Windows Powershell Version 5 0 Advanced Topics Workshop

Get your mission-critical messaging and collaboration systems up and running with the essential guide to deploying and managing Exchange Server 2007, now updated for SP1. This comprehensive administrator's reference covers the full range of server and client deployments, unified communications, security features, performance optimization, troubleshooting, and disaster recovery. It also includes four chapters on security policy, tools, and techniques to help protect messaging systems from viruses, spam, and phishing. Written by expert authors Walter Glenn and Scott Lowe, this reference delivers comprehensive information to deploy and operate effective, reliable, and security-enhanced messaging and collaboration services.
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)
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 Toolk 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.

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

Here's the complete guide to Windows PowerShell 2.0 foradministrators and developers Windows PowerShell is Microsoft's next-generation scripting andautomation language. This comprehensive volume provides thebackground that IT administrators and developers need in order tostart using PowerShell automation in exciting new ways. It explainswhat PowerShell is, how to use the language, and specific ways toapply PowerShell in various technologies. Windows PowerShell is Microsoft's standard automation tool andsomething that every Windows administrator will eventually have tounderstand; this book provides the background necessary to applyPowerShell automation. Covers how to use the language and specific ways to applyPowerShell in a variety of scenarios Addresses new features in the latest version of PowerShell andthe additional functionality delivered by new products that providedirect or indirect ways to use PowerShell for scripting andautomation purposes Explores the language fundamentals and how to use PowerShellfor desktop, server, server application, and virtualization/cloudsituations This thorough guide goes well beyond theory to offer real-worldinformation and new scripting techniques, enabling administratorsand developers to make the most of PowerShell 2.0.

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

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. 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.

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.

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.

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 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.

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

Expert recommendations, pragmatically applied. Automate
system administration using Windows PowerShell best
practices—and optimize your operational efficiency. With this
practical guide, Windows PowerShell expert and instructor Ed
Wilson delivers field-tested tips, real-world examples, and

candid advice culled from administrators across a range of business and technical scenarios. If you're an IT professional with Windows PowerShell experience, this book is ideal. Discover how to: Use Windows PowerShell to automate Active Directory tasks Explore available WMI classes and methods with CIM cmdlets Identify and track scripting opportunities to avoid duplication Use functions to encapsulate business logic and reuse code Design your script's best input method and output destination Test scripts by checking their syntax and performance Choose the most suitable method for running remote commands Manage software services with Desired State Configuration 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.
Getting Started with PowerShellPackt Publishing Ltd

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.
Key concepts, sample applications, best practices, and troubleshooting tips to build highly scalable applications in AWS. Key Features Design highly available, cost efficient, fault tolerant, and scalable distributed systems A practical guide that will help you build, deploy, and manage applications with ease. Develop effective solutions with AWS SDK and Lambda Book Description Continuous deployment and Agile methodology have enabled huge advances in modern applications. This book will enable the reader to make use of this rapidly evolving technology to build highly scalable applications within AWS using different

architectures. You will begin with installation of AWS SDK and you will get hands-on experience on creating an application using AWS Management Console and AWS Command Line Interface (CLI). Next you will be integrating Applications with AWS services such as DynamoDB, Amazon Kinesis, AWS Lambda, Amazon SQS and Amazon SWF Following this you will get well versed with CI/CD workflow and work with four major phases in Release processes – Source, Build, Test and Production. Next you will learn to apply AWS developer tools in your Continuous Integration (CI) and Continuous Deployment (CD) WorkFlow. Later you will learn about User Authentication using Amazon Cognito and also how you can evaluate the best architecture as per your infrastructure costs. You will learn about Amazon EC2 service and deploy an app using Amazon EC2.You will also get well versed with container service which is Amazon EC2 Container Service (Amazon ECS) and you will learn to deploy an app using Amazon ECS. Along with EC2 and ECS, you will also deploying a practical real-world example of a CI/CD application with the Serverless Application Framework which is known as AWS Lambda. Finally you will learn how to build, develop and deploy the Application using AWS Developer tools like AWS CodeCommit, AWS CodeBuild, AWS CodeDeploy and AWS CodePipeline as per project needs. Also you can develop and deploy

applications within minutes using AWS CodeStar from wizard. By the end of this book, the reader will effectively build, deploy, and manage applications on AWS along with scaling and securing applications with best practices and troubleshooting tips. What you will learn Learn how to get up and running with AWS Developer Tools. Integrate the four major phases in the Release Processes. Source, Build, Test and Production. Learn how to integrate Continuous Integration, Continuous Delivery, and Continuous Deployment in AWS. Make secure, scalable and fault tolerant applications. Understand different architectures and deploy complex architectures within minutes Who this book is for This book targets developers who would like to build and manage web and mobile applications and services on the AWS platform. If you are an architect you will be able to take a deep dive and use examples that can be readily applied to real world scenarios. Some prior programming experience is assumed along with familiarity of cloud computing. Apply best practices for automating system administration with Windows PowerShell 2.0 and optimize your operational efficiency and results. This guide captures the field-tested tips, real-world lessons, and candid advice of practitioners across the range of business and technical scenarios and across the scripting life cycle. Discover how to: Take advantage of new features and cmdlets in Windows

