

Using Windows Remote Management Winrm To Remotely

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 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)

Get a head start evaluating Windows Server 2016—guided by the experts. Based on Technical Preview 4, John McCabe and the Windows Server team introduce the new features and capabilities, with practical insights on how Windows Server 2016 can meet the needs of your business. Get the early, high-level overview you need to begin preparing your deployment now!

In-depth and comprehensive, this official RESOURCE KIT delivers the information you need to administer Windows 7 in the enterprise. You get authoritative technical guidance from those who know the technology best—Microsoft Most Valuable Professionals (MVPs) and the Windows 7 Team—along with hundreds of scripts and other essential resources on CD. Get expert guidance on how to: Apply best practices for using Microsoft Deployment Toolkit Plan user-state migration; test application compatibility; manage update Manage Group Policy Objects using Windows PowerShell Administer Windows Firewall and Windows BitLocker Implement Ipsec, IPv6, wireless, and VPN connectivity Install and configure printers, devices, and services Manage disks, file systems, storage, and data security Administer search and indexing with Group Policy Diagnose and resolve startup, hardware, and networking issue CD FEATURES: Nearly 200 Windows PowerShell scripts created specifically for this book—customize to administer your environment Windows 7 Resource Kit PowerShell Pack—700 cmdlets and functions to extend Windows in-box functionality Links to author Web sites Sample chapters from Microsoft Press books Fully searchable eBook For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Portable and precise, this pocket-sized guide delivers ready answers for core configuration and administrative tasks in Windows Server 2012 R2. Zero in on the essentials through quick-reference tables, instructions, and lists. You'll get the focused information you need to save time and get the job done - whether at your desk or in the field. Coverage includes: Administration overview Managing servers running Windows Server 2012 R2 Monitoring services, processes, and events Automating administrative tasks, policies, and procedures Enhancing computer security Using Active Directory Core Active Directory administration Creating user and group accounts Managing existing user and group accounts

Prepare for Exam 70-410 and help demonstrate your real-world mastery of Windows Server 2012 core infrastructure services. Exam 70-410 is one of three required exams for the new MCSA: Windows Server 2008 certification from Microsoft. Organized by exam objectives, and featuring challenging, what-if scenarios, this Exam Ref focuses on the critical skills and knowledge needed to implement and configure Windows Server 2012 core services in an enterprise environment. Validate your expertise on these exam objectives: Install and Configure Servers Configure Server Roles and Features Configure Hyper-V Deploy and Configure Core Network Services Install and Administer Active Directory Create and Manage Group Policy

Provides information on planning and managing Windows Server 2012, including tips on troubleshooting, workarounds, and handling system administration tasks.

This is the eBook version of the print title. Note that the eBook might not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for MCSA 70-697 and 70-698 exam success with this Cert Guide from Pearson IT Certification, a leader in IT certification. Master MCSA 70-697 and 70-698 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks MCSA 70-697 and 70-698 Cert Guide is a best-of-breed exam study guide. Technical consultants Don Poulton, Harry Holt, and Randy Bellet 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 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 70-697 exam, "Configuring Windows Devices," and the MCSA 70-698 exam, "Installing and Configuring Windows 10": all the knowledge you need to earn MCSA: Windows 10 certification. Topics include Exam 70-697: · Managing identity · Planning desktop and device deployment · Planning and implementing a Microsoft Intune device management solution · Configuring networking and storage · Managing data access and protection · Managing remote access, apps, updates, and recovery Exam 70-698: · Implementing Windows · Configuring and supporting core services · Managing and maintaining Windows

Windows Server 2016: Essentials for Administration Stanek & Associates

Learn the art of leveraging PowerShell to automate Office 365 repetitive tasks About This Book Master the fundamentals of PowerShell to automate Office 365 tasks. Easily administer scenarios such as user management, reporting, cloud services, and

