providers, preparing study materials for Windows technologies. He has written or contributed to several Que titles, including Security+ Lab Manual, MCSA/MCSE 70-299 Exam Cram 2, MCTS 70-620 Exam Prep, and MCSA 70-687 Cert Guide: Configuring Microsoft Windows 8.1. David Camardella, an expert on deploying and administering Microsoft technologies, has served as technical reviewer on several previous Pearson Microsoft certification titles. Efficiently prepare for the Windows Server 2008 certification exam with MCTS: Windows Server 2008 Network Infrastructure Configuration: Exam 70-642, a comprehensive study tool that will guide you through everything you need to know for the test. This study guide includes 100% coverage of the exam objectives, real world scenarios, hands-on exercises, and challenging review questions, both in the book and on the CD. With Microsoft's release of Windows Server 2008 and a new generation of certification exams, you have more reason than ever to certify your expertise. For Instructors: Teaching supplements are available for this title. With Microsoft's release of Windows Server 2008 and a new generation of certification exams, IT administrators have more

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reason than ever to certify their expertise in the world's leading server software. Inside, find the full coverage you need to prepare for Exam 70-640: Windows Server 2008 Active Directory, Configuring, one of three specializations in the Microsoft Certified Technology Specialist (MCTS) certification track. You'll find full coverage of all exam objectives, practical exercises, real-world scenarios, challenging review questions, and more. For Instructors: Teaching supplements are available for this title.

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!

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The techniques in this book apply to beginners who have just started to learn PowerShell, as well as advanced scripters who have a good grasp of the language.

This comprehensive guide offers 100 percent coverage of the exam's objectives, real-world scenarios, hands-on exercises, and challenging review questions Prepares readers to configure terminal services, Web Services infrastructure, security for Web Services, communication services, and file and print services The newest set of Microsoft Certified Technology Specialist (MCTS) and Microsoft Certified Information Technology Professional (MCITP) certifications will include exams on Windows Server 2008, and this book is a must-have for those who are looking to upgrade their certifications For Instructors: Teaching supplements are available for this title.

Windows Server® 2008 Portable Command Guide MCTS 70-640, 70-642, 70-643, and MCITP 70-646, 70-647 Darril Gibson All the MCTS 70-640, 70-642, 70-643, and MCITP 70-646, 70-647 Commands in One Compact, Portable Resource Maximize your efficiency as a Windows Server 2008 administrator, and master the commands, keywords, command arguments, options, and prompts covered on Microsoft's MCTS 70-640, MCTS 70-642, MCTS 70-643, MCITP 70-646, and MCITP 70-647 exams! This easy, handy reference brings together all the techniques, tips, tools, and examples you'll need. It's your perfect take-anywhere guide to running Windows Server 2008 and R2 environments—and passing Microsoft's five key Windows Server 2008 administration exams. Covers all the commands you need to score higher on your MCTS 70-640, 70-642, 70-643, and MCITP 70-646 and 70-647 exams! Master the command prompt in Windows Server 2008 and Windows Server 2008 R2 Manipulate files, folders, and shares Write effective batch files Manage and troubleshoot DNS with dnscmd and

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nslookup Manage and troubleshoot Active Directory—from basic and advanced ds commands through replication Work with group policy and the Security Configuration Wizard Configure Server Core, including roles and remote administration Control services, routing, printers, licensing, activation, event subscriptions, and more Troubleshoot networking, reliability, and performance Utilize Terminal Services and Remote Desktop Services Create and manage server roles from the command line Administer Windows Server 2008 with PowerShell and VB scripts Your Perfect Take-Anywhere Windows Server 2008 Command Resource! Covers commands on the MCTS 70-640, MCTS 70-642, MCTS 70-643, MCITP 70-646, and MCITP 70-647 exams Includes important administration commands that aren't on the exams Packed with realistic scenarios, high-efficiency examples, and expert tips Category: Microsoft Certification Covers: Windows Server 2008 Exams (MCTS 70-640, 70-642, 70-643, and MCITP 70-646, 70-647)

