

Windows Powershell Programming For The Absolute Beginner 3rd

A guide to using Windows PowerShell to script Windows administrative tasks and control Windows from the command line. If you are a system administrator who wants to become an expert in controlling and automating your Windows environment, then this book is for you. Prior knowledge of PowerShell's core elements and applications is required for this book.

Microsoft Windows PowerShell Programming for the Absolute Beginner Cengage Learning Ptr

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.

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 Pester 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

Providing you with the programmer's approach to understanding Windows PowerShell, this book introduces the concepts, components, and development techniques for building software packages that leverage the power of PowerShell. The author team of PowerShell experts shows you how PowerShell makes writing code easy by providing a runtime engine with its own parser, plus you'll discover that with PowerShell, all of the .NET Framework objects become accessible via scripting, making PowerShell a very powerful addition to your toolbox and a popular choice for future development.

Microsoft has finally answered the prayers of system administrators and developers everywhere through the introduction of Windows PowerShell, a new scripting technology that enables the automation of system management tasks and the creation of system management tools. PowerShell runs on Windows XP, 2003, and Vista. Exchange Server 2007 and System Center Operations Manager 2007 will be built on Windows PowerShell. Unlike traditional Windows shell scripting, PowerShell scripting is object based and is designed to work with the .NET framework. Microsoft Windows PowerShell Programming for the Absolute Beginner teaches readers how to program using Microsoft's new PowerShell scripting language through the creation of computer games. No prior knowledge of programming in any language is required. Topics covered include the Windows PowerShell Command Line, object based scripting with .NET, writing PowerShell Scripts, working with variables, arrays and hashes, implementing conditional logic, using loops to process data, organizing scripts using functions, basic system administration, and much more.

This is today's definitive hands-on guide to automating Windows setup, deployment, and management with Windows PowerShell. Microsoft senior consultant Ed Wilson ("The Scripting Guy") fully illuminates every key PowerShell technique -- especially the major improvements and new cmdlets introduced with PowerShell 5.0. Wilson's positive and humorous approach has made him one of the world's most popular PowerShell instructors. His practical examples and insights will help you maximize productivity and quality in all your IT operations, and integrate automated workflows throughout any traditional or cloud environment. Windows PowerShell Step by Step, Third Edition offers more labs and structured learning exercises than any other PowerShell 5.0 tutorial. Wilson guides you step-by-step through building every script he demonstrates. He reinforces key concepts with step-by-step exercises, including "One Step Further" exercises that deepen your understanding, so you can solve your unique problems. All examples and starter files are downloadable at the TechNet Script Center Script Repository. Coverage includes: Basic PowerShell concepts and cmdlets Key providers: Alias, Certificate, Environment, File System, Function, Registry, Variable, and WSMAN Remoting, jobs, scripts, functions, and modules Windows PowerShell ISE and snippets Creating, organizing, and running PowerShell profiles WMI: objects, namespaces, providers, classes, and queries Remoting WMI and calling WMI methods via CIM Automating Active Directory and AD Domain Services Debugging scripts and handling errors Defining complex workflows Using Desired State Configuration (DSC) to quickly enforce or restore configuration settings Finding and using the PowerShell Gallery's powerful new resources Each chapter concludes with a convenient quick reference, and Wilson presents detailed appendices on coding conventions and regular expressions. If you're upgrading from any earlier version of PowerShell, a new "Start Here" section identifies the most valuable PowerShell features you haven't already learned, so you can focus your efforts where they'll make you most productive.

Welcome to Sams Teach Yourself Windows PowerShell in 24 Hours uCertify Course and Labs Sams Teach Yourself Windows PowerShell in 24 Hours uCertify Course and Labs is an easy-to-use online course that teaches you the fundamentals of PowerShell programming. Topics

covered include installation and configuration, commands and scripts, the pipeline, objects, providers, drives, remoting, customization, jobs, and much more. The interactive eBook includes informative text and related video instruction, tables, step-by-step lists, images, interactive exercises, and review activities. The course comes complete with extensive pre- and post-assessment tests as well as two practice exams. In total there are 360 practice questions. The award-winning uCertify Labs help bridge the gap between conceptual knowledge and real-world application by providing competency-based, interactive, online, 24x7 training. uCertify Labs simulate real-world hardware, software applications and operating systems, and command-line interfaces. The 70+ labs are supplemented with videos demonstrating lab solutions. Students can feel safe working in this virtual environment resolving real-world operating system and hardware problems.