many more. A fast-paced guide that leverages PowerShell commands to increase your productivity. Who This Book Is For The book is aimed at sys admins who are administering office 365 tasks and looking forward to automate the manual tasks. They have no knowledge about PowerShell however basic understanding of PowerShell would be advantageous. What You Will Learn Understand the benefits of scripting and automation and get started using Powershell with Office 365 Explore various PowerShell packages and permissions required to manage Office 365 through PowerShell Create, manage, and remove Office 365 accounts and licenses using PowerShell and the Azure AD Learn about using powershell on other platforms and how to use Office 365 APIs through remoting Work with Exchange Online and SharePoint Online using PowerShell Automate your tasks and build easy-to-read reports using PowerShell In Detail While most common administrative tasks are available via the Office 365 admin center, many IT professionals are unaware of the real power that is available to them below the surface. This book aims to educate readers on how learning PowerShell for Office 365 can simplify repetitive and complex administrative tasks, and enable greater control than is available on the surface. The book starts by teaching readers how to access Office 365 through PowerShell and then explains the PowerShell fundamentals required for automating Office 365 tasks. You will then walk through common administrative cmdlets to manage accounts, licensing, and other scenarios such as automating the importing of multiple users, assigning licenses in Office 365, distribution groups, passwords, and so on. Using practical examples, you will learn to enhance your current functionality by working with Exchange Online, and SharePoint Online using PowerShell. Finally, the book will help you effectively manage complex and repetitive tasks (such as license and account management) and build productive reports. By the end of the book, you will have automated major repetitive tasks in Office 365 using PowerShell. Style and approach This step by step guide focuses on teaching the fundamentals of working with PowerShell for Office 365. It covers practical usage examples such as managing user accounts, licensing, and administering common Office 365 services. You will be able to leverage the processes laid out in the book so that you can move forward and explore other less common administrative tasks or functions. 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 an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Fully updated for Windows 8.1! Prepare for Microsoft Exam 70-687 - and help demonstrate your real-world mastery of configuring Windows 8.1 in the enterprise. Designed for experienced IT professionals ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the MCSA or MCSE level. Focus on the expertise measured by these objectives: Install and upgrade to Windows 8.1 Configure hardware and applications Configure network connectivity Configure access to resources Configure remote access and mobility Monitor and maintain Windows clients Configure backup and recovery options This Microsoft Exam Ref: Organizes its coverage by objectives for Exam 70-688. Features strategic, what-if scenarios to challenge you. Designed for IT professionals who have real-world experience configuring or supporting Windows 8.1 computers, devices, users, and associated network and security resources. Note: Exam 70-688 counts as credit toward MCSA and MCSE certifications

The perfect companion to any book on Windows Server 2008 or Windows 7, and the quickest way to access critical information Focusing just on the essentials of command-line interface (CLI), Windows Command-Line Administration Instant Reference easily shows how to quickly perform day-to-day tasks of Windows administration without ever touching the graphical user interface (GUI). Specifically designed for busy administrators, Windows Command-Line Administration Instant Reference replaces many tedious GUI steps with just one command at the command-line, while concise, easy to access answers provide solutions on the spot. Provides practical examples, step-by-step instructions, and contextual information Quick-reference style delivers the commands needed for managing data and the network; working with Active Directory; performing diagnostics and maintenance; and, creating batch files and scripts Covers administration for Windows Server 2008 Server Core, Windows Server 2008 (including R2), and Windows 7 Administrators can get more done in less time with CLI than they can with the standard GUI. Compact enough to keep on hand at all times, Windows Command-Line Administration Instant Reference provides administrators with a convenient, fast and simple way to use CLI.

This supremely organized reference packs hundreds of timesaving solutions, troubleshooting tips, and workarounds for Windows Server 2012 R2 - with a focus on configuration, storage, and essential administrative tasks. Coverage includes: Deployment Boot configuration Administration Configuring roles, role services, and features Managing and troubleshooting hardware TPM and Bitlocker drive encryption Managing the registry Software and user account control administration Managing storage and file systems File sharing and security features Performance monitoring, analyzing, and tuning Backup and recovery

Your hands-on, step-by-step guide to automating Windows administration with Windows PowerShell 3.0 Teach yourself the fundamentals of Windows PowerShell 3.0 command line interface and scripting language—one step at a time. Written by a leading scripting expert, this practical tutorial delivers learn-by-doing exercises, timesaving tips, and hands-on sample scripts for performing administrative tasks on both local and remote Windows systems. Discover how to: Use built-in cmdlets to execute commands Write scripts to handle recurring tasks Use providers to access information beyond the shell environment Configure network components with Windows Management Instrumentation Manage users, groups, and computers with Active Directory services Execute scripts to administer and troubleshoot Microsoft Exchange Server 2010

