

## **Powershell Become A Master In Powershell**

Hands-On Microsoft TeamsPowerShell: Automating Administrative TasksWindows Server 2016 Automation with PowerShell CookbookPowerShell 3.0 Advanced Administration HandbookTroubleshooting SharePointActive Directory with PowerShellWindows PowerShell 2 For DummiesThe Windows Command Line Beginner's Guide - Second EditionLearn PowerShell Toolmaking in a Month of LunchesWindows PowerShell in ActionMastering Windows PowerShell ScriptingProfessional Windows PowerShell ProgrammingMastering Active DirectoryPowershell ScriptingWindows PowerShell Pocket ReferenceMastering Windows PowerShell ScriptingPowerShellBeginning PowerShell for SharePoint 2016Pro PowerShell for Database DevelopersWindows PowerShell UnleashedThe PowerShell Scripting and Toolmaking BookProfessional Windows PowerShellMastering Windows PowerShell ScriptingWindows Server 2019 Automation with PowerShell CookbookShell of an IdeaPowershellMastering Windows Server 2016Mastering PowerCLIWindows PowerShell 5 in 24 Hours, Sams Teach YourselfData AnalyticsLearn Windows PowerShell 3 in a Month of LunchesPowerShell for SysadminsBeginning PowerShell for SharePoint 2013Mastering Microsoft Azure Infrastructure ServicesBe the MasterWindows PowerShell CookbookPowershellPowerShell for BeginnersWindows PowerShell 3.0 Step by StepWindows PowerShell

### **Hands-On Microsoft Teams**

This book is a collection of selected real-world scenarios, detailed solutions, and screenshots.If you are a system administrator who wants to automate repeated daily tasks and perform complex administration requirements in a timely manner with less effort, then this is the book for you.In order to get the maximum benefit of this book you need to have some basic scripting knowledge and good administration experience.

### **PowerShell: Automating Administrative Tasks**

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 Server 2016 Automation with PowerShell Cookbook**

Utilize a treasure trove of free SharePoint troubleshooting tools and receive insightful guidance about the types of SharePoint issues that can be discovered through their use. Chapters in this book contrast solid and least privileged builds in order to help you understand the types of issues that are raised when farms are not built the least privileged way. Because SharePoint errors often present themselves one way, when an issue is actually something entirely different, the process of finding the root cause can feel like going down a rabbit hole. Hands-on exercises get you comfortable with logs so you can efficiently and effectively “explore the rabbit hole.” Troubleshooting SharePoint also demonstrates how to identify components and settings that enter an environment where access has been restricted. The author shares his proven methods for researching an issue based on what appears in the logs, with the understanding that often it is not as simple as asking a question, but how you ask it that leads to the right answer. What You’ll Learn Utilize networking tools such as NetMon, WireShark, and Fiddler for troubleshooting Master SharePoint PAL, Webalizer, Indihaing, Developer Dashboard, the Feature Admin tool, and more Become proficient using Timer Jobs and Search Diagnostics Understand how various files are accessed by IIS sites and within the server file system Discover how IIS mappings and file permissions affect issues Troubleshoot with ULS Viewer, PowerShell, and tools such as ProcMon, PerfMon, and Event Viewer Meet your new best friend, the ULS Viewer Use Event Viewer as a troubleshooting source Become conversant in the “language” of SharePoint from the log’s perspective Who This Book Is For SharePoint administrators and developers who want to learn how to quickly diagnose and resolve issues in any SharePoint server in SharePoint farms where admin access is possible

### **PowerShell 3.0 Advanced Administration Handbook**

PowerShell For Beginners! The Ultimate Beginners Crash Course To Mastering The PowerShell Command Line Quickly And Easily Are You Ready To Learn How To Write Clean, Efficient PowerShell Scripts? If So You've Come To The Right Place - Regardless Of How Little Experience You May Have! Learning to program is a fantastic still, and if you're a newbie you've ended up in the right place! PowerShell is a fantastic first or second programming language to learn (and master with the help of this book!). There's a ton of other technical guides out there that aren't clear and concise, and in my opinion use far too much jargon. My job is to teach you in simple, easy to follow terms how to get started and excel at PowerShell

programming. You'll find my personal notes and tips peppered throughout the book, making it personal and easy to learn. Here's A Preview Of What PowerShell For Beginners! Contains A Step Back Into The History Of PowerShell Setting Up The PowerShell Playground! Getting Ready To Run Customizing The Shell & Online Resources PowerShell Versions And Consoles Explained Discovering Commands, Parameters & Strings Essential PowerShell Terminology Working With PowerShell Commands The Piping Function Explained! And Much, Much More!

