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One of the secrets to the ever-increasing popularity of Windows Server can be found in the simplicity its administration. The easy-to-use GUI, consistent set of tools, and wizards that walk you through complex tasks allow you to install, configure and maintain Windows servers without any knowledge of programming or scripting languages or learning complicated command-line syntax. It's possible, in fact, to accomplish about 90% of all Windows administration without ever opening a command prompt or running a script! But what about the other ten percent of the time? While it's true that most common, day-to-day tasks of Windows administration can be performed from the GUI, it's not always the best way, especially with complex or repetitive tasks. Scripts and command-line tools often provide a faster, more flexible approach. Windows Server Hacks reveals techniques that go well beyond basic management tasks found in most handbooks to help busy system administrators master the more powerful features of Windows Server. Windows Server Hacks focuses on scripts and other tools that will make your life as an administrator much easier. These tools, or hacks--quick and dirty solutions to problems, or clever ways of doing things--were created by other professionals who've also had to struggle to find solutions to administering Windows environments. You'll save valuable time using their scripts, tools, tips, and advice. Plus, you can easily learn to

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customize the scripts to create even more powerful tools for your own, specific needs. The book includes secrets of the masters in such areas as Active Directory, User Management, Group Policy, DNS and DHCP, File and Print, IIS, performance and security. The hundred, industrial strength hacks in the book range from those that deal with general administration to more esoteric hacks in the areas of network deployment, patch management, and backup and recovery. No matter which Windows server you use--NT, IIS, 2000, or 2003--this book will put the knowledge and expertise of veteran system administrators and hackers to work for you. Windows Server Hacks will make your life easier while expanding your understanding of the capabilities of Windows Server.

While computers and other devices identify each other on networks or the Internet by using unique addresses made up of numbers, humans rely on the Domain Name System (DNS), the distributed database that allows us to identify machines by name. DNS does the work of translating domain names into numerical IP addresses, routing mail to its proper destination, and many other services, so that users require little or no knowledge of the system. If you're a network or system administrator, however, configuring, implementing, and maintaining DNS zones can be a formidable challenge. And now, with Windows Server 2003, an understanding of the workings of DNS is even more critical. DNS on Windows Server 2003 is a special Windows-oriented edition of the classic DNS and BIND, updated to document the many changes to DNS, large and small, found in Windows Server 2003. Veteran O'Reilly authors, Cricket Liu, Matt Larson, and Robbie Allen explain the whole system in terms of the new Windows Server 2003, from starting and stopping a DNS service to establishing an organization's namespace in the global hierarchy. Besides covering general issues like

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Installing, setting up, and maintaining the server, DNS on Windows Server 2003 tackles the many issues specific to the new Windows environment, including the use of the dnscmd program to manage the Microsoft DNS Server from the command line and development using the WMI DNS provider to manage the name server programmatically. The book also documents new features of the Microsoft DNS Server in Windows Server 2003, including conditional forwarding and zone storage in Active Directory (AD) application partitions. DNS on Windows Server 2003 provides grounding in: Security issues System tuning Caching Zone change notification Troubleshooting Planning for growth If you're a Windows administrator, DNS on Windows Server 2003 is the operations manual you need for working with DNS every day. If you're a Windows user who simply wants to take the mystery out of the Internet, this book is a readable introduction to the Internet's architecture and inner workings. A guide to using Windows PowerShell to script Windows administrative tasks and control Windows from the command line includes more than four hundred task-oriented recipes and more than one hundred scripts.

