Windows Powershell Version 5 0 Advanced Topics Workshop

Prepare for the future of Microsoft automation with this no-nonsense guide Windows PowerShell 2 is the scripting language that enables automation within the Windows operating system. Packed with powerful new features, this latest version is complex, and Windows PowerShell 2 For Dummies is the perfect guide to help system administrators get up to speed. Written by a Microsoft MVP with direct access to the program managers and developers, this book covers every new feature of Windows PowerShell 2 in a friendly, easy-to-follow format. Windows PowerShell 2 is the updated scripting language that enables system administrators to automate Windows operating systems System administrators with limited scripting experience will find this book helps them learn the fundamentals of Windows PowerShell 2 quickly and easily Translates the jargon and complex syntax of Windows PowerShell 2 Covers script debugging improvements, the ability to invoke commands remotely, and the new user interface Uses real-world applications to clarify the theory, fundamentals, and techniques of the scripting language Written by a Microsoft MVP with direct access to the developers of Windows PowerShell 2 Windows PowerShell 2 For Dummies makes this tool easily accessible to

administrators of every experience level. Authoritative coverage of the latest version of Microsoft?s fastest-selling product Imagine being able to perform a task that requires dozens of clicks with just a single command, or automate a series of identical tasks rather than repeat them. This book shows you how to do just that?and more?by using Windows PowerShell cmdlets with SharePoint 2010. Focused on everyday and frequently performed tasks, this invaluable guide provides PowerShell solutions for maintaining a SharePoint environment and explains how more than 500 cmdlets that come with SharePoint 2010 allows you to automate just about anything. Step-by-step instructions walk you through the necessary concepts and real-world examples enhance your learning process. Highlights the ways in which PowerShell cmdlets take the tedium out of executing frequently performed commands in SharePoint 2010 by automating everyday tasks Explains how to install and configure a SharePoint environment Details the steps for deploying and managing Web applications, site collections, authentication, and solution packages Shows you how to manage operational settings and back up and restore data Automating SharePoint 2010 with Windows PowerShell 2.0 helps you save time and effort performing common tasks so that you can be more productive.

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.

Portable and precise, this pocket-sized guide delivers ready answers for automating everyday system-administration tasks with Windows PowerShell. Zero in on core commands and techniques using 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. Get fast facts to: Run core cmdlets—singly or in sequence—to streamline daily tasks Execute remote commands and background jobs Inventory computers; tweak configurations; manage domains Configure server roles, role services, and features Manage and troubleshoot TCP/IP networking Administer file systems, directories, and print services Implement security settings, event logs, and auditing Read and write registry values Automate system monitoring and performance tuning Extend Windows PowerShell with snap-ins and module extensions

This portable reference to Windows PowerShell 3.0 summarizes the command shell and scripting language, and provides a concise reference to the many tasks that make PowerShell so useful. If you're a busy Windows administrator, and don't have time to plow through huge books or search online, this is the ideal on-the-job tool. Written by Microsoft PowerShell team member Lee Holmes, and excerpted from his Windows PowerShell Cookbook, this edition offers up-to-date coverage of PowerShell 3.0. You'll find information on the .NET classes and legacy tools you need to manage your system, along with chapters on how to write scripts, manage errors, and format output. Beginning with a guided tour of Windows PowerShell, this handy guide covers: PowerShell language and environment Regular expression reference XPath quick reference .NET string formatting .NET DateTime formatting Selected .NET classes and their uses WMI reference Selected COM objects and their uses Selected events and their uses Standard PowerShell verbs Windows PowerShell 3.0 Step by StepMicrosoft Press

Streamline and modernize the way you manage Active Directory Use Windows PowerShell to simplify and accelerate Active Directory domain controller management, whether you're running Active Directory entirely in the cloud, on-premises, or in a hybrid environment. In this concise reference,