This book gives Abaqus users who make use of finite-element models in academic or practitioner-based research the in-depth program knowledge that allows them to debug a structural analysis model. The book provides many methods and guidelines for different analysis types and modes, that will help readers to solve problems that can arise with Abaqus if a structural model fails to converge to a solution. The use of Abaqus affords a general checklist approach to debugging analysis models, which can also be applied to structural analysis. The author uses step-by-step methods and detailed explanations of special features in order to identify the solutions to a variety of problems with finite-element models. The book promotes:

- a diagnostic mode of

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thinking concerning error messages; • better material definition and the writing of user material subroutines; • work with the Abaqus mesher and best practice in doing so; • the writing of user element subroutines and contact features with convergence issues; and • consideration of hardware and software issues and a Windows HPC cluster solution. The methods and information provided facilitate job diagnostics and help to obtain converged solutions for finite-element models regarding structural component assemblies in static or dynamic analysis. The troubleshooting advice ensures that these solutions are both high-quality and cost-effective according to practical experience. The book offers an in-depth guide for students learning about Abaqus, as each problem and solution are complemented by examples and straightforward explanations. It is also useful for academics and structural engineers wishing to debug Abaqus models on the basis of error and warning messages that arise during finite-element modelling processing.

Offering a wealth of hands-on activities, MCSA Guide to Configuring Advanced Microsoft Windows Server 2012 /R2 Services, Exam 70-412 empowers students to successfully pass the MCSE/MCSA certification exam while preparing them to face the real-world challenges of a Microsoft networking professional. This engaging text equips readers with the skills necessary to configure advanced services and features in Windows Server 2012/R2. Comprehensive coverage includes advanced Active Directory configuration, advanced network services configuration, Dynamic Access Control (DAC)

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and IP Address Management (IPAM), server high availability and disaster recovery, and identity and access solutions, among other topics. In addition, hands-on labs and skill-reinforcing case projects give students plenty of opportunity to put what they learn into real-world practice. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Learn, prepare, and practice for Microsoft MCTS 70-642 exam success with this MCTS 70-642: Windows Server 2008 Network Infrastructure, Configuring Cert Guide from Pearson IT Certification, a leader in IT Certification learning. This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Master Microsoft's MCTS 70-642 exam topics. Assess your knowledge with chapter-ending quizzes. Review key concepts with exam preparation tasks. MCTS 70-642: Windows Server 2008 Network Infrastructure, Configuring Cert Guide is a best-of-breed exam study guide. Best-selling author and expert instructor Don Poulton shares preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review

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questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your approach to passing the exam. Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA authorized study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The study guide helps you master all the topics on the MCTS 70-642 exam, including IPv4/IPv6 address configuration and troubleshooting DHCP configuration, installation, management, and troubleshooting Routing configuration, tables, RRAS, management, and maintenance Windows Firewall, Advanced Security, and IPsec DNS installation, configuration, zones, replication, and records Client name resolution File services, shared folders, permissions, and encryption DFS, namespaces, and replication Backup/restore File Server Resource Manager (FSRM) Print services Remote Access, VPNs, and NAT

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

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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! This comprehensive, one-volume guide delivers the information you need to successfully deploy, administer, and support Windows Server 2008. The authors—MVP experts in Windows Server technologies—provide easy-to-follow procedures, practical workarounds, and key troubleshooting tactics for everyday, on-the-job results. Delve into core system administration topics, system features, and capabilities—and get expert insights for administering Windows Server 2008. This reference delivers essential information on Active Directory directory service, security issues, disaster planning and recovery, and interoperability with Linux and UNIX. It also includes coverage of Internet Information Services (IIS) 7.0, virtualization, clustering, and performance tuning. With the ADMINISTRATOR'S COMPANION, you get the in-depth information you need in a single volume. Includes a companion CD with a searchable eBook and sample utilities. For customers who purchase