PowerShell 2.0 Plan scripting usage scenarios and define standards Deploy Windows PowerShell 2.0 to desktops and servers Configure scripting environments Optimize remote scripting capabilities Work with Active Directory and WMI Design functions and modules Optimize input and output Handle errors Document scripts Test and troubleshoot scripts Avoid scripting pitfalls The companion CD includes a fully searchable eBook and sample scripts. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook. This book groups features into logical chapters by topic. Each feature is fully explained, with relevant background information, and simple examples. Administrators or power users looking to quickly learn and explore the new features of PowerShell 3.0 will find this book handy. Prior experience of Powershell is not required but may make some topics easier to understand.
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.

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.

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. PowerShell ist eine leistungsfähige und vielseitige

Kommandozeilenund Programmiersprache. Windows-Anwender besitzen sie bereits, denn sie ist Teil des Betriebssystems. Linuxund MacOS-Anwender können PowerShell kostenlos herunterladen. PowerShell wurde entwickelt, um Routineaufgaben in der IT zu automatisieren, anstatt mit immer denselben Klicks und Handgriffen Zeit zu vergeuden. PowerShell-Kenntnisse sind für Windows-Administratoren unverzichtbar. Da PowerShell inzwischen auf Linux und MacOS unterstützt wird, eignet sie sich auch für die Administration heterogener Umgebungen. Aber auch ambitionierte Privatanwender schätzen PowerShell als leicht zu erlernende Programmierspache, mit der man z.B. automatisch Sicherungskopien anlegen oder einen Downloadmanager einrichten kann. Dieses Buch ist die überarbeitete und gekürzte Fassung des über 1.100 Seiten starken PowerShell 5: Windows-Automation für Einsteiger und Profis und konzentriert sich auf die für Einsteiger wesentlichen Inhalte. Sie benötigen kein Vorwissen und können mit überschaubarem Zeitaufwand Schritt für Schritt die Möglichkeiten der PowerShell entdecken. Die Beispiele verwenden den Befehlssatz der Windows PowerShell. Nicht alle Beispiele sind auf Linux und MacOS lauffähig. Aus dem Inhalt: PowerShell auf Windows, Linux, MacOS einsatzbereit machen Schnelleinstieg: rasche Erfolge mit interaktiven Kommandos Routineaufgaben mit PowerShell-

Skripten lösen Durchdachter Einsatz der objektorientierten Pipeline Textoperationen, Parsing und reguläre Ausdrücke Direkter .NET-Framework-Zugriff mit Objekten und Typen Wiederkehrende Aufgaben als eigene Befehle in Modulen verfügbar machen Mit PowerShellGet Module und Skripte zentral verwalten

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."

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. Master the art of automating and managing your environment using PowerShell About This Book Find quick solutions to automate your environment with ease Work with large amounts of data effortlessly with PowerShell data types and secure them Packed with real-world examples to automate and simplify the management of your Windows environment Who This Book Is For 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. It is also for those new to the PowerShell language. What You Will Learn Optimize code through the use of functions, switches, and looping structures Install PowerShell on your Linux system Utilize variables, hashes, and arrays to store data Work with Objects and Operators to test and manipulate data Parse and manipulate different data types Write .NET classes with ease within the PowerShell Create and implement regular expressions in PowerShell scripts Deploy applications and code with PowerShell's Package management modules Leverage session-based remote management Manage files, folders, and registries through the use of PowerShell In Detail PowerShell scripts offer a handy way to automate various chores. Working with these scripts effectively can be a difficult task. This comprehensive guide starts from scratch and covers advanced-level topics to make you a PowerShell expert. The first module, PowerShell Fundamentals, begins with new features, installing PowerShell on Linux, working with parameters and objects, and also how you can work with .NET classes from within PowerShell. In the next module, you'll see how to efficiently manage large amounts of data and interact with other services using PowerShell. You'll be able to make the most of PowerShell's powerful automation feature, where you will have different methods to parse and

manipulate data, regular expressions, and WMI. After automation, you will enter the Extending PowerShell module, which covers topics such as asynchronous processing and, creating modules. The final step is to secure your PowerShell, so you will land in the last module, Securing and Debugging PowerShell, which covers PowerShell execution policies, error handling techniques, and testing. By the end of the book, you will be an expert in using the PowerShell language. Style and approach This practical guide covers all the advanced PowerShell functionalities that an administrator needs to learn to automate their environments.

