

Windows PowerShell

Yeah, reviewing a book **Windows PowerShell** could mount up your near connections listings. This is just one of the solutions for you to be successful. As understood, expertise does not recommend that you have fabulous points.

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PowerShell Deep Dives - Oisin Grehan 2013-07-25

Summary Here's your chance to learn from the best in the business. PowerShell Deep Dives is a trove of essential techniques, practical guidance, and the expert insights you earn only through years of experience. Editors Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic hand-picked the 28 chapters in the book's four parts: Administration, Scripting, Development, and Platforms. About the Technology PowerShell has permanently changed Windows administration. This powerful scripting and automation tool allows you to control virtually every aspect of Windows and most Microsoft servers like IIS and SQL Server. Here's your chance to learn from the best in the business. About this Book PowerShell Deep Dives is a trove of essential techniques and practical guidance. It is rich with insights from experts who won them through years of experience. The book's 28 chapters, grouped in four parts (Administration, Scripting, Development, and Platforms), were hand-picked by four section editors: Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic. Whether you're just getting started with PowerShell or you already use it daily, you'll find yourself returning to this book over and over. What's Inside Managing systems through a keyhole The Ten Commandments of PowerShell scripting Scalable scripting for large datasets Adding automatic remoting Provisioning web servers and websites automatically to IIS 8 And 23 more fantastic chapters Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Editors Jeffery Hicks, Richard Siddaway, Oisin Grehan, and Aleksandar Nikolic are joined by PowerShell experts Chris Bellee, Bartek Bielawski, Robert C. Cain, Jim Christopher, Adam Driscoll, Josh Gavant, Jason Helmick, Don Jones, Ashley McGlone, Jonathan Medd, Ben Miller, James O'Neill, Arnaud Petitjean, Vadims Podans, Karl Prosser, Boe Prox, Matthew Reynolds, Mike Robbins, Donabel Santos, Will Steele, Trevor Sullivan, and Jeff Wouters. Table of Contents PART 1 POWERSHELL ADMINISTRATION Diagnosing and troubleshooting PowerShell remoting CIM sessions 22 Collecting and analyzing performance counter data TCP port communications with PowerShell Managing systems through a keyhole Using PowerShell to audit user logon events Managing and administering a certification authority database with PowerShell Using PowerShell to reduce Active Directory token bloat PART 2 POWERSHELL SCRIPTING The 10 PowerShell scripting commandments Avoiding the pipeline A template for handling and reporting errors Tips and tricks for creating complex or advanced HTML reports with PowerShell Using and "abusing" dynamic parameters PowerShell type formatting Scalable scripting for large data sets: pipeline and database techniques Building your own WMI-based cmdlets Turning command-line tools into PowerShell tools PART 3 POWERSHELL FOR DEVELOPERS Using Source Control Software with PowerShell Inline .NET code PowerShell and XML: better together Adding automatic remoting to advanced functions and cmdlets Taming software builds (and other complicated processes) with psake PART 4 POWERSHELL PLATFORMS PowerShell and the SQL Server provider Creating flexible subscriptions in SSRS Inventory database table statistics using PowerShell SQL Server Management Objects WSUS and PowerShell Provisioning IIS web servers and sites with PowerShell Active Directory Group Management application

Windows PowerShell in Action - Bruce Payette 2011

A guide to using Windows PowerShell to script Windows administrative tasks and control Windows from the command line.

Windows Powershell in Action - Bruce Payette 2016-09-28

Windows PowerShell transformed the way administrators and developers interact with Windows. PowerShell, an elegant dynamic language from Microsoft, lets its users script administrative tasks and control Windows from the command line. Because it's a full-featured, first-class Windows programming language, programmers and power-users can now do things in a shell that previously required VB, VBScript, or C#. Windows PowerShell in Action, Third Edition is a completely revised edition of the

bestselling book on PowerShell. It keeps the same crystal-clear introduction to PowerShell as the last edition and adds extensive coverage of v3, v4, and v5 features such as PowerShell Workflows, Desired State Configuration, PowerShell classes and the PowerShell APIs, new error handling and debugging features. It includes full chapters on these topics and also covers new language elements and operators, PowerShell remoting, CIM, events, working with data such as XML and flat files, The Second Edition's coverage of batch scripting and string processing, COM, WMI, and .NET have all been significantly revised and expanded. The book includes many popular usage scenarios and is rich in interesting examples that will spark the reader's imagination. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

PowerShell 7 for IT Professionals - Thomas Lee 2020-12-22

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 PowerShell 7 to engage in their most important tasks, such as managing networking, using AD/DNS/DHCP, leveraging Azure, and more. To 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.