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an ebook version of this title, instructions for downloading the CD files can be found in the ebook. Packed with hands-on activities, MCSA GUIDE TO INSTALLATION, STORAGE, AND COMPUTE WITH MICROSOFT WINDOWS SERVER 2016, EXAM 70-740 equips readers to pass the MCSE/MCSA certification exam while preparing users to become a successful Microsoft networking professional. A clear presentation emphasizes the skills to manage a Windows Server 2016 system and focuses on installation, management, and configuration. Extensive coverage of all exam objectives introduces Windows Server 2016 and covers server installation, server configuration and management, storage and file systems, Hyper-V virtualization, high availability, and server maintenance and monitoring. A full chapter highlights new technologies, including Nano Server and Windows Containers. Unlike many certification-focused books, this edition goes beyond the certification objectives to provide an understanding of the core technologies built into Windows Server. Numerous hands-on activities focus on virtualization. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Windows Small Business Server 2008 provides all the tools small companies need to improve collaboration, enhance productivity, and manage and secure all their information. In this book, a team of leading SBS experts brings together the in-depth knowledge and real-world insights you need to make the most of this state-of-the-art product. Microsoft Most Valuable Professionals Eriq

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Neale and his colleagues cover every facet of planning, deploying, and managing SBS 2008. The authors begin by showing how to install and configure SBS 2008 for maximum efficiency, performance, and ease of administration. You'll learn how to securely utilize SBS 2008's comprehensive Internet, file, and print services; simplify and automate both server and workstation management; and take full advantage of both SharePoint collaboration and Exchange communication tools. This book is packed with expert tips, tricks, and troubleshooting techniques drawn from the authors' unsurpassed experience helping companies succeed with SBS. Whether you're a full-time IT professional or a power user who's managing SBS in your spare time, it will be your most valuable resource. Detailed information on how to... Plan, install, configure, and customize SBS 2008 in any environment Set up and manage SBS 2008-based networks, Web access, and collaboration—including SharePoint Services 3.0 Leverage Remote Web Workplace and other advanced remote access solutions Manage email and other communications with SBS 2008's built-in Microsoft Exchange Server 2007 Centrally control Windows Vista, Windows XP, and other clients Seamlessly integrate Macintosh computers into your Windows network Protect your servers and workstations against both internal and external threats Prepare backups and disaster recovery plans you can actually use in an emergency Streamline and automate administration using Microsoft PowerShell Windows Server 2008 R2 Unleashed is the most comprehensive and realistic guide to planning, design,

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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

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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 add-ons such as Windows SharePoint Services, Windows Media Services, and IIS 7.5

Book + Content Update Program This is the most comprehensive and realistic guide to Windows Server 2016 planning, design, prototyping, implementation, migration, administration, and support. Extensively updated, it contains unsurpassed independent and objective coverage of Windows Server 2016's key innovations, from the cloud and containers to security and mobility. Windows Server 2016 Unleashed reflects the authors' extraordinary experience implementing Windows Server 2016 in large-scale environments since its earliest alpha releases. Microsoft MVP Rand Morimoto and colleagues fully address all aspects of deploying and operating Windows Server 2016, including Active Directory, networking, application services, security, administration, business continuity, virtualization, optimization, and troubleshooting. You'll find up-to-the-minute coverage of new features ranging from Storage Spaces Direct to Cluster-Aware Updating, and Dynamic Access Control to Nano Server. Valuable for Windows pros at all levels, this book will be indispensable especially for intermediate-to-advanced level professionals seeking expert, in-depth solutions.