As the author of three books on Windows scripting and as a consultant for Microsoft, I am in constant contact with people who have been using VBScript to manage their environments. I am often asked, "Is there an easier way to do this?" Until now, the answer has been, "Unfortunately, no." That has all changed! With the release of Microsoft Exchange Server 2007, there is a new scripting language on the market—Windows PowerShell. This book seeks to unravel the mysteries of and misconceptions about this powerful and elegant scripting language. Windows PowerShell was released with Microsoft Exchange Server 2007. It is also a release to the Web product and can be downloaded and installed on Windows Server 2019 SP3, Windows XP SP2, and Windows 10. Many Microsoft customers currently running those versions of the operating system will consider installing Windows PowerShell because of its ease of use. The Microsoft Exchange Server 2019 administrator tools are built on Windows PowerShell, so Exchange administrators will be among the first to explore and use PowerShell, but other network administrators can certainly also benefit from PowerShell. Accessing Security objects, working with the registry, and leveraging the power of the .NET Framework all have been either difficult or impossible to do from a VBScript. Windows PowerShell makes these tasks much simpler. Microsoft Windows PowerShell Step by Step equips readers with the tools to automate setup, deployment, and management of Windows machines. In addition, it provides readers with an understanding of commandlets (or, in this guide, cmdlets). This should lead readers into an awareness of the basics of programming through modeling of fundamental techniques. The approach I take to teaching readers how to use Windows PowerShell to automate their Windows servers and workstations is similar to the approach I used in my previous three VBScript books. The reader will learn by using the language. In addition, concepts are presented—not in a dry, academic fashion, but in a dynamic and living manner. When a concept is needed to accomplish something, then it is presented. If a topic is not useful for automating network management, then it is not brought forward.

"In computer science, a shell is a user interface that gives you access to various services of an operating system. A shell can be command-line based or it can include a graphical user interface (GUI). Windows PowerShell is a shell developed by Microsoft for purposes of task automation and configuration management. This powerful shell is based on the .NET framework and it includes a command-line shell and scripting language. On top of the standard command-line shell, you can also find the Windows PowerShell ISE. ISE stands for Integrated Scripting Environment, and it is a graphical user interface that allows you to easily create different scripts without having to type all the commands in the command line. To give you an idea of how powerful PowerShell really is, it should be enough to keep in mind that it has been used across the entire Microsoft ecosystem ever since Windows NT 4.0 for all types of operations."--Back cover.

PowerShell is a framework that is used for task automation and configuration management. This mainly works via a command-line sheet and a scripted language. It was initially called Windows PowerShell and it was an open source and a cross-platform in August 2016 and was introduction of the PowerShell Core. These items were built on the .NET Framework and .NET Core. The use of the framework is to enable administrators to carry out administrative tasks either on the local or Windows systems. It will also provide a hosting API with the runtime area that can be placed in other applications. These can then leverage the functionality that carry out certain operations that will include those that are seen in the graphical interface. This Book will look at the different features of this framework and explain how it works to the reader.

Summary Windows PowerShell in Action, Third Edition is the definitive guide to PowerShell, now revised to cover PowerShell 6. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology In 2006, Windows PowerShell reinvented the way administrators and developers interact with Windows. Today, PowerShell is required knowledge for Windows admins and devs. This powerful, dynamic language provides command-line control of the Windows OS and most Windows servers, such as Exchange and SCCM. And because it's a first-class .NET language, you can build amazing shell scripts and tools without reaching for VB or C#.