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

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.

Describes the concepts, components, and development techniques of Windows PowerShell to enable users to build software packages and applications.

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.

Your hands-on guide to Windows PowerShell scripting fundamentals Expand your expertise--and teach yourself the fundamentals of Windows PowerShell scripting, including features available in Windows PowerShell 5. If you are an IT professional, power user, or consultant, you'll get the guidance, exercises, and code you need to master core techniques for automating Windows setup, deployment, and management. Discover how to: Run cmdlets and command-line utilities Administer Windows-based servers and desktops with built-in cmdlets Use providers to access external information Write and run scripts from the Windows ISE Create functions that are easy to maintain Build standardized environments with profiles Automate Windows systems with WMI, CIM cmdlets, and remoting Automate Active Directory Domain Services (AD DS) Debug scripts and handle errors Run commands that survive interruptions Use Desired State Configuration (DSC) to manage software services and their environments Get powerful new modules from PowerShell Gallery About You This book is for: IT professionals and power users who want to get productive with Windows PowerShell, including new features in Windows PowerShell 5 Windows system administrators who want to be more efficient and productive Anyone pursuing Windows PowerShell certifications No experience with Windows PowerShell or other scripting technologies necessary

Learn the fundamentals of PowerShell to build
reusable scripts and functions to automate
administrative tasks with Windows About This Book
Harness the capabilities of the PowerShell system to
get started quickly with server automation Learn to
package commands into a reusable script and add
control structures and parameters to make them
flexible Get to grips with cmdlets that allow you to
perform administration tasks efficiently Who This
Book Is For This book is intended for Windows
administrators or DevOps users who need to use
PowerShell to automate tasks. Whether you know
nothing about PowerShell or know just enough to get
by, this guide will give you what you need to go to
take your scripting to the next level. What You Will
Learn Learn to verify your installed version of
PowerShell, upgrade it, and start a PowerShell
session using the ISE Discover PowerShell
commands and cmdlets and understand PowerShell
formatting Use the PowerShell help system to
understand what particular cmdlets do Utilise the
pipeline to perform typical data manipulation
Package your code in scripts, functions, and
modules Solve common problems using basic file
input/output functions Find system information with
WMI and CIM Automate IIS functionality and
manage it using the WebAdministration module In
Detail Windows PowerShell is a task-based
command-line shell and scripting language designed

specifically for system administration. Built on the .NET Framework, Windows PowerShell helps IT professionals and power users control and automate the administration of the Windows operating system and applications that run on Windows. PowerShell is great for batch importing or deleting large sets of user accounts and will let you collect a massive amount of detailed system information in bulk via WMI (Windows Management Instrumentation). Getting Started with PowerShell is designed to help you get up and running with PowerShell, taking you from the basics of installation, to writing scripts and web server automation. This book, as an introduction to the central topics of PowerShell, covers finding and understanding PowerShell commands and packaging code for reusability, right through to a practical example of automating IIS. It also includes topics such as installation and setup, creating scripts, automating tasks, and using Powershell to access data stores, registry, and file systems. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. Along the way, you will learn to perform data manipulation and solve common problems using basic file input/output functions. By the end of this book, you will be familiar with PowerShell and be able to utilize the lessons learned from the book to automate your servers. Style and approach A practical learning guide,

complete with plenty of activities, examples and screenshots.

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.

Get started with this powerful Windows administration tool Automate Windows administration tasks with ease by learning the fundamentals of Windows PowerShell 3.0. Led by a Windows PowerShell expert, you'll learn must-know concepts and techniques through easy-to-follow explanations, examples, and exercises. Once you complete this practical introduction, you can go deeper into the Windows PowerShell command line interface and scripting language with Windows PowerShell 3.0 Step by Step. Discover how to: Create effective Windows PowerShell commands with one line of code Apply Windows PowerShell commands across several Windows platforms Identify missing hotfixes and service packs with a single command Sort, group, and filter data using the

Windows PowerShell pipeline Create users, groups, and organizational units in Active Directory Add computers to a domain or workgroup with a single line of code Run Windows PowerShell commands on multiple remote computers Unleash the power of scripting with Windows Management Instrumentation (WMI)

With more than 250 ready-to-use recipes, this solutions-oriented introduction to the Windows PowerShell scripting environment and language provides administrators with the tools to be productive immediately.

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.

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

purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

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.

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

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