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Every chapter contains tips, tricks, best practices, and lessons learned from actual deployments—practical help for solving real problems. Detailed information on how to:

- Take full advantage of key Windows Server 2016 innovations
- Plan, prototype, install, migrate to, and deploy Windows Server 2016 and Server Core
- Design a modern Windows Server Active Directory, from OUs and infrastructure to Federated Forests and Lightweight Directories
- Deliver reliable networking services: DNS, WINS, DNSSEC, DHCP, IPv6, IPAM, and IIS
- Systematically harden server-level security
- Protect data in transit with PKI, certificates, rights management, and IPsec encryption
- Safely provide appropriate remote and mobile access for your users
- Efficiently administer, automate, maintain, and document Windows Server production environments
- Control Windows devices centrally with Group Policies and Policy Management
- Implement advanced fault tolerance, clustering, and other business continuity features
- Optimize, tune, and debug Windows Server, and plan for growth
- Leverage integrated application services, including SharePoint and Hyper-V

In addition, this book is part of InformIT's Content Update Program, which provides content updates for major technology improvements! As significant updates are made to Windows Server 2016, sections of this book will be updated or new sections will be added to match the updates to the technologies. As updates become available, they will be delivered to you via a free Web Edition of this book, which can be accessed with any Internet connection. To learn more, visit informit.com/cup. How to access the Web Edition:

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Follow the instructions in the book to learn how to register your book to access the FREE Web Edition. 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.

Packed with a wealth of hands-on activities, MCSA GUIDE TO IDENTITY WITH WINDOWS SERVER 2016, EXAM 70-742 empowers readers to successfully pass the MCSE/MCSA certification exam while also equipping them to face the real-world challenges of a Microsoft

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networking professional. This engaging full-color presentation emphasizes the skills necessary to configure identity management with Windows Server 2016. Comprehensive coverage highlights advanced Active Directory configuration and management, Group Policy, Certificate Services, Identity federation, Web Application Proxy and Active Directory Rights Management. Hands-on labs and skill-reinforcing case projects give users plenty of opportunity to apply concepts to real-world practice. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Master the fundamental concepts of computer operating systems with Tomsho's **GUIDE TO OPERATING SYSTEMS**, 6th Edition. An excellent resource for training across different operating systems, this practical text equips you with key theory and technical information as you work with today's most popular operating systems, including Windows, macOS and Linux platforms. You will learn how general operating systems are organized and function as well as gain hands-on experience with OS installation, upgrading and configuration. Processors, file systems, networking, virtualization, security, device management, storage, OS maintenance and troubleshooting are explored in detail. Content also covers Windows 10 and earlier Windows client OSs, Windows Server 2019 and earlier Windows server OSs, Fedora Linux, and macOS Mojave and earlier. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Learn how to conquer Windows Server 2008—from the inside out! Designed for system administrators, this definitive resource features hundreds of timesaving solutions, expert insights, troubleshooting tips, and workarounds for administering Windows Server 2008—all in concise, fast-answer format. You will learn how to perform upgrades and migrations, automate deployments, implement security features, manage software updates and patches, administer users and accounts, manage Active Directory directory services, and more. With INSIDE OUT, you'll discover the best and fastest ways to perform core administrative tasks, with an award-winning format that makes it easy to find exactly the tips, troubleshooting solutions, and workarounds you need. Plus, the companion CD comes packed with a fully searchable eBook and more than 100 timesaving tools and scripts. With INSIDE OUT, you get all muscle and no fluff! For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

This is the eBook version of the print title. Access to the PDFs on the CD and the practice test engine is available through product registration at Pearson IT Certification - or see instructions in back pages of your eBook. Start-to-finish MCTS 70-680 preparation from top Microsoft technology consultant, trainer, and author Don Poulton! Windows 7 installation, upgrades, and deployment User and application migration Windows 7 deployment Physical and virtual hard disk configuration and management Windows Update Device and application configuration Internet Explorer configuration Networking,

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including TCP/IP configuration Firewall settings Mobile and remote computing Secure access control for local and shared resources System performance management and monitoring Backups, system recovery, and file recovery Test your knowledge, build your confidence, and succeed! Packed with visuals to help you learn fast Dozens of troubleshooting scenarios Real-world MCTS 70-680 prep advice from experts Easy-to-use exam preparation task lists From Don Poulton, professional Microsoft technology consultant, IT training expert, and best-selling exam guide author