About the Book Windows PowerShell in Action, Third Edition is the definitive guide to PowerShell, now revised to cover PowerShell 6. Written by language designer Bruce Payette and MVP Richard Siddaway, this rich book offers a crystal-clear introduction to the language along with its essential everyday use cases. Beyond the basics, you'll find detailed examples on deep topics like performance, module architecture, and parallel execution. What's Inside The best end-to-end coverage of PowerShell available Updated with coverage of PowerShell v6 PowerShell workflows PowerShell classes Writing modules and scripts Desired State Configuration Programming APIs and pipelines About the Reader Written for intermediate-level developers and administrators. About the Authors Bruce Payette is co-designer and principal author of the PowerShell language. Richard Siddaway is a longtime PowerShell MVP, author, speaker, and blogger. Table of Contents Welcome to PowerShell Working with types Operators and expressions Advanced operators and variables Flow control in scripts PowerShell functions Advanced functions and scripts Using and authoring modules Module manifests and metadata Metaprogramming with scriptblocks and dynamic code PowerShell remoting PowerShell workflows PowerShell Jobs Errors and exceptions Debugging Working with providers, files, and CIM Working with .NET and events Desired State Configuration Classes in PowerShell The PowerShell and runspace APIs Appendix - PowerShell 6.0 for Windows, Linux, and MacOS

Market_Desc: · .Net developers· Application developers Special Features: · Written by a Microsoft Windows PowerShell development team member and 10 year Microsoft veteran· PowerShell will eventually ship with all major Microsoft products, making it a must-know technology· PowerShell is now available for Windows XP, is included in Windows Vista, and Exchange Server 2007 is built entirely on PowerShell·

Programmers will want to use PowerShell in their own applications as the shift to Windows Vista and Longhorn takes place· Wrox Professional Series is a favorite of professional programmers About The Book: In Wrox's Professional PowerShell Programming, readers are treated to a guided tour of PowerShell from a programmer's perspective as Microsoft PowerShell development team member Arul Kumaravel skillfully guides readers through all the ins and outs of the PowerShell SDK, and shows them how to create extensions to PowerShell and integrate PowerShell capabilities into their own applications.

MICROSOFT WINDOWS POWERSHELL PROGRAMMING FOR THE ABSOLUTE BEGINNER, THIRD EDITION will teach you how to program using Microsoft PowerShell's scripting language—through the creation of computer games! Microsoft Windows™ PowerShell is a helpful scripting technology that enables the automation of system management tasks and the creation of system management tools. Learning Windows PowerShell by developing computer games is a fun, interesting, and easy way to learn—and you will develop a new game that reinforces a newly learned concept in each chapter. No prior experience or programming knowledge is required. Topics covered include the Windows PowerShell Command Line, object-based scripting with .NET, writing PowerShell scripts, and much, much more. By the time you have finished the book, not only will you have access to a collection of working sample scripts, you also will have laid a foundation upon which you can begin to tackle real-world challenges and new languages.

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

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.

Summary Learn Windows PowerShell in a Month of Lunches, Third Edition is an innovative tutorial designed for busy IT professionals. This updated edition covers PowerShell features that run on Windows 7, Windows Server 2008 R2 and later, PowerShell v3 and later, and includes v5 features like PowerShellGet. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology PowerShell is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of Windows. It accepts and executes commands interactively and you can write scripts to manage most Windows servers like Exchange, IIS, and SharePoint, as well as online services like Azure and Office 365. About the Book Learn Windows PowerShell in a Month of Lunches, Third Edition is an innovative tutorial designed for busy IT professionals. Just set aside one hour a day - lunchtime would be perfect - for a month, and you'll be automating Windows tasks faster than you ever thought possible. This updated edition covers PowerShell features that run on Windows 7, Windows Server 2008 R2 and later, PowerShell v3 and later, and includes v5 features like PowerShellGet. What's Inside Learn PowerShell from the beginning, no experience required! Covers PowerShell v3 and up, Windows 7, and Windows Server 2008 R2 and later Each lesson takes you an hour or less About the Reader Experience with Windows administration is helpful. No programming or scripting experience needed. About the Author Veteran PowerShell MVPs Don Jones and Jeffery Hicks bring years as successful trainers to this concise, easy-to-follow book. Table of Contents Before you begin Meet PowerShell Using the help system Running commands Working with providers The pipeline: connecting commands Adding commands Objects: data by another name The pipeline, deeper Formatting - and why it's done on the right Filtering and comparisons A practical interlude Remote control: one-to-one, and one-to-many Using Windows Management Instrumentation and CIM Multitasking with background jobs Working with many objects, one at a time Security alert! Variables: a place to store your stuff Input and output Sessions: remote control with less work You call this scripting? Improving your parameterized script Advanced remoting configuration Using regular expressions to parse text files Additional random tips, tricks, and techniques Using someone else's script Never the end PowerShell cheat sheet