### **Troubleshooting SharePoint**

The Windows Command Line Beginner's Guide gives users new to the Windows command line an overview of the Command Prompt, from simple tasks to network configuration. In the Guide, you'll learn how to: -Manage the Command Prompt. -Copy & paste from the Windows Command Prompt. -Create batch files. -Remotely manage Windows machines from the command line. -Manage disks, partitions, and volumes. -Set an IP address and configure other network settings. -Set and manage NTFS and file sharing permissions. -Customize and modify the Command Prompt. -Create and manage file shares. -Copy, move, and delete files and directories from the command line. -Manage PDF files and office documents from the command line. -And many other topics.

### **Active Directory with PowerShell**

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 2 For Dummies**

Presents a guide on how to use Windows PowerShell to build administrative tools.

### **The Windows Command Line Beginner's Guide - Second Edition**

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.

### **Learn PowerShell Toolmaking in a Month of Lunches**

Go beyond the PowerShell command line and become a Toolmaker! Learn the techniques, patterns, and practices that go into professional, native-style scripting in the PowerShell environment. PowerShell MVPs Don Jones and Jeffery Hicks - authors of some of the first and most-popular PowerShell books ever - walk you through a guided tour of toolmaking, including advanced topics like debugging, help authoring, type extensions, and more. They introduce you to key open-source tools like Platyps and Pester, helping you become a more professional and well-rounded toolmaker. They even dive into data connectivity, helping you use some of the most common data storage mechanisms and formats in your scripts. Everything you need is right here, including hands-on exercises, review questions, and more. Start becoming a PowerShell Toolmaker today!

### **Windows PowerShell in Action**

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.

### **Mastering Windows PowerShell Scripting**

Master PowerCLI to automate all aspects of VMware environments About This Book Leverage PowerCLI to perform administration tasks in a more effective and efficient way Escape from daily tedious and repetitive tasks by unleashing the full potential of your creative side through scripting Master the intricate workings of PowerShell and PowerCLI through easy and real-life examples Who This Book Is For If you are a system administrator with working knowledge of PowerShell and PowerCLI who wants to perform quick and easy scripting but at the same time achieve complex results and write production grade scripts, then this book is for you. What You Will Learn Use GitHub for collaboration and Pester to automate unit tests Write advanced reusable functions and dynamic variables and learn about error handling in PowerShell Automate ESXi host installation using Auto-Deploy, host profile, and host image Implement security best practices in a vSphere data center Manage SRM, vCloud Air, and vRealize Operations environments Access and utilize vSphere APIs to manage advanced aspects of vSphere and work with .NET view objects Utilize REST APIs to manage vRealize Automation environments Create a Windows GUI through the use of PowerShell and Sapien PrimalForms CE In Detail Have you ever wished that every morning you could automatically get a report with all the relevant information about your datacenter in exactly the same format you want? Or whether you could automate that boring, exhausting task? What if some crucial task needs to be performed on a regular basis without any error? PowerCLI scripts do all that and much more for VMware environments. It is

built on top of the popular Windows PowerShell, with which you can automate server tasks and reduce manual input, allowing you to focus on more important tasks. This book will help you to achieve your goals by starting with a short refresher on PowerShell and PowerCLI and then covering the nuances of advanced functions and reusable scripts. Next you will learn how to build a vSphere-powered virtualized datacenter using PowerCLI while managing different aspects of the environment including automated installation, network, and storage. You will then manage different logical constructs of vSphere environment and different aspects of a virtual machine. Later, you will implement the best practices for a security implementation in vSphere Environment through PowerCLI before discovering how to manage other VMware environments such as SRM, vCloud Director and vCloud Air through PowerCLI. You will also learn to manage vSphere environments using advanced properties by accessing vSphere API and REST APIs through PowerCLI. Finally, you will build a Windows GUI application using PowerShell followed by a couple of sample scripts for reporting and managing vSphere environments with detailed explanations of the scripts. By the end of the book, you will have the required in-depth knowledge to master the art of PowerCLI scripting. Style and approach In this book, every topic is explained in a very easy-to-follow fashion with real-life, simple examples so that you get an idea of not only the topic but also the context in which it should be used or where it can be best utilized.