When Microsoft introduced Windows 2000, the most important change was the inclusion of Active Directory. With many great benefits, it continues to be a huge headache for network and system administrators to design, implement and support. The first edition of this book, O'Reilly's best-selling Windows 2000 Active Directory, eased their pain considerably. Now titled Active Directory, 2nd Edition, this book provides system and network administrators, IT professionals, technical project managers, and programmers with a clear, detailed look at Active Directory for both Windows 2000 and Windows Server 2003. The upgraded Active Directory that ships with Windows Server 2003 has over 100 new and enhanced features and once again,

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O'Reilly has the answers to puzzling questions. While Microsoft's documentation serves as an important reference, Active Directory, 2nd Edition is a guide to help the curious (and weary) understand the big picture. In addition to the technical details for implementing Active Directory, several new and significantly enhanced chapters describe the numerous features that have been updated or added in Windows Server 2003 along with coverage of new programmatic interfaces that are available to manage it. After reading the book you will be familiar with the Lightweight Directory Access Protocol (LDAP), multi-master replication, Domain Name System (DNS), Group Policy, and the Active Directory Schema, among many other topics. Authors Robbie Allen and Alistair G. Lowe-Norris are experienced veterans with real-world experience. Robbie is a Senior Systems Architect in the Advanced Services Technology Group at Cisco Systems. He was instrumental in the deployment and automation of Active Directory, DNS and DHCP at Cisco, and is now working on network automation tools. Alistair is an enterprise program manager for Microsoft U.K. and previously worked for Leicester University as the project manager and technical lead of the Rapid Deployment Program for Windows 2000. Active Directory, 2nd Edition will guide you through the maze of concepts, design issues and scripting options enabling you to get the most out of your deployment. SQL Server 2012 with PowerShell V3 Cookbook" is an example-focused book that provides step-by-step instructions on how to accomplish specific SQL Server tasks using PowerShell. Each recipe is followed by an analysis of the steps or design decisions taken, and additional information about the task at hand. Working scripts are provided for all examples so that you can dive in right away. You can read this book sequentially by chapter, or you can pick and choose which topics you need right away, This book is written for the

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SQL Server database professional (DBA, developer, BI developer) who wants to use PowerShell to automate, integrate, and simplify database tasks. A little bit of scripting background is helpful, but not necessary.

Well respected, practical reference guide to Microsoft Windows Server 2003 that now covers the "R2" update. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology.

In just 24 lessons of one hour or less, Sams Teach Yourself Windows PowerShell in 24 Hours helps you streamline all facets of Windows administration, supercharging your effectiveness as an IT professional or power user. This book's straightforward, step-by-step approach shows you how to build and run scripts, extend Windows PowerShell reach, manage computers remotely, and automate a wide variety of tasks on any modern Windows server or client. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common PowerShell scripting tasks. Practical, hands-on examples show you how to apply what you learn. Quizzes and exercises help you test your knowledge and stretch your skills. Notes, tips, and cautions point out shortcuts, pitfalls, and solutions. Learn how to... Install, configure, and explore Windows PowerShell (including updates for PowerShell 5) Leverage .NET's remarkable power and scope with easy-to-use cmdlets Build new scripts with the console, ISE visual tools, and other popular hosts Apply best practices for writing more reliable, flexible, team-friendly scripts Work effectively with the pipeline, objects, and data Extend Windows PowerShell reach via providers, drives, and output Run

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external tools like ping, ipconfig, and tracert from within PowerShell. Remotely manage computers with basic and advanced remoting (WinRM), WMI, and Regex. Configure Windows devices across the web with PSWA. Sort, filter, measure, format, export, and convert script output. Run Windows PowerShell flexibly, using background and scheduled jobs. Customize your environment with profile scripts, alternate credentials, thirdparty tools, and packages. Strengthen your control over Windows systems and services with Desired State Configuration. Administer key tasks on SQL Server, SharePoint, and other Windows servers. Master PowerShell skills needed to earn many Microsoft certifications. Learning Python for Forensics, Second Edition begins by introducing you to the fundamentals of Python. You will learn how to develop Python scripts through an iterative design. This book will also help you strengthen your analysis skills and efficiency as you creatively solve real-world problems through instruction-based tutorials. Take advantage of everything Microsoft's new PowerShell 7 has to offer. PowerShell 7 for IT Pros is your guide to using PowerShell 7, the open source, cross-platform version of Windows PowerShell. Windows IT professionals can begin setting up automation in PowerShell 7, which features many improvements over the early version of PowerShell Core and Windows PowerShell. PowerShell 7 users can enjoy the high level of compatibility with the Windows PowerShell modules they rely on today. This book shows IT professionals—especially Windows administrators and developers—how to use PowerShell7 to engage in their most important tasks, such as managing networking, using AD/DNS/DHCP, leveraging Azure, and more. To