Microsoft MVP Charlie Russel presents the
commands, tested scripts, and best-practice advice
you need to deploy and run Active Directory in a
modern environment and to migrate smoothly to
cloud or hybrid deployments wherever they offer
more value. Supercharge your productivity as an
Active Directory administrator Get proven scripts that
leverage the power of Windows Server 2012 and
Windows Management Framework 4.0 and 5.0
Deploy forests and Active Directory Domain Services
(AD DS) Manage DNS and DHCP Create and
manage users and groups Deploy additional domain
controllers, read-only domain controllers (RODCs),
and domains Implement and manage fine-grained
password policies Perform fast, reliable backups and
restores Quickly extend on-premises Active
Directory deployments to the cloud Efficiently
manage roles and sites
Chrome ???????????? ???????????????
?????iPhone ????? YouTube ???????? 4K ?
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)
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. PowerShell provides a single, unified administrative command line from which to control and automate virtually every aspect of a Windows system. It accepts and executes commands immediately, and scripts can be written to manage most Windows

servers like Exchange, IIS, and SharePoint. This
updated book covers PowerShell features that run
on Windows 7, Windows Server 2008 R2, and later.
This edition is appropriate for PowerShell version 3
and later. There is coverage for new PowerShell
version 5 features like PowerShellGet, however
PowerShell fundamentals are unchanged. Learn
Windows PowerShell in a Month of Lunches, Third
Edition is an innovative tutorial designed for busy IT
professionals. With just one hour a day for a month,
readers will be automating Windows tasks faster
than they ever thought possible. They start with the
basics (What is PowerShell and what can be done
with it). Then, it moves systematically through the
techniques and features that facilitate efficient and
effective results. Purchase of the print book includes
a free eBook in PDF, Kindle, and ePub formats from
Manning Publications.
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.
Leverage the expertise of Windows PowerShell and
automate Microsoft products and technologies, on-
premises and in-cloudAbout 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 capabilitiesWho This Book Is ForThis 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 technologies such as Office 365 and Microsoft AzureIn DetailTechnology'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.

Here is your best companion to the capabilities and power that PowerShell offers. Inside this book, you'll discover the object-oriented features of the shell and how they help in extracting and manipulating data. You'll then learn how to use those features to solve real-world problems: manipulating files, working with text, monitoring systems, and performing operations over the network. In addition, you'll find freely available tools and extensions that help you get results with Windows PowerShell fast.

In-depth and comprehensive, this official RESOURCE KIT delivers the information you need to plan, implement, and manage a virtualized enterprise infrastructure. Covers R2 features. You

get authoritative technical guidance from those who know the technology best—leading industry experts and the Windows® Virtualization Team—along with sample scripts, job aids, and other essential resources. Get expert advice on how to: Manage the project visioning phase—scope, risks, budget Design Hyper-V server infrastructure and components Apply the steps and tools that streamline installation Configure single or multiple Hyper-V servers Plan a server workload consolidation strategy Use console-based tools to manage central and remote operations Minimize downtime when migrating from Microsoft® Virtual Server to Hyper-V Apply security best practices Implement business continuity and recovery plans Monitor health and tune performance CD features: Library of Windows PowerShell scripts for automating Hyper-V management tasks Understanding Microsoft Virtualization Solutions From Desktop to Datacenter eBook Job aids and links to useful virtualization-related resources and tools Fully searchable eBook of this guide A Note Regarding the CD or DVD The print version of this book ships with a CD or DVD. For those customers purchasing one of the digital formats in which this book is available, we are pleased to offer the CD/DVD content as a free download via OReilly Medias Digital Distribution services. To download this content, please visit OReillys web site, search for the title of this book to find its catalog page, and

click on the link below the cover image (Examples, Companion Content, or Practice Files). Note that while we provide as much of the media content as we are able via free download, we are sometimes limited by licensing restrictions. Please direct any questions or concerns to booktech@oreilly.com. Learning Web server administration doesn't have to be a frustrating experience, you can learn everything you need to manage IIS effectively by reading this book. To learn how to manage IIS, you need practical hands-on advice from an expert who has years of experience working with IIS. William Stanek is such an expert. By reading this book and working step by step through the essential tasks discussed, you can learn to: Install Web and application servers, Enable and configure remote administration, Perform administration using the command-line and Windows PowerShell, Configure Web sites, servers, and virtual directories, Manage the global IIS configuration settings, Customize Web content, HTTP headers, and error messages, Use included files, custom file types, and caching, Set up logging and track usage statistics. This book is designed for anyone who wants to learn how to manage IIS, including those who manage or support computers running Windows Server 2008 and Windows Server 2008 R2. Inside, you'll find comprehensive overviews, step-by-step procedures, frequently used tasks, documented examples, and much more. One

