
Windows Powershell User Guide

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PowerShell John Wiley & Sons
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 in Depth Packt Publishing Ltd

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 Best Practices Packt

Publishing Ltd

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

Professional Windows PowerShell Programming "O'Reilly Media, Inc."

Get this Fast Start guide to quickly learn Windows PowerShell fundamentals. 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. 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 Windows PowerShell 3.0 and Windows PowerShell 4.0.

Professional Windows PowerShell Packt Publishing Ltd

Would You Like To Learn Exactly How You Can Do Even More With PowerShell? - NOW INCLUDES FREE GIFTS! (see below for details) Have you had a taste of the basics of PowerShell that just whet your appetite? Do you want to advance to the next level with PowerShell? Do you want to learn how to get more useful results from PowerShell? Do you want to show your computer who is boss? If the answer to any of these questions is yes, this book will provide you with the answers you've been looking for! PowerShell is a fascinating system. It is not so difficult to operate once you know the basics but sometimes you just need a little helping hand. After all, there is so much to learn, it can be tough to know how to continue once you have mastered the basics. Fortunately, you can progress quite easily - this book is designed to help you master the next level of PowerShell. PowerShell is a very orderly system. The key to getting things right is in knowing how to speak the language. And PowerShell can be something of a grammar Nazi, especially when it comes to using the right punctuation. Leave off a single quotation mark and your program won't work as you want it to. PowerShell is a powerful tool but it can be open to malicious attack. You need to know how to protect your computer from scripts designed to cause mayhem and mischief. In this book we will look at: How to make sense of the results that you get and how to filter out the results that you are not

interested in. You will learn how to get your computer to do all the work for you so that you only get the results that you want. PowerShell can generate a lot of data, sometimes a lot more than what you actually need. We look at how you can multitask with PowerShell and how to run longer programs in the background, freeing your system up for other tasks. You will learn how to create jobs and what commands can be very useful when it comes to controlling them.

You will learn how to you can overcome a near-fatal flaw in PowerShell's security and how use it safely and securely. You'll learn how to protect your shell from malicious hackers. We will look at the Windows Management Instrumentation and introduce you to what it actually does. We will discuss whether or not you actually need to use it and what alternatives there are out there. We will get down to the nuts and bolts of how to use variables to get more of what you want from PowerShell. We also look at writing your own functions and making them into reusable tools. We look at creating your very own cmdlets and tailoring them to your needs.

We look at why your scripts aren't running as well as they should and how you can go about fixing them. We then go through how you can prevent errors from cropping up in the first place - this is as close to perfection as you are going to get with PowerShell. You also learn how to deal with errors that you cannot prevent, such as network errors and how to get PowerShell to do what you want despite these errors. We look at how you can start to customize

your PowerShell experience to suit you and how you can get more out of it. We also run through a quick cheat sheet of the different punctuation marks and how to use them. ...and much more!

Also included for a limited time only are 2 FREE GIFTS, including a full length, surprise FREE BOOK! Take the first step towards mastering PowerShell today. Click the buy now button above for instant access. Also included are 2 FREE GIFTS! - A sample from one of my other best-selling books, and a full length, FREE BOOK included with your purchase!

Windows PowerShell and Scripting for Beginners
Packt Publishing Ltd

Enhance your skills in expert module development, deployment, security, DevOps, and cloud Key Features A step-by-step guide to get you started with PowerShell Core 6.0 Harness the capabilities of PowerShell Core 6.0 to perform simple to complex administration tasks Learn core administrative concepts such as scripting, pipelines, and DSC Book Description Beginning with an overview of the different versions of PowerShell, Learn PowerShell Core 6.0 introduces you to VSCode and then dives into helping you understand the basic techniques in PowerShell scripting. You will cover advanced coding techniques, learn how to write reusable code as well as store and load data with PowerShell. This book will help you understand PowerShell security and Just Enough Administration, enabling you to create your own PowerShell repository. The last set of chapters will guide you in setting up,

configuring, and working with Release Pipelines in VSCode and VSTS, and help you understand PowerShell DSC. In addition to this, you will learn how to use PowerShell with Windows, Azure, Microsoft Online Services, SCCM, and SQL Server. The final chapter will provide you with some use cases and pro tips. By the end of this book, you will be able to create professional reusable code using security insight and knowledge of working with PowerShell Core 6.0 and its most important capabilities. What you will learn Get to grips with Powershell Core 6.0 Explore basic and advanced PowerShell scripting techniques Get to grips with Windows PowerShell Security Work with centralization and DevOps with PowerShell Implement PowerShell in your organization through real-life examples Learn to create GUIs and use DSC in production Who this book is for If you are a Windows administrator or a DevOps user who wants to leverage PowerShell to automate simple to complex tasks, then this book is for you. Whether you know nothing about PowerShell or just enough to get by, this guide will give you what you need to go to take your scripting to the next level. You'll also find this book useful if you're a PowerShell expert looking to expand your knowledge in areas such as PowerShell Security and DevOps.