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make it easy to learn everything PowerShell 7 has to offer, this book includes robust examples, each containing sample code so readers can follow along. Scripts are based on PowerShell 7 running on Windows 10 19H1 or later and Windows Server 2019. • Learn to navigate the PowerShell 7 administrative environment • Use PowerShell 7 to automate networking, Active Directory, Windows storage, shared data, and more • Run Windows Update, IIS, Hyper-V, and WMI and CIM cmdlets within PowerShell 7 • Understand how to handle reporting in the new PowerShell 7 environment PowerShell 7 for IT Pros provides exclusive coverage of using PowerShell with both cloud-based systems and virtualized environments (Hyper V and Azure). Written by PowerShell veteran Thomas Lee, this is the only book you'll need to get started with PowerShell 7.

Rather than being a traditional planning, design, and implementation guide, this book is a serious resource for Windows experts to find tips, tricks, and best practices for implementing and supporting key Windows Server 2003 technologies. The authors started working with Windows Server 2003 (then codename Whistler) just days after the code for Windows 2000 was locked, when most organizations were getting a first chance to see the Windows 2000 server product. With more than three years of experience working with Whistler in early beta and production implementations, the authors of this book have provided a resource to help you make Windows 2003 technologies work properly. When given a choice of different ways of implementing the technologies, you can turn to this book for the best practices of successful

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field implementations. This book is organized into eight parts focusing around a core technological solution area, with several chapters making up each part. Sections include security, management, design, migration, business continuity, performance, and business productivity.

Charles Edge, Zack Smith, and Beau Hunter provide detailed explanations of the technology required for large-scale Mac OS X deployments and show you how to integrate it with other operating systems and applications. Enterprise Mac Administrator's Guide addresses the growing size and spread of Mac OS X deployments in corporations and institutions worldwide. In some cases, this is due to the growth of traditional Mac environments, but for the most part it has to do with "switcher" campaigns, where Windows and/or Linux environments are migrating to Mac OS X. However, there is a steep culture shock with these types of migrations. The products that are used are different, the nomenclature is different, and most importantly the best practices for dealing with the operating system are different. Apple provides a number of tools to help automate and guide IT toward managing a large number of Mac OS X computers—it has since before Mac OS X was initially released. However, if you want to put together all of the pieces to tell a compelling story about how to run an IT department or a deployment of Macs, you need to compile information from a number of different sources. This book will provide explanations of the technology required. Provides complete solutions for the large- and medium-scale integration of directory

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services, imaging, and security Complete guide for integrating Macs and Mac OS X into mixed environments with confidence and no down time One-stop volume for IT professionals who need the technical details to get their job done as efficiently and effectively as possible Learn to automate the top server operating system, Windows Server 2008 R2 Windows PowerShell 2.0 allows you to automate nearly any task for managing Windows Server, going from dozens of clicks to a single command, and repeated tasks to automated tasks. Using screen shots and helpful exercises, this book walks you through the many benefits of automating Windows Server with PowerShell 2.0, such as allowing for scalable, flexible, and rapid deployments and changes; increasing cost effectiveness; providing a timely return on IT investment; lowering labor headcount; creating secure computing environments; and establishing reliable enterprise infrastructures. In addition, real-world examples provide reinforced learning, aimed at ensuring that you work as efficiently and effectively as possible by automating both simple and complex administrative tasks with Powershell 2.0. Explains how to automate both simple and complex tasks in Windows Server 2008 R2 with Powershell 2.0 Addresses how Windows Server 2008 R2 comes with more than 550 cmdlets, allowing you to automate nearly anything Offers numerous real-world examples, end-of-chapter exercises, and helpful screen shots to reinforce your learning process The power is in your hands! Start working smarter, not harder, by automating Windows Server 2008 R2 tasks with Powershell 2.0.