of the goals is to keep the content so concise that
the book remains compact and easy to navigate
while at the same time ensuring that the book is
packed with as much information as
possible--making it a valuable resource."
For years, support for scripting and command-line
administration on the Windows platform has paled in
comparison to the support offered by the Unix platform. Unix
administrators enjoyed the immense power and productivity
of their command shells, while Windows administrators
watched in envy. Windows PowerShell, Microsoft's next-
generation command shell and scripting language, changes
this landscape completely. This Short Cut contains the
essential reference material to help you get your work done-
including the scripting language syntax, a regular-expression
reference, useful .NET classes, and much more.
This is today's definitive hands-on guide to automating
Windows setup, deployment, and management with Windows
PowerShell. Microsoft senior consultant Ed Wilson ("The
Scripting Guy") fully illuminates every key PowerShell
technique -- especially the major improvements and new
cmdlets introduced with PowerShell 5.0. Wilson's positive and
humorous approach has made him one of the world's most
popular PowerShell instructors. His practical examples and
insights will help you maximize productivity and quality in all
your IT operations, and integrate automated workflows
throughout any traditional or cloud environment. Windows
PowerShell Step by Step, Third Edition offers more labs and
structured learning exercises than any other PowerShell 5.0
tutorial. Wilson guides you step-by-step through building
every script he demonstrates. He reinforces key concepts
with step-by-step exercises, including "One Step Further"
exercises that deepen your understanding, so you can solve

your unique problems. All examples and starter files are downloadable at the TechNet Script Center Script Repository. Coverage includes: Basic PowerShell concepts and cmdlets Key providers: Alias, Certificate, Environment, File System, Function, Registry, Variable, and WSMAN Remoting, jobs, scripts, functions, and modules Windows PowerShell ISE and snippets Creating, organizing, and running PowerShell profiles WMI: objects, namespaces, providers, classes, and queries Remoting WMI and calling WMI methods via CIM Automating Active Directory and AD Domain Services Debugging scripts and handling errors Defining complex workflows Using Desired State Configuration (DSC) to quickly enforce or restore configuration settings Finding and using the PowerShell Gallery's powerful new resources Each chapter concludes with a convenient quick reference, and Wilson presents detailed appendices on coding conventions and regular expressions. If you're upgrading from any earlier version of PowerShell, a new "Start Here" section identifies the most valuable PowerShell features you haven't already learned, so you can focus your efforts where they'll make you most productive.

Want to perform programming tasks better, faster, simpler, and make them repeatable? Take a deep dive into Windows PowerShell and discover what this distributed automation platform can do. Whether you're a .NET developer or IT pro, this concise guide will show you how PowerShell's scripting language can help you be more productive on everyday tasks. Quickly learn how to create PowerShell scripts and embed them into your existing applications, write "little languages" to solve specific problems, and take charge of your code. This book includes example scripts that you can easily pull apart, tweak, and then use in your own PowerShell and .NET solutions. Slice and dice text, XML, CSV, and JSON with ease Embed PowerShell to provide scripting