This super-sized desktop reference combines two personal training guides in one convenient volume. Completely updated for Windows Server 2016 RTM and covering all editions of the operating system. Over 250,000 words. Includes: Windows Server 2016: Essentials for Administration Windows Server 2016: Server Infrastructure Inside you'll find expert insights, tips, tricks and workarounds that will save time and help you get the job done by giving you the right information right now. During the course of reading this book, you will master a number of complex topics, techniques, commands and functions. Like the individual books themselves and all IT Pro Solutions books, this reference set will be updated periodically to keep pace with the changes in Windows Server 2016. Pricing of this set is based on the MSRP of \$29.99 Page 2/7

introductory or sale pricing of the individual books. Topics covered include: Planning for Windows Server 2016 and developing a deployment plan Using containers, virtualization and nano server Configuring server roles, services and features Managing and troubleshooting Active Directory Creating and managing user, group and computer accounts Monitoring and tuning performance Optimizing security settings, policies and templates Managing file services and data storage Configuring file sharing Managing share permissions and auditing resource usage Using group policy for administration Configuring and maintaining print services Deploying essential infrastructure services including DHCP and DNS Maintaining and troubleshooting Windows Server 2016 And much, much more!!! Not only will this informative training manual help you become familiar with essential concepts, it'll help you reach new levels of mastery. This is the ideal ready-answers reference you'll want with you at all times. Table of Contents Chapter 1. Welcome to Windows Server 2016 Chapter 2. Working with Windows Servers Chapter 3. Configuring Server Settings Chapter 4. Understanding Active Directory Chapter 5. Managing Active Directory Chapter 6. Maintaining Active Directory Chapter 7. Accounts: The Essentials Chapter 8. Managing Account Policies Chapter 9. Creating Accounts Chapter 10. Working with Managed Accounts Chapter 11. Managing Computers, Users and Groups Chapter 12. Maintaining Your Servers Chapter 13. Optimizing Server Performance Chapter 14. Using Group Policy Chapter 15. Maintaining and Troubleshooting Group Policy Chapter 16. Optimizing Server Security Chapter 17. Deploying Windows Server 2016 Chapter 18. Implementing TCP/IP Networking Chapter 19. Data Storage: The Essentials Chapter 20. Partitioning and Optimizing Drives Chapter 21. Using TPM and BitLocker Drive Encryption Chapter 22. Using Storage Spaces Chapter 23. Using RAID Chapter 24. Maintaining Partitions and Drives Chapter 25. Implementing File Sharing Chapter 26. Using Shadow Copies and Work Folders Chapter 27. Managing Permissions and Auditing Chapter 28. Configuring Disk Quotas Chapter 29. Using Group Policy for Administration Chapter 30. Implementing Print Services Chapter 31. Configuring and Maintaining Print Services Chapter 32. Implementing DHCP Chapter 33. Managing and Maintaining DHCP Chapter 34. Implementing DNS Chapter 35. Managing and Maintaining DNS Thank you readers for your years of support! Check the companion website for updates and details on extras. Your support of this reference set will ensure that I can continue to refresh and expand it.

Master Windows Server installation and configuration with hands-on practice and interactive study aids for the MCSA:

Windows Server 2012 R2 exam 70-410 MCSA: Windows Server 2012 R2 Installation and Configuration Study Guide: Exam 70-410 provides complete preparation for exam 70-410: Installing and Configuring Windows Server 2012 R2. With comprehensive coverage of all exam topics and plenty of hands-on practice, this self-paced guide is the ideal resource for those preparing for the MCSA on Windows Server 2012 R2. Real-world scenarios demonstrate how the lessons are applied in everyday settings. Readers also get access to the interactive practice tests, electronic flashcards, and video demonstration of the more difficult tasks, which help readers fully understand the scope of principles at work. Exam 70-410 is one of three exams MCSA candidates must take to obtain their MCSA: Windows Server 2012 R2. The test is aligned with the 2012 update to the Windows server operating system, and so is the book. This study guide contains everything users need to know for the exam, including the 2012 update's changes to Hyper-V and Active Directory. Avoid surprises on exam day, and master the material while learning to: Install and configure Windows Server 2012 R2 Configure Hyper-V and server roles and features Install and administer Active Directory Manage Group Policy Exam prep is about more than passing the test—it helps you gain hands-on experience performing more complex operations, giving you the confidence you need to successfully apply what you've learned in a work environment. If you're looking to triumph over the MCSA exam 70-410, MCSA: Windows Server 2012 R2 Installation and Configuration Study Guide: Exam 70-410 provides the information and practice you need.