Learning doesn't have to be boring. MICROSOFT WINDOWS POWERSHELL PROGRAMMING FOR THE ABSOLUTE BEGINNER, THIRD EDITION, keeps things fun and interesting by teaching you how to program through the development of computer games. In these pages, you'll discover everything you need to know to begin developing your own scripts. You'll develop a new game that reinforces a newly learned concept in each chapter. No prior experience or programming knowledge is required. Topics covered include the basic steps involved in interacting with the PowerShell command prompt and in creating and executing PowerShell scripts, object-based scripting and PowerShell's relationship with the .NET Framework, the way to implement conditional logic and set up loops to automate repetitive tasks and process large collections of data, how to improve the overall organization of your PowerShell scripts using functions, and advanced topics such as tracking down and debugging errors and using PowerShell to interact with Windows Management Instrumentation. The third edition of this book is a PowerShell scripting primer for either PowerShell 3.0 or PowerShell 4.0. Regardless of which version of PowerShell you are working with, this unique book has you covered. After reading MICROSOFT WINDOWS POWERSHELL FOR THE ABSOLUTE BEGINNER, THIRD EDITION, not only will you have access to a collection of working sample scripts, you will have laid a foundation that allows you to move on and begin to tackle real-world challenges.

Good!! If you're reading this now, it's not a Coincidence. You're interested in Learning about Powershell and How to use it!!The key advancement of various Technology across the world has been nothing but and a step forward in computer language. In this book, we are going to be taking a tour of the new and improved version of PowerShell programming language (6.0) while discovering it's Features and Functions. The volatile yet seamless characters of the PowerShell 6.0 have similar functions to previous versions but is a little more improved than it's predecessor.This Guide has all the information and details you need on PowerShell and many other characters to convey actions on your computer system. Below are some of the things we would be looking into in this book: Introduction to PowerShell Scripting Hosting Remoting Formatting Functions Characters And many more... This book will Guide you as a beginner to learn the basics of PowerShellSo what are you waiting for? Scroll up and click the orange "BUY NOW" button on the top right corner and download Now!!! You won't regret you did See you inside!!!

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 and Powershell Command Line 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 Necessary This 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? Download "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!

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.

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.

Efficiently administer and maintain your development environment with Windows PowerShell About This Book Explore scripting and automation techniques with Windows PowerShell Gain concrete knowledge of Windows PowerShell scripting to perform professional level scripting Discover the benefits of the Configuration Management Platform with this step-by-step guide that includes real-world scripting examples Who This Book Is For If you are an IT professional or developer who has worked on the .Net platform and you want to learn automation using Windows PowerShell, then this book is for you. This self-start guide takes you from the basics and gradually moves to an intermediate level to show you how to perform professional scripting. What You Will Learn Understand the concepts of building PowerShell scripts and the basics of programming Manage the LYNC, Exchange, and SharePoint platforms Create a Pull server using a SMB file share and HTTP and HTTPS Use .NET classes in Windows PowerShell and C# to manage Exchange Online Use PowerShell in C# to manage Exchange Online and work with .NET classes in PowerShell Automate LYNC clients, consuming Client Server Object Models to administrate SharePoint Online In Detail Windows PowerShell 5.0 for .NET Developers is your self-start guide to performing automation using Windows PowerShell. This book will help you to understand the PowerShell syntax and grammar and will also teach you techniques to remove the rough edges of manual deployments. Packed with PowerShell scripts and sample C# codes to automate tasks, it also includes real-world scenarios such as administrating office servers to help you save time and perform deployments swiftly and efficiently. The book begins with the Windows PowerShell basics, explores the significant features of Windows Management Framework 5.0, covers the basic concepts of Desired State Configuration and the importance of idempotent deployments. By the end of the book, you will have a good understanding of Windows PowerShell's features and will be able to automate your tasks and manage configuration effectively. Style and approach This is an easy-to-follow step-by-step guide with text-enabled screenshots. Each topic is explained with codes and examples. It also includes multiple approaches for a number of tasks to let you choose the best one for you depending on your scenario.