### **Professional Windows PowerShell Programming**

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

### **Mastering Active Directory**

Powershell: Become A Master In Powershell So you want to learn about PowerShell? Let me guarantee you that there's not a better book on the market for that. Give me a minute of your time and I'll explain why. First, a lot of books that are supposed to "teach" you aren't good at teaching. They either go too slow, explain everything in baby terms, talk down to you, and leave you feeling like you didn't learn anything, or they're something like a college textbook where everything is incredibly in-depth. The important thing about this book is that it understands that dilemma. If you're looking for a quick guide to get you started on PowerShell, scripting, and automation - one that will boost you from an absolute beginner to somebody with a firm grasp on the concepts that they just spent a bit reading about - then you're looking at just the one. This book has the perfect pace for your busy schedule. Second, this book covers everything you need to know. We go from the very basics of PowerShell - what it even is, for example - to things like retrieving data and formatting and filtering through collections. In the meantime, we talk about things such as PowerShell scripting and how to get the most out of PowerShell by automating certain tasks using scripts. The contents of this book include: What is PowerShell? PowerShell Commands The Programming Logic behind PowerShell Scripting More Advanced - Filtering and Formatting PowerShell Terminology You will be hard pressed to find a book that covers so much important information so solidly, and I guarantee that if you purchase this book, you will absolutely not regret it. In fact, you'll be too busy making super efficient PowerShell scripts to even have time to regret it! So what are you waiting for? Pick up a copy of PowerShell now and get started on your journey to becoming a great PowerShell power user. Be prepared for the future of Microsoft automation! Scroll Up and Click the "BUY" Button Tags: Powershell Scripting, Windows Powershell 5, Javascript, Powershell Scripting Guide, Computer Programming, C++, SQL, Computer Hacking, Programming

### **Powershell Scripting**

Pro PowerShell for Database Developers helps you master PowerShell application development by continuing where other books leave off. There are no "Hello World" functions here, just real-world examples that get down to business. Develop and deploy database and ETL applications in a reusable framework. Read from any data source and write to any destination. Integrate PowerShell with SQL Server. Pro PowerShell for Database Developers shows how to dive into the PowerShell environment and customize it to your needs. Learn about CmdletBinding and its use in extending functions with powerful

new features. Also learn to package functions into libraries called modules that are loaded automatically on demand. PowerShell is about automation and getting work done when you're not around to perform it. To that end you'll see how to schedule PowerShell applications using SQL Agent and the scheduled job cmdlets. And for when you are around to run automated processes in person, you'll learn to add a Windows GUI to your applications to give them that professional polish. Other exciting topics include: Creating objects with custom methods and properties and extending them with PowerShell-style inheritance. Implementing function polymorphism using parameter sets. Using PowerShell as an ETL tool surpassing even SSIS. Creating distributed, interruptible, and multithreaded programs using PowerShell's workflow engine and the .Net Windows Workflow Foundation. All these topics are explained using real-world examples encapsulated into modules you can immediately put to use in your organization. You'll reap even more as you come to grips with all that PowerShell can do. Begin the journey toward deep expertise and amazing productivity. Buy and read Pro PowerShell for Database Developers today.

### **Windows PowerShell Pocket Reference**

With PowerShell, you can automate tasks with scripts without having to learn the complicated ins and outs of programming. After you familiarise yourself with PowerShell's intuitive syntax, you'll apply your knowledge by designing and developing scripts for lots of daily situations IT personnel find themselves in every day. You'll then end with learning how to build a large project to automate server deployments from scratch written completely in PowerShell. Unlock the possibilities with PowerShell!