capabilities for your C# apps Create GUI applications five to ten times faster with less code Leverage PowerShell's capabilities to work with the Internet Interact with DLLs and create objects, automatically display properties, and call methods in live interactive sessions Build domain-specific languages (DSLs) and vocabularies to express solutions more clearly Work with Microsoft Office via the Component Object Model (COM) Discover PowerShell v3 features included with Windows 8 and Windows Server 2012 From the premiere author in Windows administration and Microsoft technologies, a hands-on, personalized guide to Windows PowerShell 3.0 and Windows PowerSehll 4.0. Chances are that if you work with Windows computers you've heard of Windows PowerShell. You may even have read other books about PowerShell and put PowerShell to work. However, you probably still have many questions about PowerShell, or you may simply be curious about what PowerShell 3.0 and PowerShell 4.0 have to offer that their predecessors didn't. Windows PowerShell 3.0 and Windows PowerShell 4.0 are enhanced and extended editions of the original implementations of PowerShell. The changes are dramatic, and they improve both the performance capabilities of PowerShell and its versatility. You can do things with PowerShell 3.0 and PowerShell 4.0 that you simply could not do with earlier versions, and you can perform standard tasks in much more efficient ways than before. This book is designed for anyone who wants to learn Windows PowerShell. Inside, you'll find comprehensive overviews, step-by-step procedures, frequently used tasks, documented examples, and much more. One of the goals is to keep the content so concise that the book remains compact and easy to navigate while at the same time ensuring that the book is packed with as much information as possible--making it a valuable resource.

Need a precise, focused training guide for Windows PowerShell? Get this Fast Start guide to quickly learn Windows PowerShell fundamentals. Regardless of whether you are an IT manager, developer, administrator or an advanced user, this Fast Start guide will help you learn the essential concepts needed to successfully work with Windows PowerShell. Covers all versions of Windows PowerShell, including PowerShell 3.0, 4.0 and 5.0. Use this guide with all current releases of Windows and Windows Server, including Windows 7, Windows 8.1, Windows 10, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2, and Windows Server 2016.

The next best thing to having your own private instructor guiding you through Windows 8 is this terrific book-and-online video training tool from Elaine Marmel. Fifteen self-paced lessons show you how to customize settings, work with Internet Explorer, connect peripherals, and handle maintenance and troubleshooting. The step-by-step print book makes detailed tasks less intimidating, while video tutorials available for download at the companion website really drive home concepts and reinforce the instruction as you learn. You'll also get thoroughly up to speed on what's new in Windows 8 and how to get the most out of the new features. Features step-by-step instructions that make even the most complicated tasks easy to understand, while the video training enhances the content covered in the print book Includes 15 self-paced lessons with step-by-step instruction in Windows OS basics as well as new Windows 8 features Covers customizing the settings, working with Internet Explorer, connecting peripherals, handling maintenance and troubleshooting, and more Windows 8 Digital Classroom lets you jump right into Windows 8 today with and start learning at your own pace. Note: The supplementary materials are not included as part of the e-book file. These materials are

available for download upon purchase
Buy the print version of¿ Microsoft SQL Server 2012
Unleashed and get the eBook version for free! eBook version
includes chapters 44-60 not included in the print. See inside
the book for access code and details. ¿ With up-to-the-minute
content, this is the industry's most complete, useful guide to
SQL Server 2012. ¿ You'll find start-to-finish coverage of
SQL Server's core database server and management
capabilities: all the real-world information, tips, guidelines,
and samples you'll need to create and manage complex
database solutions. The additional online chapters add
extensive coverage of SQL Server Integration Services,
Reporting Services, Analysis Services, T-SQL programming,
.NET Framework integration, and much more. ¿ Authored by
four expert SQL Server administrators, designers,
developers, architects, and consultants, this book reflects
immense experience with SQL Server in production
environments. Intended for intermediate-to-advanced-level
SQL Server professionals, it focuses on the product's most
complex and powerful capabilities, and its newest tools and
features. Understand SQL Server 2012's newest features,
licensing changes, and capabilities of each edition Manage
SQL Server 2012 more effectively with SQL Server
Management Studio, the SQLCMD command-line query tool,
and Powershell Use Policy-Based Management to centrally
configure and operate SQL Server Utilize the new Extended
Events trace capabilities within SSMS Maximize performance
by optimizing design, queries, analysis, and workload
management Implement new best practices for SQL Server
high availability Deploy AlwaysOn Availability Groups and
Failover Cluster Instances to achieve enterprise-class
availability and disaster recovery Leverage new business
intelligence improvements, including Master Data Services,
Data Quality Services and Parallel Data Warehouse Deliver

better full-text search with SQL Server 2012's new Semantic Search Improve reporting with new SQL Server 2012 Reporting Services features Download the following from informit.com/title/9780672336928: Sample databases and code examples ¿ ¿