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

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

Microsoft® Windows™ PowerShell is a helpful scripting technology that enables the automation of system management tasks and the creation of system management tools. PowerShell runs on Windows XP, 2003, 2008, and Vista. Unlike traditional Windows shell scripting, PowerShell scripting is object-based and is designed to work with the .NET Framework. This completely updated edition of Microsoft Windows PowerShell Programming for the Absolute Beginner teaches aspiring programmers Windows PowerShell scripting whether they're using Windows PowerShell 1.0 or 2.0. To help make learning fun and interesting, you will learn how to program through the development of computer games, and you will develop a new game that reinforces a newly learned concept in each chapter. It's the easiest way to learn! By the time you have finished the book, not only will you have access to a collection of working sample scripts, you also will

have laid a foundation upon which you can begin to tackle real-world challenges and new languages.

In just 24 lessons of one hour or less, Sams Teach Yourself Windows PowerShell in 24 Hours helps you streamline all facets of Windows administration, supercharging your effectiveness as an IT professional or power user. This book's straightforward, step-by-step approach shows you how to build and run scripts, extend Windows PowerShell reach, manage computers remotely, and automate a wide variety of tasks on any modern Windows server or client. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success! Step-by-step instructions carefully walk you through the most common PowerShell scripting tasks. Practical, hands-on examples show you how to apply what you learn. Quizzes and exercises help you test your knowledge and stretch your skills. Notes, tips, and cautions point out shortcuts, pitfalls, and solutions. Learn how to... Install, configure, and explore Windows PowerShell (including updates for PowerShell 5) Leverage .NET's remarkable power and scope with easy-to-use cmdlets Build new scripts with the console, ISE visual tools, and other popular hosts Apply best practices for writing more reliable, flexible, team-friendly scripts Work effectively with the pipeline, objects, and data Extend Windows PowerShell reach via providers, drives, and output Run external tools like ping, ipconfig, and tracert from within PowerShell Remotely manage computers with basic and advanced remoting (WinRM), WMI, and Regex Configure Windows devices across the web with PSWA Sort, filter, measure, format, export, and convert script output Run Windows PowerShell flexibly, using background and scheduled jobs Customize your environment with profile scripts, alternate credentials, thirdparty tools, and packages Strengthen your control over Windows systems and services with Desired State Configuration Administer key tasks on SQL Server, SharePoint, and other Windows servers Master PowerShell skills needed to earn many Microsoft certifications

This book covers the topic of Windows PowerShell and will teach you all about how to use it and all of its possibilities. Essentially, the PowerShell is a command line interface that operates within the Windows system, with the purpose of task automation and configuration management. It is a fairly intuitive system, and as you will soon realize, it doesn't take too long to get the hang of! Inside, you will learn how the PowerShell operates, how the associated scripting language works, the different commands you will need to know, and what kind of things are possible when using the PowerShell. Even if you're totally new to programming and have never used a scripting environment, at the completion of this book you should have a solid understanding of Windows PowerShell, and be ready to get started! Here Is What You'll Learn About Inside... What Is Powershell Powershell Language Working With Commands Pipelines & Outputs Quotes & Strings Scalers The Drives & Providers The Operations Of Powershell Much, Much More!