Professional Windows PowerShell Programming - Arul Kumaravel 2008-02-19

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

Windows PowerShell Unleashed - Tyson Kopczynski 2008-12-04

PowerShell gives Windows administrators immense power to automate and customize virtually any administrative task—saving time, increasing productivity, and giving you unprecedented flexibility. PowerShell 2.0 adds important new features that offer even greater control over Windows environments. Windows PowerShell Unleashed will not only give you deep mastery over PowerShell but also a greater understanding of the features being introduced in PowerShell 2.0—and show you how to use it to solve your challenges in your production environment. The authors begin by systematically illuminating PowerShell's core concepts and techniques, helping you leverage whatever Windows scripting experience you may already have. Next, using complete, easy-to-adapt examples, they show how to use PowerShell to manage file systems, permissions, the Registry, WMI objects, Active Directory, Exchange Server, and many other elements of the Windows environment. More than half of this edition's material and examples have been completely rewritten for PowerShell 2.0, and the authors have added seven entirely new chapters—covering security, PowerShell application development, Systems Center Operations Manager 2007, and much more. Whatever Windows systems you manage, Windows PowerShell Unleashed contains the scripts and techniques you need to manage them far more effectively. Install, configure, and customize PowerShell 2.0 and master its command

line interface Discover proven best practices for PowerShell scripting Make the most of PowerShell cmdlets—especially the new cmdlets included in PowerShell 2.0 Leverage PowerShell's deep .NET Framework integration Secure your scripts using code signing, execution policies, and PowerShell's built-in security Use custom script functions to manage permissions more efficiently Control the registry locally and remotely and use PowerShell's powerful new registry transactions Use PowerShell as a management interface Automate Exchange Server 2007 administrative tasks Automate the management of Microsoft's new System Center Operations Manager 2007 Preview the forthcoming Graphical PowerShell scripting environment Understand how to manage Active Directory using PowerShell Master using PowerShell with WMI Learn PowerShell 2.0 remoting

Windows PowerShell 2.0 Bible - Thomas Lee 2011-09-26

Here's the complete guide to Windows PowerShell 2.0 for administrators and developers Windows PowerShell is Microsoft's next-generation scripting and automation language. This comprehensive volume provides the background that IT administrators and developers need in order to start using PowerShell automation in exciting new ways. It explains what PowerShell is, how to use the language, and specific ways to apply PowerShell in various technologies. Windows PowerShell is Microsoft's standard automation tool and something that every Windows administrator will eventually have to understand; this book provides the background necessary to apply PowerShell automation. Covers how to use the language and specific ways to apply PowerShell in a variety of scenarios Addresses new features in the latest version of PowerShell and the additional functionality delivered by new products that provide direct or indirect ways to use PowerShell for scripting and automation purposes Explores the language fundamentals and how to use PowerShell for desktop, server, server application, and virtualization/cloud situations This thorough guide goes well beyond theory to offer real-world information and new scripting techniques, enabling administrators and developers to make the most of PowerShell 2.0.

Windows Powershell autorizado - Tyson Kopczynski 2008

O PowerShell é um novo shell de linha de comandos, e uma linguagem de script desenvolvida pela Microsoft para fornecer aos profissionais de TI a capacidade de automatizar e personalizar totalmente as tarefas administrativas nos sistemas gerenciados. Aproveitando a incrível capacidade do .NET Framework, o PowerShell, com sua sintaxe fácil de aprender e coleção de ferramentas poderosas, é totalmente construído para economizar tempo e fornecer a capacidade e a flexibilidade necessárias para aumentar a produtividade. O 'Windows PowerShell Autorizado' concentra-se primeiro no básico do PowerShell - como ele se relaciona com as práticas de script existentes do Windows e como seu conhecimento existente pode ser traduzido em conhecimento para o PowerShell. Depois de compreender o PowerShell, o autor apresenta exemplos de script PowerShell transferíveis. Ele descreve exemplos e métodos para ajudá-lo a gerenciar o Windows Server, Active Directory e Exchange Server 2007, através de exemplos.

Windows PowerShell in 24 Hours, Sams Teach Yourself - Timothy L. Warner 2015-05-02

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

Windows PowerShell 2.0 Best Practices - Ed Wilson 2009-12-16

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.