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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

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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

Windows Server 2003 Security Infrastructures is a must for anyone that wants to know the nuts and bolts of Windows Server 2003 security and wants to leverage the operating system's security infrastructure components to build a more secure I.T. infrastructure. The primary goal of this book is to provide insights into the security features and technologies of the Windows Server 2003 operating system. It also highlights the security principles an architect should remember when designing an infrastructure that is rooted on the Windows Server 2003 OS. *Explains nuts and bolts of Windows Server 2003 security *Provides practical insights into how to deploy and administer secure Windows Server 2003 infrastructures *Draws on the experience of a lead consultant in the Microsoft security area

See how the core components of the Windows operating system work behind the scenes—guided by a team of

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Internationally renowned internals experts. Fully updated for Windows Server(R) 2008 and Windows Vista(R), this classic guide delivers key architectural insights on system design, debugging, performance, and support—along with hands-on experiments to experience Windows internal behavior firsthand. Delve inside Windows architecture and internals: Understand how the core system and management mechanisms work—from the object manager to services to the registry Explore internal system data structures using tools like the kernel debugger Grasp the scheduler's priority and CPU placement algorithms Go inside the Windows security model to see how it authorizes access to data Understand how Windows manages physical and virtual memory Tour the Windows networking stack from top to bottom—including APIs, protocol drivers, and network adapter drivers Troubleshoot file-system access problems and system boot problems Learn how to analyze crashes

Leveraging WMI Scripting is the second in a series of two books dedicated to WMI. Understanding WMI Scripting (ISBN 1-55558-266-4), Lissair's first book, explained to Windows Administrators the various WMI scripting techniques and manageability capabilities of this new Windows Server 2003 platform. Illustrated with hundreds of scripts and detailed tables, the book explained the underlying technology and how WMI can be put to work. Lissair focused not only on WMI programming aspects for developers but on how administrators can use what is available in Windows for their admin work. If you've had significant WMI experience, or have read Lissair's first book, you are ready to apply your WMI knowledge to any technology that interfaces with WMI.

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Leveraging WMI Scripting continues the presentation of WMI begun in Understanding WMI Scripting. In this new volume, we dive deeper into WMI to understand the manageable entities of the Windows world. Lissoir offers a structured description of the most important WMI providers available from Windows NT 4.0 to Windows Server 2003 (including Windows 2000 and Windows XP). This covers the WMI management of the Windows Registry, Active Directory, SNMP, the Resultant Set Of Policies (RSOP), and the Volume Shadow Service to name a few. This discussion leverages the information on building real-world scripted management solutions presented in Lissoir's first book. Like the first volume, Leveraging WMI Scripting is based on an important concept: "learning by practice." Leveraging WMI Scripting addresses the most advanced topics so that you can exploit the features of various WMI interfaces to manage the components in a real-world environment. WMI is a critical topic under Windows Server 2003, so this book provides real added value to every Windows administrator.

- Shows you how to extract data from applications, understand what's really happening on your servers, and get real work done
- Provides hundreds of usable scripts to use in everyday solutions for network performance and security
- Offers practical and straightforward advice that any enterprise Windows administrator can learn from

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

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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

Announcing the "Mission Critical" series from Syngress Media - providing crucial coverage of the topics necessary for IT professionals to perform and succeed on the job. Mission Critical Windows 2000 Server Administration cuts to the chase and provides system administrators with the most important features of the operating system. There's no "hand-holding", no basic definitions of functions, no step-by-step guidelines - just high-level coverage of the critical components of Windows 2000 that system administrators must know. Hot topic - since the launch of Windows 2000 in February - there is an increased demand for a high-level book Comes with free membership to Solutions@Syngress.com, which provides readers with regular updates, articles, white papers, and bug alerts Offers high-level coverage of the following topics: Active Directory, remote installation and deployment, security, network services, Microsoft Management Console and administration

The quick start guide for an advanced enterprise PowerShell framework About This Book Introduces industry-proven techniques that improve script efficiency and reliability Example-rich guide based on real-world scenarios Facilitates building a script that can fully scan a Windows server and identify components Who This Book Is For This book is for IT professionals and Windows administrators who would like to gain intensive, hands-on knowledge and skills on PowerShell without spending hours and hours in learning. If you have been struggling to find the time to gain proficiency and confidence with PowerShell and everyday scripting tasks