Easy to follow guide to learn the basics of Powershell - no previous experience required! This book, "PowerShell: The Quickstart Beginners Guide" will teach you everything that you need to know in order to get started programming with Microsoft Windows PowerShell. If you take the time to learn and practice what you learn within this book, you will find yourself programming with PowerShell in no time! This guide gives you instructions so you can start applying yourself and learning how to use PowerShell right from the start. All terms are broken down throughout the book so you won't be overwhelmed with any technical jargon. This book contains detailed knowledge and applicable steps on: * Getting PowerShell Up and Running * Scripts * Useful Tools to Help You Along The Way * How To Set PS Up For Automation * How To Remote Work with Windows PowerShell * Objects in PowerShell * Formatting * How To Customise Your PowerShell Profile Settings * What Are Variables * How To Get Rid of Unwanted Apps * How To Install PowerShell on Alternate OS * How To Change Your IP Address * How To Automatically Write Scripts * How To Rename a Bunch of Files at the Same Time * How To Kill a Process with PowerShell * How To Run Bash Within PowerShell * PowerShell and PowerGUI * Tools for IT Professionals * Advanced PowerShell Remoting * PowerShell Mistakes (That Everyone Makes) * Bash Scripts * Changing Your IP Address on Wired Connections If you're looking for the easiest way to teach yourself PowerShell then this book will be your best friend. Buy it on Amazon Prime now and start learning from tomorrow! Tags: PowerShell, PowerShell Scripting, PowerShell For Beginners, Learn PowerShell, Windows PowerShell For Beginners, Computer Programming, Windows PowerShell, Microsoft Windows PowerShell, System Programming Market_Desc: The typical user of PowerShell is an IT pro. It will be useful, though not required, for the readers to be familiar with other scripting languages. Knowledge of programming languages such as C, C# or C++ is not required. Those who want to venture into advanced PowerShell scripting will need to know about .NET library functions and classes in order to access .NET functionality directly from PowerShell scripts. Special Features: - One of the first titles on this revolutionary change in the Microsoft command line- PowerShell will eventually ship with all major Microsoft products, making it a must-know technology- Completely replaces current command lines in new Microsoft products- Even users of the current command line will need to know PowerShell, as the current command line will be phased out- Wrox Professional Series is a favorite of professional programmers About The Book: In Wrox's Professional PowerShell, readers are treated to a guided tour of the technology. MVP Andrew Watt skillfully guides readers through all the ins and outs of this new technology, and shows them how to create powerful solutions. Coverage includes: - Running scripts programs and commands- Input and output- Customizing the PowerShell environment- Handling data- Managing files and disks- Scripting solutions- Scripting .NET objects

PowerShell provides a single, unified administrative command line from which to control and automate virtually every aspect of a Windows system. It accepts and executes commands immediately, and scripts can be written to manage most Windows servers like Exchange, IIS, and SharePoint. This updated book covers PowerShell features that run on Windows 7, Windows Server 2008 R2, and later. This edition is appropriate for PowerShell version 3 and later. There is coverage for new PowerShell version 5 features like PowerShellGet, however PowerShell fundamentals are unchanged. Learn Windows PowerShell in a Month of Lunches, Third Edition is an innovative tutorial designed for busy IT professionals. With just one hour a day for a month, readers will be automating Windows tasks faster than they ever

thought possible. They start with the basics (What is PowerShell and what can be done with it). Then, it moves systematically through the techniques and features that facilitate efficient and effective results. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

A concise introduction to the most common commands and scenarios in Microsoft's power new scripting language and command line shell.

The definitive guide to automating SQL Server administration with Powershell scripts If you're a SQL Server database administrator, this book will make your life easier. Windows PowerShell is an administrative scripting tool that allows you to automate many tasks you're probably currently doing by hand. This nuts-and-bolts guide shows you how to create Windows PowerShell scripts to administer almost every aspect of SQL Server. You'll get a thorough introduction to PowerShell basics and all the PowerShell components that have been integrated into SQL Server 2008, as well as actual administration tasks. The book provides complete scripts that have been tested and proven, saving you hours of effort. The new release of Microsoft SQL Server 2008 now includes Windows PowerShell, allowing administrators of large-scale enterprise databases to automate many tasks SQL Server 2008 Administration with Windows PowerShell introduces you to PowerShell, covering its components in detail as well as providing basic instruction in using scripts to administer the database The book includes numerous examples of SQL tasks that have been automated and also provides completed scripts that you can put to use immediately The Companion Web site includes complete code scripts If you're a database administrator, the scripts and techniques in SQL Server 2008 Administration with Windows PowerShell will save you hours of effort.

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.

650 pages, 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

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