Windows Powershell Pocket Reference
Createspace Independent Publishing Platform
Describes the concepts, components, and development techniques of Windows PowerShell to enable users to build software packages and

applications.

Getting Started with PowerShell "O'Reilly Media, Inc."

"The complete guide to scripting Microsoft's command shell"--Cover.

Windows PowerShell Fast Start: A Quick Start Guide for Windows PowerShell GitforGits

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.

PowerShell Createspace Independent Publishing Platform

Take control of your PowerShell skills and start learning today! Say goodbye to complicated IT tasks and embrace efficient system administration with "PowerShell SysAdmin Crash Course." With hands-on experience and over 50 examples and demonstrations, you will build a strong understanding of PowerShell and gain confidence in its application. "PowerShell SysAdmin Crash Course" is the ultimate guide for system administrators and PowerShell users. This comprehensive resource teaches you everything to know about PowerShell, from the console and cmdlets to scripting, modules, and more. You will learn essential topics like Active Directory Management, Windows Server, PowerShell Remoting, DSC, SCCM, and administering software updates. In addition, you will discover advanced techniques such as working with JSON and XML data, parallel processing, multithreading, and creating custom cmdlets and modules. You

get to learn how to integrate PowerShell with automation and configuration management tools like Ansible, Puppet, and Chef, and how to use CI/CD tools like Jenkins. The book also covers integrating PowerShell with Bash and Python scripting and utilizing PowerShell Universal for running automation scripts through a single platform. Key Learnings Learn everything about PowerShell, from console to cmdlets to scripting and modules. Manage Active Directory, PowerShell Remoting, DSC, SCCM, and software updates. Discover advanced techniques like JSON and XML data, parallel processing, and multithreading. Create custom cmdlets and modules for automation and configuration management. Integrate PowerShell with Ansible, Puppet, Chef, Jenkins, Bash, and Python scripting. Use PowerShell Universal to run automation scripts through a single platform. Table of Content Beginning with PowerShell PowerShell Basics Cmdlets, Aliases, and Functions Up and Running with Scripting Basics Working with PowerShell Modules PowerShell Scripting Windows Management with PowerShell Active Directory Management PowerShell

Remoting PowerShell Desired State Configuration (DSC) PowerShell and System Center Configuration Manager (SCCM) PowerShell Security and Best Practices Advanced PowerShell Techniques PowerShell and Automation Frameworks Extending PowerShell and Interoperability Working with PowerShell Universal Audience This book is ideal for you if you want to build a strong understanding of PowerShell and its application, from the basics to advanced techniques. It is also suitable for you if you want to integrate PowerShell with automation and configuration management tools and other scripting languages.

Windows PowerShell Pocket Reference
"O'Reilly Media, Inc."

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

[Windows PowerShell Pocket Reference](#)
O'Reilly Media

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

Windows PowerShell 3.0 First Steps
Pearson Education

This portable reference to Windows PowerShell summarizes both the command shell and scripting language, and provides a concise reference to the major tasks that make PowerShell so successful. It's an ideal on-the-job tool for Windows administrators who don't have time to plow through huge books or search online. Written by Microsoft PowerShell team member Lee Holmes, and excerpted from his *Windows PowerShell Cookbook*, *Windows PowerShell Pocket Reference* offers up-to-

date coverage of PowerShell's 1.0 release. You'll find information on .NET classes and legacy management tools that you need to manage your system, along with chapters on how to write scripts, manage errors, format output, and much more. Beginning with a whirlwind tour of Windows PowerShell, this convenient guide covers: PowerShell language and environment Regular expression reference PowerShell automatic variables Standard PowerShell verbs Selected .NET classes and their uses WMI reference Selected COM objects and their uses .NET string formatting .NET datetime formatting An authoritative source of information about PowerShell since its earliest betas, Lee Holmes' vast experience lets him incorporate both the "how" and the "why" into the book's discussions. His relationship with the PowerShell and administration community -- through newsgroups, mailing lists, and his informative blog Lee Holmes -- gives him insight into problems faced by administrators and PowerShell users alike. If you're ready to learn this powerful tool without having to break stride in your routine, this is the book you want.