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 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 *¿*

This 70-687 Configuring Windows 8.1 textbook prepares students for the first of two required exams for the Microsoft Certified Solutions Associate (MCSA): Windows 8 certification. Students master configuration or support for Windows 8 computers, devices, users and associated network and security resources. Those in this IT Professional career field are prepared to work with networks configured as a domain-based or peer-to-peer environment with access to the Internet and cloud services. In addition, these IT Professionals will have mastered the skills required to be a consultant, full-time desktop support technician, or IT generalist who administers Windows 8-based computers and devices as a portion of their broader technical responsibilities. Additional skills addressed, including the recent 8.1 objectives, in this textbook: Install and Upgrade to Windows 8 Configure Hardware and Applications Configure Network Connectivity Configure Access to Resources Configure Remote Access and Mobility Monitor and Maintain Windows Clients Configure Backup and Recovery Options Additionally, MOAC Labs Online can be purchased separately or with select sets for an additional charge. MOAC Labs Online enable anytime, anywhere real software on hosted servers. MOAC Labs Online provides students with the ability to work on the actual software simply by connecting through their Internet Explorer web browser. The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy.

Exam 70-417 is an upgrade exam that is a composite of three standalone exams: 70-410, 70-411, and 70-412. Exam 70-417 validates skills related to core features and functionality of Windows Server 2012 R2, from the existing knowledge base of a Microsoft Certified Systems Administrator for Windows Server 2008. Mackin helps you prepare for the exam by focusing on the core technical skills.

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, 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

The in-depth, authoritative reference for intermediate to advanced IT professionals. Solutions, workarounds, tips and insights for IT pros working with Windows Server 2016. This exhaustive and comprehensive work provides a deep dive into the operating system that will teach you how to squeeze every last bit of power and make the most of the features and programs available. Inside this superbly organized guide, packed with expert advice, you'll find hundreds of timesaving solutions for installing, configuring, managing, and maintaining Windows Server 2016. Topics covered in this book include: Planning server deployments Building enterprise solutions Designing for high availability Deploying Full-Server and Server Core Deploying Nano Server and Windows Containers Managing Boot Configuration Data Hacking the Registry Configuring roles and features Managing server binaries Selecting hardware components Managing and troubleshooting hardware Performing diagnostics and troubleshooting Configuring event forwarding Tracking server health and performance Optimizing server performance And much, much more!! This book, *Installing & Configuring Windows Server 2016*, is designed to be used with other volumes in the Tech Artisans Library, which together provide a definitive resource for all of the core features and enhancements in Windows Server 2016. Windows Server expert William Stanek doesn't just show you the steps you need to follow, he tells you how features work, why you would want to configure them, and how you can optimize them to meet your needs. Windows Server 2016 is Microsoft's most powerful, versatile and fully featured operating system yet. Get this book and the others in the Tech Artisans Library to conquer it from the inside out. Prepare for the MCSA Windows Server 2012 exams with this Sybex study guide Microsoft's new version of the MCSA certification for Windows Server 2012 requires passing three exams. This value-priced study guide includes more than 1,000 pages of quality exam-prep content, covering 100 percent of the objective domains of all three exams (as well as the Upgrade exam, 70-417). Also includes more than 500 practice questions. You also have access to three bonus exams, 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. Provides a comprehensive study guide for all three MCSA Windows Server 2012 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 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 exams, electronic flashcards, and over an hour of video demonstrations Covers all exam objectives MCSA Windows Server 2012 Complete Study Guide arms you with all the information you must master to achieve MCSA certification on Windows Server 2012.

The in-depth, authoritative reference for intermediate to advanced IT professionals. Windows Server 2016: Essential Services provides solutions, workarounds, tips, and insights for IT pros working with Windows Server 2016. This exhaustive and comprehensive work provides a deep dive into the operating system that will teach you how to squeeze every last bit of power and make the most of the features and programs available. Inside this superbly organized guide, packed with expert advice, you'll find hundreds of timesaving solutions for managing and maintaining Windows Server 2016. Topics covered in this book include: Managing IPv4 and IPv6 network addressing Planning for DNS and DHCP Designing services infrastructure Implementing and managing DNS Configuring advanced DNS services Implementing and managing DHCP Configuring advanced DHCP services Troubleshooting DNS and DHCP Deploying print services Managing and maintaining print services Diagnosing and resolving networking issues And much, much more!! This book, *Windows Server 2016: Essential Services*, is designed to be used with *Windows Server 2016: Installing & Configuring*, *Windows Server 2016: Storage Solutions*, and *Windows Server 2016: Domain Infrastructure*. Together these books form the Tech Artisans Library for Windows Server 2016, a definitive resource providing over 2,000 pages and 500,000 words documenting all of the core features and enhancements in Microsoft's server operating system. Windows Server 2016 is Microsoft's most powerful, versatile and fully featured operating system yet. Get this book and the others in the Tech Artisans Library to conquer it from the inside out.