Windows PowerShell: The Personal Trainer for Windows PowerShell 3.0 and Windows PowerShell 4.0 - William Stanek 2014-08-25

From the premiere author in Windows administration and Microsoft technologies, a hands-on, personalized guide to Windows PowerShell 3.0 and Windows PowerShell 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.

Windows PowerShell Self-Study Training Kit - William Stanek

Training Solutions 2016-02-02

135,000 words... 2 Full-length Personal Training Guides in 1 Convenient Kit! 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 training kit remains compact and easy to navigate while at the same time ensuring that this training kit is packed with as much information as possible--making it a valuable resource. After reading this training kit, you'll have a better understanding of using Windows PowerShell to work with and manage Windows. Techniques for working at the prompt and using scripts are covered extensively. Take control of Windows and Windows Server today using PowerShell! Includes the full contents of: Windows PowerShell: The Personal Trainer Windows PowerShell for Administration: The Personal Trainer Windows PowerShell Self-Study Training Kit starts by teaching you how to: Streamline daily tasks using cmdlets Initialize the scripting environment Format output and use output streams Extend Windows PowerShell Use sessions and remoting Execute remote commands and schedule jobs Manage computers using scripts Validate PowerShell requirements while scripting Use conditional statements to control script execution Use control loops to execute commands repeatedly Record PowerShell sessions using transcripts Manage blocks of commands More, more, more Then Windows PowerShell Self-Study Training Kit shows you how to: Manage system configuration Gather system information Inventory and evaluate computers Work with files, directories and drives Configure security permissions and auditing Configure event logging Write custom events Manage configuration of system services Create and use restore points Manage computer accounts and join computers to domains Manage running processes and services Monitor system performance Resolve performance issues More,

more, more

Windows PowerShell 2.0 Administrator's Pocket Consultant -

William Stanek 2009-05-27

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

Windows PowerShell 3.0 First Steps - Ed Wilson 2013-07-15

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)

Windows PowerShell Step by Step - Ed Wilson 2015-10-27

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.

Windows PowerShell Best Practices - Ed Wilson 2014-01-15

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

Windows Powershell for Developers - Douglas Finke 2012

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

Instant Windows PowerShell Guide - Harshul Patel 2013-11-25

Enhance your knowledge of Windows PowerShell and get to grips with its latest features

Windows PowerShell Cookbook - Lee Holmes 2010-08-13

Do you know how to use Windows PowerShell to navigate the filesystem and manage files and folders? Or how to retrieve a web page? This introduction to the PowerShell language and scripting environment provides more than 430 task-oriented recipes to help you solve the most complex and pressing problems, and includes more than 100 tried-and-tested scripts that intermediate to advanced system administrators can copy and use immediately. You'll find hands-on tutorials on fundamentals, common tasks, and administrative jobs that you can apply whether you're on a client or server version of Windows. You also get quick references to technologies used in conjunction with PowerShell, including format specifiers and frequently referenced registry keys to selected .NET, COM, and WMI classes. With Windows PowerShell Cookbook, you'll get more done in less time. Take a tour of PowerShell's core features, including the command model, object-based pipeline, and ubiquitous scripting Learn PowerShell fundamentals such as the interactive shell and fundamental pipeline and object concepts Perform common tasks that involve working with files, Internet-connected scripts, user interaction, and more Solve tasks in systems and enterprise management, such as working with Active Directory, the filesystem, registry, event logs, processes, and services

Powershell - Matthew Adams 2017-03-13

Are You Looking To Navigate The Filesystem, Manage Files and Folders, Or Retrieve A Web Page? Ready To Learn Efficient PowerShell Scripts?Yes, you can use Windows PowerShell Help system as the quickest way to discover the commands you need for the particular task you want to accomplish.Windows PowerShell is Microsoft's standard automation tool and something that every Windows administrator will eventually have to understand. The book, "PowerShell: The PowerShell for Beginners Guide to Learn PowerShell Scripting, PowerShell 5 and Windows PowerShell", is filled with examples and fun little exercises that will show the reader the results of their work immediately and encourages the reader to continue learning. It provides the background necessary to apply PowerShell automation and introduces the PowerShell Script Language, shows the secure execution of command sequences as scripts, and demonstrates how to use PowerShell to access essential operating system interfaces.What you will learn inside the book: The Basics of PowerShell Learning the PowerShell Commands PowerShell Script Creation PowerShell Providers Working with Files and Folders Making PowerShell Work for You PowerShell Terminology This book will guide you through the very basics and up to the point where you will have enough tools to learn more advanced guidebooks or continue scripting and automating Windows using PowerShell.No Experience With Windows Powershell Or Other Scripting Technologies NecessaryThis book is designed for anyone who wants to learn Windows