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What You Will Learn Create an advanced PowerShell scripting template that provides repeatable code to jumpstart all of your scripting projects Learn how to securely encrypt and store usernames, passwords, and other sensitive data in PowerShell scripts and answer files Understand how to optimize the performance of scripts to help process large datasets quickly and avoid time-consuming mistakes Develop a script to scan for non-standard Windows Server configurations and identify service accounts used on Windows Servers Gather a large list of data from a Windows server without locally or remotely logging in interactively In Detail Enterprise PowerShell Scripting Bootcamp explains how to create your own repeatable PowerShell scripting framework. This framework contains script logging methodologies, answer file interactions, and string encryption and decryption strategies. This book focuses on evaluating individual components to identify the system's function, role, and unique characteristics. To do this, you will leverage built-in CMDlets and Windows Management Instrumentation (WMI) to explore Windows services, Windows processes, Windows features, scheduled tasks, and disk statistics. You will also create custom functions to perform a deep search for specific strings in files and evaluate installed software through executable properties. We will then discuss different scripting techniques to improve the efficiency of scripts. By leveraging several small changes to your code, you can increase the execution performance by over 130%. By the end of this book, you will be able to tie all of the concepts together in a PowerShell-based Windows server scanning script. This discovery script will be able to scan a Windows server to identify a multitude of components. Style and approach This book is all about fast and intensive learning. This means, we don't waste time in helping readers get started. The new content is about leveraging highly-effective examples to build

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new things, help solving problems in newer and unseen ways, and providing an enterprise-ready platform to create PowerShell Scripts.

If you are a system administrator who wants to become an expert in controlling and automating your Windows environment, then this book is for you. Prior knowledge of PowerShell's core elements and applications is required for this book.

Leverage the expertise of Windows PowerShell and automate Microsoft products and technologies, on-premises and in-cloud

About This Book

- *Meet complex administration requirements with efficiency using Windows PowerShell
- *Build advanced task automation skills via PowerShell scripting for Microsoft technologies such as Nano Server and System Center, Office 365, and so on
- *A comprehensive PowerShell guide with a set of scenarios, real-world examples, and scripts to easily get you started with Windows PowerShell and its capabilities

Who This Book Is For

This handbook is for system administrators who want to master Windows PowerShell as a scripting language, automate repeated daily tasks, and perform complex administration in timely manner with less effort.

In order to get the maximum benefit from this book, you need to have some basic scripting knowledge and a good administration experience.

What You Will Learn

- *Discover and understand the concepts and basics of Windows PowerShell
- *Explore Windows PowerShell's extensibility and flexibility
- *Discover the new features and enhancements of Windows PowerShell
- *Get to know the PowerShell syntax and grammar such as pipeline, looping, and working with objects
- *Extend PowerShell's capabilities with the .NET framework, XML, WMI, and COM+
- *Configure and deploy Windows Server Core features, services, and components
- *Manage and configure the Microsoft virtualization platform, Hyper-V
- *Manage and configure Cloud

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technologies such as Office 365 and Microsoft Azure. In Detail Technology's growing rhythm is running faster than before, and the business needs are getting more complex every day. Thus, it is the time to gain a new talent to meet this challenge. With PowerShell in your toolbox, you can easily perform many tasks in less time, with less effort, and with lower costs. This book comes with a set of real-world scenarios and detailed scripts that will help you getting started with PowerShell. You will learn what is new in PowerShell 5.0 such as Desired State Configuration (DSC) and Classes, automation with Office 365, writing the syntax, and building your scripts and developing extensions and modules. You will also gain deep insights into automating various tasks and integrating PowerShell with different technologies, products, and tools, such as Windows Server, Active Directory, Nano Server, Hyper-V, System Center, Office 365, Microsoft Azure, and more.