This book describes, diagnoses, and solves the most common problems with SQL Server 2005, 2008, and 2008 R2. The authors explain a basic approach to troubleshooting and the essential tools. They explore areas in which problems arise with regularity: high disk I/O (RAID misconfiguration, inadequate I/O throughput, poor workload distribution, SAN issues, disk partition misalignment); high CPU usage (insufficient memory, poorly written queries, inadequate indexing, inappropriate configuration option settings); memory mismanagement; missing indexes; blocking (caused mainly by poorly designed databases that lack proper keys and indexing, and applications that apply needlessly restrictive transaction isolation levels); deadlocking (Bookmark Lookup, Serializable Range Scan, Cascading Constraint); full transaction logs (lack of log backups, hefty index maintenance operations, long running transaction, problems with replication and mirroring environments); and accidentally-lost data. Finally, the authors discuss diagnosing tools such as the

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Performance Monitor, Dynamic Management Views, and server-side tracing. --

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.

The must-have study guide for all three Windows Server 2008 R2 MCTS exams Network administrators boost their value to their employers with certification, and Microsoft's three Windows Server 2008 exams offer certification specialties in configuring Active Directory, Network Infrastructure, and Applications Infrastructure. With complete coverage to prepare you for all three exams, this comprehensive study guide has three times the value. Real-world scenarios and hands-on exercises supplement the information to facilitate learning. The three Windows Server 2008 R2 exams (70-640, 70-642, and 70-643) are the first step in achieving Microsoft Certified Technology Specialist status; this complete study guide covers all three Includes information on installing and configuring Microsoft exchange servers; monitoring and reporting; configuring recipient and public folders, exchange

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infrastructure, disaster recovery, addressing and services, name resolution, network access, and remote desktop services; monitoring and managing network infrastructure; and deploying servers Supplemented with plenty of hands-on exercises and real-world scenarios to prepare you for the exam and the work beyond Anyone planning to take exam 70-640, 70-642, or 70-643 will be better prepared with MCTS: Windows Server 2008 R2 Complete Study Guide.

This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. ¿ Learn, prepare, and practice for MCSA 70-687 exam success with this Cert Guide from Pearson IT Certification, a leader in IT certification.

Master MCSA 70-687 exam topics for Windows 8.1 configuration Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks MCSA 70-687 Cert Guide: Configuring Microsoft® Windows 8.1 is a best-of-breed exam study guide. Best-selling authors and expert instructors Don Poulton, Randy Bellet, and Harry Holt share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. ¿ The book presents you with an organized test preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. ¿ Well-regarded for its level of detail, assessment features, and challenging review questions and exercises, this study guide helps you master the concepts and

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techniques that will enable you to succeed on the exam the first time. ¿ The study guide helps you master all the topics on the MCSA 70-687 exam, including the following: Windows 8.1 introduction Hardware readiness and compatibility Installation and upgrades, including VHDs Migrating users, profiles, and applications Configuring devices and device drivers Installing, configuring, and securing applications Configuring Internet Explorer Configuring Hyper-V virtualization Configuring TCP/IP, network settings, and network security Configuring and securing access to files and folders, including OneDrive and NFC Configuring local security, authentication, and authorization Configuring remote connections and management Configuring and securing mobile devices Configuring Windows Updates Managing disks, backups, and system/file recovery Managing/monitoring system performance ¿

The lab manual provides the hands-on instruction necessary to prepare for the certification exam and succeed as a network administrator. Designed for classroom or self-paced study, labs complement the book and follow the same learning approach as the exam. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. MCSA Guide to Installing and Configuring Microsoft Windows Server 2012 /R2, Exam 70-410 helps readers thoroughly prepare for the MCSE/MCSA certification exam-as well as the real-world challenges of a Microsoft networking professional. Extensive coverage of all exam objectives begins with an introduction to Windows Server 2012/R2 and continues with coverage of server management, configuration of storage, file and printer services, Active Directory , account management, Group Policy, TCP/IP, DNS, DHCP and Hyper-V virtualization. Important Notice: Media content referenced within the product description or the product text may not be

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