PowerShell. By the end of the book, you will be able to: Optimize code through the use of functions, switches, and looping structures Utilize variables, hashes, and arrays to store data Work with Objects and Operators to test and manipulate data Create and implement regular expressions in PowerShell scripts Leverage session-based remote management Manage files, folders, and registries through the use of PowerShell Discover the best practices to manage Microsoft systems 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. What are you waiting for? Buy "PowerShell: The PowerShell for Beginners Guide to Learn PowerShell Scripting, PowerShell 5 and Windows PowerShell" right now and prepare for the future of Microsoft automation!

Windows PowerShell - Jason Helmick 2014-09-01

Windows PowerShell Step by Step - Ed Wilson 2015-10-13

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 Windows Powershell in a Month of Lunches - Donald W. Jones 2016-10-01

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.

Windows Powershell and Scripting Made Easy For Sysadmins - Craig Berg 2021-01-18

Are you a system administrator, consultant, or power user who wants to expand their expertise in automating and controlling the windows environment? And are you looking for a comprehensive guide that will help you become a pro at your own convenience and pace even if you've never set foot into a software development class? If you answered YES to these questions, this book is for you so keep on reading... You Are About To Master How To Unlock The Advanced Functionalities Of Windows Powershell Scripting To Help You Automate Different Tasks In The Windows Environment! Windows PowerShell is a very powerful tool that most people do not yet know of as it is still fairly new. It offers a handy way to automate the windows environment. However, working with this function can be difficult if you do not have the necessary knowledge of going about it. This book bridges that gap as it provides you with all the knowledge you need to help you automate common administrative jobs and tasks. By virtue that you are here, it is clear that you are eager to get started and you are probably wondering... What is Windows PowerShell and what exactly does it do? How do I install PowerShell on my

computer? Can Windows PowerShell be installed on other operating systems apart from Windows? What are the main PowerShell commands that I should know of? How do I get started with scripting using PowerShell? If you have these and other related questions about getting started with Windows PowerShell, keep reading, as this book has everything you need to get you started, even if you do not consider yourself tech-savvy. More precisely, you will find: What PowerShell is and how to install it on different operating systems Different PowerShell commands and what they do The core concepts of scripting using PowerShell How to use conditional statements and PowerShell loops How to combine scripting and commands And much more... Even if you are a complete beginner, this comprehensive guide is perfect for you as it will help you learn PowerShell fast. It is structured in a way that allows readers to understand the concepts using real-world situations as opposed to a textbook format. You'll be scripting like a pro in no time. Don't wait... Scroll up and click Buy Now With 1-Click or Buy Now to get started!

Windows PowerShell Cookbook - Lee Holmes 2013-01-15

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. *Windows PowerShell Cookbook* - Lee Holmes 2010-08-20 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.

Windows PowerShell 2 For Dummies - Steve Seguis 2009-08-10

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.

Windows PowerShell Cookbook - Lee Holmes 2012-12-22

How do you use Windows PowerShell to navigate the filesystem, manage files and folders, or retrieve a web page? This introduction to the PowerShell language and scripting environment provides more than 400 task-oriented recipes to help you solve all kinds of problems. Intermediate to advanced system administrators will find more than 100 tried-and-tested scripts they can copy and use immediately. Updated for PowerShell 3.0, this comprehensive cookbook includes hands-on recipes for common tasks and administrative jobs that you can apply whether you're on the client or server version of Windows. You also get quick references to technologies used in conjunction with PowerShell, including format specifiers and frequently referenced registry keys to selected .NET, COM, and WMI classes. Learn how to use PowerShell on Windows 8 and Windows Server 2012 Tour PowerShell's core features, including the command model, object-based pipeline, and ubiquitous scripting Master fundamentals such as the interactive shell, pipeline, and object concepts Perform common tasks that involve working with files, Internet-connected scripts, user interaction, and more Solve tasks in systems and enterprise management, such as working with Active Directory and the filesystem

Pro Windows PowerShell - Hristo Deshev 2008-02-25

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.