Cookbook with recipes based on real life examples.This book is written to assist the daily tasks for systems administrators, engineers, and architects working with Windows Server 2012. 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 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

This book will teach you all about Windows Server AppFabric, a set of extensions to Windows Server that allow it to function as a lightweight, application server. The combination of Windows Server and AppFabric provides an easy-to-manage platform for developing, deploying, and reliably hosting middle-tier WCF/WF services. Windows Server AppFabric fills an important vacuum left in the wake of COM and COM+'s demise as the .NET platform has risen to prominence. Provided as an extension to Internet Information Services (IIS), the built-in application server frees you from having to create your own Windows services to perform application hosting. Instead, you can take advantage of plumbing and infrastructure that Microsoft provides for you, freeing you to focus on just your business logic while still being able to deploy n-tier solutions on Windows Server. In this

way, Windows Server AppFabric solves the problem of developing, deploying, and reliably hosting middle-tier WCF/WF services. If you're an experienced developer, you'll want to learn about Windows Server AppFabric fast, without a lot of reading. And that's what this book is all about. It cuts to the chase and shows you the simplicity and elegance that combine to form Windows Server AppFabric, getting you up to speed fast, so that you can take advantage of all the platform has to offer. Microsoft SharePoint 2010 and Windows PowerShell 2.0: Expert Cookbook is a concise and above all advanced cookbook, with practical expert recipes for SharePoint and PowerShell automation. If you are a SharePoint administrator or IT Pro who wants to extend your knowledge of PowerShell automation, this book is a must have. You should have a solid grasp of working with SharePoint and PowerShell respectively. Describes the concepts, components, and development techniques of Windows PowerShell to enable users to build software packages and applications. 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 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.
Windows 11 ?????????????? ?????????????? ??????????????? ?????????????? ?? ????????
Packed with more than 300 sample scripts and an extensive collection of library functions, this essential scripting book is the most thorough guide to Windows scripting and PowerShell on the market. You'll examine how Windows scripting is changing the face of system and network administration by giving everyday users, developers, and administrators the ability to automate repetitive tasks. Plus, this is the first time that VBScript, Jscript, and Powershell are all covered in a single resource.
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

As the only complete reference for Windows command line utilities, this book take an in-depth look at the often-overlooked utilities accessible through the command line in Windows Vista, 2003, XP, and 2000. You'll learn to locate files, check status, monitor systems, and save time by using scripts to automate time-consuming tasks. Plus, this is the only book on the market with the complete set of Windows command line utilities—including the latest for Vista—and offers solutions that will help increase your productivity. 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 Windows you use. Microsoft Group Policy MVP JeremyMoskowitz covers it all—major Group Policy categories, whatWindows 8 and Windows Server 2012 bring to the table, and smartways to tackle tough desktop management problems. Topics includetroubleshooting, security, scripting, using Windows PowerShell whennecessary, and much more. Inside this book, you'll learn to: Master all Group Policy functions of Windows, including WindowsXP through Windows 8 and Windows Server 2003 through Windows Server2012 Enhance your Group Policy reach with the Group PolicyPreferences, ADMX files, and additional add-ons Use every feature of the GPMC and become a top-notchadministrator Troubleshoot Group Policy using tools, logs, Resource Kitutilities, Registry hacks, and third-party tools Manage printers, restrict hardware, and configure InternetExplorer Deploy software to your desktops, set up roaming profiles, andconfigure Offline Files for all your Windows clients—andmanage it all with Group Policy settings Secure your desktops and servers with AppLocker, WindowsFirewall with Advanced Security, and the Security

ConfigurationManager Download bonus chapters and: Script complex GPMC operations with PowerShell, includinglinking, backup, restore, permissions changes, and more Create a "change management" system with Advanced Group PolicyManagement (AGPM v4) Understand 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

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.

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