A comprehensive, practical guide to accessing virtual desktops, applications, and services through a unified platform About This Book This is the first book on the market that delivers desktops and applications through a single Virtual Desktop Infrastructure platform Reduce enterprise costs by dynamically allocating resources with virtual storage, compute and networking This comprehensive guide provides simplified operations, improved security, and accelerated time-to-value using VMware Horizon 7 Who This Book Is For If you are a newcomer to system administration, and you wish to implement the Horizon environment, then this book is for you. Prior knowledge of Horizon is beneficial. What You Will Learn Walk through the configuration of VMware Horizon, including the new Horizon Access Point appliance Implement a multi-site VMware Horizon pod using the Cloud Pod Architecture feature Understand the integration between VMware Horizon and VSAN, and see how they are deployed together Explore how to implement and maintain Microsoft RDS and Linux and Windows Desktop Pools Create and optimize desktop master images. Understand how to manage the SSL certificates for each of the VMware Horizon components. In Detail VMware Horizon 7 has been a buzz since it was announced. One of the major reasons is the introduction of the new Instant Clones feature. This book will complement the product documentation by providing real-life examples of how it is implemented along with the latest features and components of the platform. We'll explore the latest features of the platform, including those added through product acquisitions such as User Environment Manager and App Volumes. Further on, you will also be introduced to the new capabilities added to the core product such as Linked-Clone RDS pools. Upon completion of this book, you will have an understanding of the capabilities and benefits VMware Horizon can provide to your organization, and how each of its components are implemented. Style and approach This comprehensive guide focuses on the practicality of VMware Horizon and how you can implement it in your organization.

PowerShell gives Windows administrators immense power to automate and customize virtually any administrative task—saving time, increasing productivity, and giving you unprecedented flexibility. PowerShell 2.0 adds important new features that offer even greater control over Windows environments. *Windows PowerShell Unleashed* will not only give you deep mastery over PowerShell but also a greater understanding of the features being introduced in PowerShell 2.0—and show you how to use it to solve your challenges in your production environment. The authors begin by systematically illuminating PowerShell's core concepts and techniques, helping you leverage whatever Windows

scripting experience you may already have. Next, using complete, easy-to-adapt examples, they show how to use PowerShell to manage file systems, permissions, the Registry, WMI objects, Active Directory, Exchange Server, and many other elements of the Windows environment. More than half of this edition's material and examples have been completely rewritten for PowerShell 2.0, and the authors have added seven entirely new chapters—covering security, PowerShell application development, Systems Center Operations Manager 2007, and much more. Whatever Windows systems you manage, Windows PowerShell Unleashed contains the scripts and techniques you need to manage them far more effectively. Install, configure, and customize PowerShell 2.0 and master its command line interface Discover proven best practices for PowerShell scripting Make the most of PowerShell cmdlets—especially the new cmdlets included in PowerShell 2.0 Leverage PowerShell's deep .NET Framework integration Secure your scripts using code signing, execution policies, and PowerShell's built-in security Use custom script functions to manage permissions more efficiently Control the registry locally and remotely and use PowerShell's powerful new registry transactions Use PowerShell as a management interface Automate Exchange Server 2007 administrative tasks Automate the management of Microsoft's new System Center Operations Manager 2007 Preview the forthcoming Graphical PowerShell scripting environment Understand how to manage Active Directory using PowerShell Master using PowerShell with WMI Learn PowerShell 2.0 remoting

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.