Windows PowerShell - Don Jones 2006

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)

Windows PowerShell Fast Start 2nd Edition - Smart Brain Training Solutions 2016-01-12

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.

Automating Microsoft Windows Server 2008 R2 with Windows PowerShell 2.0 - Matthew Hester 2011-05-04

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.

Professional Windows PowerShell - Andrew Watt 2007-07-17

MSH is a new command-line shell for Microsoft server products, including the long-awaited Longhorn server, and will eventually ship with all major Microsoft products, making it the must-know technology. MSH will replace current command lines in new Microsoft products and can be used to write shell scripts similar to those used with Unix and Linux. Discusses how MSH enables all of the .NET Framework objects to become accessible via scripting, making it a very powerful addition to any developer's or administrator's toolbox. Readers are guided through all the ins and outs of MSH and learn how to create powerful solutions; run scripts, programs, and commands; customize the MSH environment; handle data; manage files and disks; and script solutions and .NET objects.

Windows PowerShell for Developers - Douglas Finke 2012-07-06

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.

Windows PowerShell Pocket Reference - Lee Holmes 2012-12-10

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 *Mastering Windows PowerShell Scripting* - Chris Dent 2019-02-28 Grasp advanced PowerShell Core 6.0 functionalities to automate your environment. Key Features: Keep up with changes introduced in PowerShell Core 6.0. Easily maintain appropriate compatibility with older versions. Automate complex tasks, manipulate data, and secure your environment with PowerShell Core 6.0. Book Description: PowerShell scripts offer a handy way to automate various chores, however working effectively with these scripts can be a difficult task. This comprehensive guide starts with the fundamentals before moving on to advanced-level topics to help you become a PowerShell Core 6.0 expert. The first module, PowerShell Core 6.0 Fundamentals, begins with the new features of PowerShell Core 6.0, installing it on Linux, and working with parameters, objects and .NET classes from within PowerShell Core 6.0. As you make your way through the chapters, you'll see how to efficiently manage large amounts of data and interact with other services using PowerShell Core 6.0. You'll be able to make the most of PowerShell Core 6.0's powerful automation feature, where you will have different methods available to parse data and manipulate regular expressions and Windows Management Instrumentation (WMI). After having explored automation, you will enter the extending PowerShell Core 6.0 module, covering asynchronous processing and desired state configuration. In the last module, you will learn to extend PowerShell Core 6.0 using advanced scripts and filters, and also debug issues along with working on error handling techniques. By the end of this book, you will be an expert in scripting with PowerShell Core 6.0. What you will learn: Optimize code through the use of functions, switches, and looping structures. Work with objects and operators to test and manipulate data. Parse and manipulate different data types. Create scripts and functions using PowerShell. Use jobs, events, and popular public modules which assist with implementing multithreading. Write .NET classes with ease within the PowerShell. Create and implement regular expressions in PowerShell scripts. Make use of advanced techniques to define and restrict the behavior of parameters. 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 *Mastering Windows PowerShell Scripting* is for you. It is also ideal for those new to the PowerShell language.

Getting Started with PowerShell - Michael Shepard 2015-08-27

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.

[Microsoft Powershell 5: Learning the Basics](#) - Bill Stonehem 2016-07-06

The Windows Powershell is configuration management framework and job mechanization from Microsoft that consists of associated scripting language and a command line shell that is built on .NET Framework. Full access is gained to WMI and COM by using Powershell and this enables administrators to perform administrative tasks on both remote and local Windows systems as well as CIM enabling management and WS-Management of remote network devices and Linux systems.

Pro Windows PowerShell - Hristo Deshev 2008-04-06

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.

Windows Server 2019 & PowerShell All-in-One For Dummies - Sara Perrott 2019-04-30

Your one-stop reference for Windows Server 2019 and PowerShell know-how *Windows Server 2019 & PowerShell All-in-One For Dummies* offers a single reference to help you build and expand your knowledge of all things Windows Server, including the all-important PowerShell framework. Written by an information security pro and professor who trains aspiring system administrators, this book covers the broad range of topics a system administrator needs to know to run Windows Server 2019, including how to install, configure, and secure a system. This book includes coverage of: Installing & Setting Up Windows Server Configuring Windows Server 2019 Administering Windows Server 2019 Configuring Networking Managing Security Working with Windows PowerShell Installing and Administering Hyper-V Installing, Configuring, and Using Containers If you're a budding or experienced system administrator looking to build or expand your knowledge of Windows Server, this book has you covered.