Scripting gurus Jones and Hicks teach readers PowerShell from the ground up. They cover its underlying technologies, flexible scripting language, and enough of the .NET Framework to be effective in PowerShell scripting. (Computer Books)

Microsoft's Systems Management Server (SMS) allows network administrators to provide software updates to users quickly and cost-effectively from a single machine. The administrator can update every user in a network at once, or choose a group of individuals – even a single user. All this can be accomplished from the administrator's computer: no need to visit everyone's computer to make changes, as in days of old. The SMS 2003 Field Guide addresses real-world problems and solutions, based on the broad consulting experience of the author. He knows where network administrators are liable to make mistakes, and offers help at their level.

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A guide to Microsoft Windows Server covers such topics as drives and disk volumes, event logs, networking, security, backup and restore, and remote administration.

Aims to delve deep into Windows Management Instrumentation (WMI) to understand the manageable entities of the Windows world. This book offers a structured description of the important WMI providers available from Windows NT 4.0 to Windows Server 2003 (including Windows 2000 and Windows XP).

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

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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 Download all examples and source code presented in this book from informit.com/title/9780672329883.

Understanding WMI Scripting explains to Windows and Exchange Administrators how they can use the Windows Management Instrumentation (WMI) scriptable technology available in these products to ease their day-to-day management tasks. Under Windows.NET and Exchange 2000 (SP2), Microsoft is making solid enhancements in WMI. This will dramatically extend the scripting and manageability capabilities of Windows and Exchange. Illustrated with more than three hundred samples, the book links practical problems encountered by administrators to applicable scriptable solutions. Lissoir focuses not on MI programming aspects for developers but on how administrators can use what is available in Windows and Exchange for their admin work. WMI is a very important topic under Windows.NET and Exchange 2000 (SP2), so this book provides real added value to Windows/Exchange administrators. Although Exchange relies on Windows, no other book combines

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coverage of Windows and Exchange. · Fine tune management of Windows servers · Achieve better system management and customize critical operations · Access hundreds of usable scripts in book and downloadable from web

Covers topics including upgrading to Windows Server 2003, networking, Internet Information Services, XML Web services, security, storage management, clustering services, and multilingual support.

Learn PowerShell from the inside out, right from basic scripting all the way to becoming a master at automating, managing, and maintaining your Windows environment About This Book Use proven best practices to optimize code and automate redundant tasks Get to grips with PowerShell's advanced functions and effectively administer your system Create a variety of PowerShell scripts to automate your environment Who This Book Is For If you are a system administrator who wants to become an expert in automating and managing your Windows environment, then this course is for you. Some basic understanding of PowerShell would be helpful. What You Will Learn Discover PowerShell commands and cmdlets and understand PowerShell formatting Solve common problems using basic file input/output functions Use .NET classes in Windows PowerShell and C# and manage Exchange Online Use PowerShell in C# to manage Exchange Online and work with .NET classes in PowerShell Automate LYNC clients, consuming client-side object models to administrate SharePoint Online Optimize code through the use of functions, switches, and looping structures Manage files, folders, and registries through the use of PowerShell Discover best practices to manage Microsoft systems In Detail Are you tired of managing Windows administrative tasks manually and are looking to automate the entire process? If yes, then this is the right course for you. This

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learning path starts your PowerShell journey and will help you automate the administration of the Windows operating system and applications that run on Windows. It will get you up and running with PowerShell, taking you from the basics of installation to writing scripts and performing web server automation. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. The next installment of the course focuses on gaining concrete knowledge of Windows PowerShell scripting to perform professional-level scripting. The techniques here are packed with PowerShell scripts and sample C# code to automate tasks. You will use .NET classes in PowerShell and C# to manage Exchange Online. In the final section, you will delve into real-world examples to learn how to simplify the management of your Windows environment. You will get to grips with PowerShell's advanced functions and how to most effectively administer your system. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Getting Started with PowerShell by Michael Shepard Windows PowerShell for .Net Developers Second Edition by Chendrayan Venkatesan and Sherif Talaat Mastering Windows PowerShell Scripting by Brenton J.W. Blawat Style and approach This is a step-by-step course to help you effectively administer and maintain your development environment with PowerShell.