Fully updated for Windows Server 2012 R2! Prepare for Microsoft Exam 70-417 - and help demonstrate your real-world mastery of Windows Server 2012 R2 core infrastructure services. Exam 70-417 is an upgrade exam that is a composite of three standalone exams: 70-410, 70-411, and 70-412. Exam 70-417 validates skills related to core features and functionality of Windows Server 2012 R2, from the existing knowledge base of a Microsoft Certified Systems Administrator for Windows Server 2008. Focus on the expertise measured by these objectives: EXAM 70-410 Install and configure servers Configure server roles and features Configure Hyper-V Deploy and configure core network services Install and administer Active Directory EXAM 70-411 Deploy, manage, and maintain servers Configure network services and access Configure a network policy server infrastructure Configure and manage Active Directory Configure and manage Group Policy EXAM 70-412 Configure and manage high availability Configure file and storage solutions Implement business continuity and disaster recovery Configure network services Configure identity and access solutions This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.

Master vSphere automation with this comprehensive reference VMware vSphere PowerCLI Reference, Automating vSphere Administration, 2nd Edition is a one-stop solution for vSphere automation. Fully updated to align with the latest vSphere and PowerCLI release, this detailed guide shows you how to get the most out of PowerCLI's handy cmdlets using real-world examples and a practical, task-based approach. You'll learn how to store, access, update, back up, and secure massive amounts of data quickly through the power of virtualization automation, and you'll get acquainted with PowerCLI as you learn how to automate management, monitoring, and life-cycle operations for vSphere. Coverage includes areas like the PowerCLI SDK, SRM, vCOPS, and vCloud Air. Plus guidance toward scheduling and viewing automation, using DevOps methodology and structured testing and source control of your PowerCLI scripts. Clear language and detailed explanations make this reference the manual you've been looking for. This book is your complete reference for managing vSphere in a Windows environment, with expert instruction and real-world application. Automate vCenter Server deployment and configuration Create and configure virtual machines, and utilize vApps Monitor, audit, and report the status of your vSphere environment Secure, back up, and restore your virtual machines Work with other vSphere components from your PowerCLI scripts Take control of your PowerCLI scripts through versioning and structured testing Don't spend another day slogging through routine systems management — automate it, with this invaluable guide.

Effectively implement features and components for any computing environment Key Features Explore the latest features of VMware Horizon 7.7 Virtualize your desktop infrastructure using new features introduced in Horizon Implement App Volumes and User Environment Manager in your infrastructure Book Description This third edition of Implementing VMware Horizon 7.7 has been updated to get you up to speed with VMware Horizon 7.7 by showing you how to use its key features and deploying an end-user computing infrastructure for your own organization. The book begins by guiding you on how to deploy all the core requirements for a VMware Horizon infrastructure. It then moves on to show you how to provision and administer end-user computing resources using VMware Horizon. You'll not only be able to deploy the core VMware Horizon features, but you'll also be able to implement new features, such as the Just-in-Time Management Platform (JMP) and the Horizon Console. You'll also focus on the latest features and components of the Horizon platform and learn when and how they are used. By the end of the book, you will have developed a solid understanding of how your organization can benefit from the capabilities VMware Horizon offers and how each of its components is implemented. What you will learn Work with the different products that make up VMware Horizon Implement a multi-site

VMware Horizon Pod using the Cloud Pod Architecture feature Deploy and configure VMware Horizon's optional components Implement and maintain Microsoft RDSH, Horizon Linux, and Windows Desktop Pools and RDSH Application Pools Configure and manage Horizon remotely using PowerCLI Learn about the Microsoft Windows Group Policy templates for Horizon Understand how to manage the SSL certificates for each of the VMware Horizon components Who this book is for If you're a system administrator, solutions architect, or desktop engineer looking to level up your skills working with VMware's Horizon ecosystem and want to build a successful deployment strategy for desktops and applications, this book is for you.