Windows PowerShell Cookbook John Wiley & Sons

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.

PowerShell for Office 365 Createspace Independent Publishing Platform

Learn to use PowerShell, Microsoft's scripting language, to automate real-world tasks that IT professionals and system administrators deal with every day. Save Time. Automate. PowerShell® is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of IT. In PowerShell for Sysadmins, five-time Microsoft® MVP "Adam the Automator" Bertram shows you how to use PowerShell to manage and automate your desktop and server environments so that you can head out for an early lunch. You'll learn how to: Combine commands, control flow, handle errors, write scripts, run scripts remotely, and test scripts with the PowerShell testing framework, Pester Parse structured data like XML and JSON, work with common domains (like Active Directory, Azure, and Amazon Web Services),

and create a real-world server inventory script Design and build a PowerShell module to demonstrate PowerShell isn't just about ad-hoc scripts Use PowerShell to create a hands-off, completely automated Windows deployment Build an entire Active Directory forest from nothing but a Hyper-V host and a few ISO files Create endless Web and SQL servers with just a few lines of code! Real-world examples throughout help bridge the gap between theory and actual system, and the author's anecdotes keep things lively. Stop with the expensive software and fancy consultants. Learn how to manage your own environment with PowerShell for Sysadmins and make everyone happy. Covers Windows PowerShell v5.1 Windows PowerShell Step by Step Packt Publishing Ltd 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 in Action Packt Publishing Ltd Summary Discover how scripting is different from command-line PowerShell, as you explore concrete hands-on examples in this handy guide. The book includes and expands on many of the techniques presented in Learn PowerShell Toolmaking in a Month of Lunches. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Automate it! With Microsoft's PowerShell language, you can write scripts to control nearly every aspect of Windows. Just master a few straightforward scripting skills, and you'll be able to eliminate repetitive manual tasks, create custom reusable tools, and build effective pipelines and workflows. Once you start scripting in PowerShell, you'll be amazed at how many opportunities you'll find to save time and effort. About the Book Learn PowerShell Scripting in a Month of Lunches teaches you how to expand your command-line

PowerShell skills into effective scripts and tools. In 27 bite-size lessons, you'll discover instantly useful techniques for writing efficient code, finding and squashing bugs, organizing your scripts into libraries, and much more. Advanced scripters will even learn to access the .NET Framework, store data long term, and create nice user interfaces. What's Inside

Designing functions and scripts Effective pipeline usage Dealing with errors and bugs Professional-grade scripting practices About the Reader Written for devs and IT pros comfortable with PowerShell and Windows. About the Authors Don Jones is a PowerShell MVP, speaker, and trainer who has written dozens of books on information technology topics. Jeffery Hicks is a PowerShell MVP and an independent consultant, trainer, and author. Don and Jeff coauthored Manning's Learn Windows PowerShell in a Month of Lunches, Learn PowerShell Toolmaking in a Month of Lunches, and PowerShell in Depth. Table of Contents PART 1 - INTRODUCTION TO SCRIPTING Before you begin Setting up your scripting environment WWPDP: what would PowerShell do? Review: parameter binding and the PowerShell pipeline Scripting language crash course The many forms of scripting (and which to use) Scripts and security PART 2 - BUILDING A POWERSHELL SCRIPT

Always design first Avoiding bugs: start with a command Building a basic function and script module Going advanced with your function Objects: the best kind of output Using all the pipelines Simple help: making a comment Dealing with errors Filling out a manifest PART 3 - GROWN-UP SCRIPTING Changing your brain when it comes to scripting Professional-grade scripting An introduction to source control with git Pestering your script Signing your script Publishing your script PART 4 - ADVANCED TECHNIQUES Squashing bugs Making script output prettier Wrapping up the .NET Framework Storing data not in Excel! Never the end

Windows PowerShell Step by Step "O'Reilly Media, Inc." Presents some of the new capabilities that Monad puts into the hands of system administrators and power users, and is the perfect complement to existing Monad documentation.

PowerShell Cookbook Simon and Schuster 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

Windows Powershell for Developers Simon and Schuster 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