All your Windows Server 2008 R2 questions answered—on the spot! Get up to speed on the new features of Windows Server 2008 R2 with this indispensable guide. Designed for busy IT professionals, it's the perfect go-to resource for quick answers and real-world solutions as you administer the new server OS. You'll find easy-to-read lists, quick-reference tables, helpful thumb tabs, and much more in a handy,

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compact format that puts the information you need at your fingertips. Topics include: Getting started and adding roles and functionality Automating tasks Managing users, groups, directories, and the centralized desktop Handling folder security, disk management, storage, backup, and recovery Monitoring and maintaining web servers Troubleshooting IP and managing remote access Doing performance tuning and maintaining virtual servers

A quick-start guide to mastering all of SQL Server 2000's hot new Web development and database programming features SQL Server 2000's new XML features, Windows Management Instrumentation (WMI), and scripting capabilities make it easier than ever for Web developers to create and manage flexible, scalable database applications optimized for the Internet--especially e-commerce applications. This quick-start guide is for Web developers and database programmers who need to get up to speed on these powerful new features. It begins with a no-frills tutorial on SQL programming basics and all the new SQL features. Then, step-by-step, it shows readers how to use those features to build cool database applications and to optimize database performance.

Provides instructions for automating Windows 2000 administrative tasks using scripting techniques in order to complete routine tasks in core administration areas.

The Ultimate Book on Group Policy Freshly updated to include Windows 7, Windows 8 and WindowsServer 2012, Group Policy: Fundamentals, Security, and theManaged Desktop, Second Edition is the book for learningeverything you need to know about Group Policy, no matter whichversion of

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Windows you use. Microsoft Group Policy MVP Jeremy Moskowitz covers it all—major Group Policy categories, what Windows 8 and Windows Server 2012 bring to the table, and smart ways to tackle tough desktop management problems. Topics include troubleshooting, security, scripting, using Windows PowerShell when necessary, and much more. Inside this book, you'll learn to: Master all Group Policy functions of Windows, including Windows XP through Windows 8 and Windows Server 2003 through Windows Server 2012 Enhance your Group Policy reach with the Group Policy Preferences, ADMX files, and additional add-ons Use every feature of the GPMC and become a top-notch administrator Troubleshoot Group Policy using tools, logs, Resource Kit utilities, Registry hacks, and third-party tools Manage printers, restrict hardware, and configure Internet Explorer Deploy software to your desktops, set up roaming profiles, and configure Offline Files for all your Windows clients—and manage it all with Group Policy settings Secure your desktops and servers with AppLocker, Windows Firewall with Advanced Security, and the Security Configuration Manager Download bonus chapters and: Script complex GPMC operations with PowerShell, including linking, backup, restore, permissions changes, and more Create a "change management" system with Advanced Group Policy Management (AGPM v4) Understand

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Windows Intune service and its relationship to GroupPolicy Coverage Includes: Updated GPMC New Windows 8 GPMC Features ADMX/ADML Files Group Policy Preferences Item-Level Targeting The Central Store AppLocker Fine-Grained Password Policy Offline Files Updates Inheritance Blocking Prioritization Linking Loopback Policy Processing Security Policy Processing Enforcing WMI Filters Third-Party Tools Cross-Forest Trusts Filters Commenting Searching Advanced Logging and Troubleshooting Advanced Auditing Controls Group Policy and VDI Security Configuration Manager Windows Intune

Part of a series of specialized guides on System Center - this book delivers a focused drilldown into designing runbooks for Orchestrator workflow management solutions. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key design concepts, criteria, and tasks.

Leveraging WMI Scripting Using Windows Management Instrumentation to Solve Windows Management Problems Elsevier

Hyper-V is one of the top virtualization products, and this practical guide focuses on the essentials of Windows Server 2008 Hyper-V. Written by the Microsoft team behind the Hyper-V product, this book shows you how to perform key virtualization scenarios, such as server consolidation, software

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test and development, and a dynamic data center and demonstrates how Hyper-V can be used to reduce cost and eliminate the complexity of a server infrastructure by consolidating workloads to a small number of machines. In addition, the material addresses using DPM, and SCOM with VMM in order to maintain and manage Hyper-V environments.

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