Expert advice for Exchange Server 2016 right at your fingertips. Practical and precise, this hands-on guide with ready answers is designed for architects, administrators, engineers and others working with on-premises, online and hybrid implementations of Microsoft Exchange. If you're an IT Pro responsible for configuring, managing and maintaining Exchange 2016 servers, start with this well-organized and authoritative resource. Inside, you'll find expert insights, tips, tricks and workarounds that will show you how to master Exchange Server 2016 in the shortest amount of time possible. During the course of reading this book, you will master a number of complex topics, techniques, commands and functions. This book, Exchange Server 2016: Server Infrastructure, is designed to be used with Exchange Server 2106 & Exchange Online: Essentials for Administration. While this book focuses on architecture and server configuration, the latter book focuses on: Using Exchange Admin Center Working with Exchange Management Shell Managing mail boxes, mail contacts and distribution groups Setting up address lists and address books Configuring Exchange clients Implementing Exchange security and role-based permissions Using the books together, you can answer most of the everyday questions you'll have with Exchange Server 2016 and Exchange Online. Topics include planning for Exchange Server 2016 and developing a deployment plan; managing Exchange organizations while navigating routing and data storage options; implementing Database Availability Groups and maintaining high availability; creating, managing and maintaining Exchange databases; using Send and Receive connectors for mail routing; configuring Transport services and maintaining mail flow; implementing email address policies and journal rules; filtering spam and defining block lists; optimizing Exchange Server 2016 for web and mobile access; configuring Client Access services; maintaining and troubleshooting Exchange Server 2016; and many more topics essential for Exchange administration. Not only will this informative training manual help you become familiar with many new ideas, it'll help you master Exchange Server 2016 in the shortest amount of time possible. After completing your Exchange Server 2016 journey with this in-depth guide, you will be ready to support Microsoft Exchange regardless of whether you are working in an on-premises, online or hybrid environment. As you will soon learn, Microsoft Exchange is versatile, flexible and highly customizable, allowing you to personalize the messaging system to meet your needs. Get the focused information you need to solve problems and get the job done.

The Microsoft Official Academic Course (MOAC) textbook for MTA Windows Operating System Fundamentals Exam 98-349 2nd Edition is focused primarily on operating configurations and maintenance in Windows. MOAC offers an official MLO lab environment and Lab Manual to further aid in your study for this exam. Successful skills mastery of Exam 98-349 can help students with securing a career within an IT enterprise and help them to differentiate job hunters in today's competitive job market. This exam will cover considerations into the following: * Understanding Operating System Configurations. * Installing and Upgrading Client Systems. * Managing Applications. * Managing Files and Folders. * Managing Devices. * Understanding Operating System Maintenance. The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy.

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 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.

A clear and concise resource, the ideal guide to Windows for IT beginners Windows Operating System Fundamentals covers everything you need to know about Windows 10. Learn to master the installation process and discover the cool new features of Windows 10, including Edge, Cortana, and more. And because this book follows the Windows Server Operating System Fundamentals MTA Certification, it is perfect for IT professionals who are new to the industry and need an entry point into IT certification. This book covers the basics of the Windows operating system, from setting up user accounts to using the start menu, running applications, and setting up internet access. You'll be prepared to upgrade a computer to Windows 10 and to master the basic tools necessary to work effectively within the OS. Each chapter closes with a

quiz so you can test your knowledge before moving to the next section. Learn to configure your Windows 10 operating system, optimize account controls, configure user profiles, customize system options, and more! Understand how to use Windows applications and tools for managing LAN settings, configuring Microsoft Edge, and setting up remote assistance Use Windows to manage devices like printers, cloud storage, OneDrive, and system devices Maintain, update, protect, and backup your data by configuring Windows Update, automated backup, and system recovery and restore With Windows Operating System Fundamentals, IT Professionals looking to understand more about Windows 10 will gain the knowledge to effectively use applications, navigate files and folders, and upgrade client systems. Thanks to the troubleshooting tools and tips in this book, you can apply your new skills in real-world situations and feel confident while taking the certification exam.

The 70-688 Supporting Windows 8.1 textbook helps prepare students for the second of two exams required for Microsoft Certified Solutions Associate (MCSA): Windows 8 certification. Students master configuration or support for Windows 8 computers, devices, users and associated network and security resources. Those in this IT Professional career field work with networks configured as a domain-based or peer-to-peer environment with access to the Internet and cloud services. These IT Professionals could be a consultant, full-time desktop support technician, or IT generalist who administers Windows 8-based computers and devices as a portion of their broader technical responsibilities. Additional skills addressed, including the recent 8.1 objectives, in this textbook: Design an Installation and Application Strategy Maintain Resource Access Maintain Windows Clients and Devices Manage Windows 8 Using Cloud Services and Microsoft Desktop Optimization Pack The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy.

Expert advice for Windows Server 2016 right at your fingertips. Practical and precise, this hands-on guide with ready answers is designed for architects, administrators, engineers and others working with Windows Server 2016. If you're an IT Pro responsible for configuring, managing and maintaining computers running Windows Server 2016, start with this well-organized and authoritative resource. Inside you'll find expert insights, tips, tricks and workarounds that will save time and help you get the job done by giving you the right information right now. During the course of reading this book, you will master a number of complex topics, techniques, commands and functions. Topics covered include: Using containers, virtualization and nano server Configuring server roles, services and features Managing and troubleshooting Active Directory Creating and managing user, group and computer accounts Monitoring and tuning performance Optimizing security settings, policies and templates And much, much more!!! Not only will this informative training manual help you become familiar with essential concepts, it'll help you reach new levels of mastery. This is the ideal concise, immediate reference you'll want with you at all times.

Portable and precise, this pocket-sized guide delivers ready answers for the day-to-day administration of Windows Server 2012. Zero in on core operations and daily tasks using quick-reference tables, instructions, and lists. You'll get the focused information to solve problems and get the job done—whether at your desk or in the field. Get fast facts on these essential topics: Managing servers running Windows Server 2012 Creating user and group accounts Monitoring services, processes, and events Administering Active Directory Managing files, folders, drives Automating administrative tasks and policies Administering data sharing, security, and auditing Managing TCP/IP networking Implementing data backup and recovery Administering network printers and print services

Now updated for Windows Server 2008 R2, this practical, portable guide delivers ready answers for the day-to-day administration of Windows Server 2008. It includes coverage of Windows Server 2008 R2 enhancements, including Hyper-V with Live Migration, Direct Access Infrastructure, Branch Cache, Windows PowerShell 2.0, the new Active Directory console, and more. Zero in on core support and administration tasks using quick-reference tables, instructions, and lists. You'll get the focused information you need to solve problems and get the job done whether at your desk or in the field! Get fast facts to: Set up server roles and deploy Windows Server 2008 Configure and maintain Active Directory Create user and group accounts; control rights and permissions Manage file systems, drives, and RAID arrays Configure TCP/IP networking and DHCP and DNS clients and servers Troubleshoot printers and print servers Monitor and tune network performance Prepare a disaster plan; back up and restore servers

Desired State Configuration (DSC) is a powerful configuration management platform that makes it easier than ever to perform cross-platform configuration management of your infrastructure, whether on-premise or in the cloud. DSC provides the management platform and Application Programming Interface (API) that can be used with any programming language. Windows PowerShell Desired State Configuration Revealed will take you through this new technology from start to finish and demonstrates the DSC interfaces through Windows PowerShell. DSC allows you to manage target devices by simply declaring what state you want them to be in, using new declarative language extensions, rather than writing detailed instructions to get them into that state. This makes continuous delivery in Windows easier than ever before. In an environment where changes and deployments are happening all the time, DSC makes the necessary adjustments to the system so you don't have to. Windows PowerShell Desired State Configuration Revealed starts with an overview of the configuration management features in Windows, followed by a discussion of the architecture of DSC and its components. You'll then explore DSC's built-in features and resources, followed by some of the different methods provided for delivering configuration information within your ecosystem, and learn about configuration monitoring and reporting. In the latter part of the book, you'll find out how to get more power out of DSC by writing your own custom DSC resources, including a range of useful examples, and the book concludes with vital information on deploying and troubleshooting DSC in a production environment, along with some expert tips and tricks you might find useful along the way. Windows PowerShell Desired State Configuration Revealed is your one-stop guide to this new technology and how it can change your working life for the better.

Conquer Microsoft Office 365 administration—from the inside out! Dive into Office 365 administration—and really put your systems expertise to work! This supremely organized reference packs hundreds of timesaving solutions, troubleshooting tips, and workarounds. Discover how the experts tackle deployment, configuration, and management—and challenge yourself to new levels of mastery. Simplify enterprise deployment with planning tools and tasks Automate Office 365 processes with Windows PowerShell Manage user identity with Active Directory and Single Sign-On Monitor and maintain the health of Office 365 with Microsoft System Center Implement Microsoft Exchange Online, SharePoint Online, and Lync Online Control variables in an Exchange Server hybrid implementation Customize and deploy Office 365 Professional Plus Explore real-world scenarios and apply insider management tips For Intermediate to Advanced IT Professionals Dive in—and discover how to really put Windows Server 2012 to work! This supremely organized reference packs the details you need to plan and manage a Windows Server 2012 implementation—including hundreds of timesaving solutions, troubleshooting tips, and workarounds. Learn how the experts tackle Windows Server 2012—and challenge yourself to new levels of mastery. Topics include: Managing Windows Server 2012 systems Storage and file systems TCP/IP networking DHCP and DNS Active Directory Group Policy Security and access Troubleshooting hardware Performance monitoring and tuning Backup and recovery

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