### **Mastering Windows PowerShell Scripting**

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**

Become a master at managing enterprise identity infrastructure by leveraging Active Directory About This Book Manage your Active Directory services for Windows Server 2016 effectively Automate administrative tasks in Active Directory using PowerShell Manage your organization's network with ease Who This Book Is For If you are an Active Directory administrator, system administrator, or network professional who has basic knowledge of Active Directory and are looking to gain expertise in this topic, this is the book for you. What You Will Learn Explore the new features in Active Directory Domain Service 2016 Automate AD tasks with PowerShell Get to know the advanced functionalities of the schema Learn about

Flexible Single Master Operation (FSMO) roles and their placement Install and migrate Active directory from older versions to Active Directory 2016 Manage Active Directory objects using different tools and techniques Manage users, groups, and devices effectively Design your OU structure in the best way Audit and monitor Active Directory Integrate Azure with Active Directory for a hybrid setup In Detail Active Directory is a centralized and standardized system that automates networked management of user data, security, and distributed resources and enables interoperation with other directories. If you are aware of Active Directory basics and want to gain expertise in it, this book is perfect for you. We will quickly go through the architecture and fundamentals of Active Directory and then dive deep into the core components, such as forests, domains, sites, trust relationships, OU, objects, attributes, DNS, and replication. We will then move on to AD schemas, global catalogs, LDAP, RODC, RMS, certificate authorities, group policies, and security best practices, which will help you gain a better understanding of objects and components and how they can be used effectively. We will also cover AD Domain Services and Federation Services for Windows Server 2016 and all their new features. Last but not least, you will learn how to manage your identity infrastructure for a hybrid-cloud setup. All this will help you design, plan, deploy, manage operations on, and troubleshoot your enterprise identity infrastructure in a secure, effective manner. Furthermore, I will guide you through automating administrative tasks using PowerShell cmdlets. Toward the end of the book, we will cover best practices and troubleshooting techniques that can be used to improve security and performance in an identity infrastructure. Style and approach This step-by-step guide will help you master the core functionalities of Active Directory services using Microsoft Server 2016 and PowerShell, with real-world best practices at the end.

### **Beginning PowerShell for SharePoint 2016**

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

### **Pro PowerShell for Database Developers**

In the old days, trades were kept alive by Masters, who took on and trained apprentices into journeymen, who became Masters in their own right. We've lost that in most ways, but there's no reason you can't resurrect the approach for our modern times. Learn to achieve and recognize your own success, so that you can become a Master to someone else. This

book covers my approach to Mastery, in a hope that it will inspire you to find your own path, and begin a generations-long tradition of helping others achieve their success.

### **Windows PowerShell Unleashed**

Automate Windows server tasks with the powerful features of the PowerShell Language Key Features Leverage PowerShell to automate complex Windows server tasks Master new features such as DevOps, and containers, and speed up their performance using PowerShell Improve PowerShell's usability, and control and manage Windows-based environments by working through exciting recipes Book Description Windows Server 2019 represents the latest version of Microsoft's flagship server operating system. It also comes with PowerShell Version 5.1 and has a number of additional features that IT pros find useful. The book helps the reader learn how to use PowerShell and manage core roles, features, and services of Windows Server 2019. You will begin with creating a PowerShell Administrative Environment that has updated versions of PowerShell and the Windows Management Framework, updated versions of the .NET Framework, and third-party modules. Next, you will learn to use PowerShell to set up and configure Windows Server 2019 networking and also managing objects in the AD environment. You will also learn to set up a host to utilize containers and how to deploy containers. You will also be implementing different mechanisms for achieving desired state configuration along with getting well versed with Azure infrastructure and how to setup Virtual Machines, web sites, and shared files on Azure. Finally, you will be using some powerful tools you can use to diagnose and resolve issues with Windows Server 2019. By the end of the book, you will learn a lot of trips and tricks to automate your windows environment with PowerShell What you will learn Perform key admin tasks on Windows Server 2019 Employing best practices for writing PowerShell scripts and configuring Windows Server 2019 Use the .NET Framework to achieve administrative scripting Set up VMs, websites, and shared files on Azure Report system performance using built-in cmdlets and WMI to obtain single measurements Know the tools you can use to diagnose and resolve issues with Windows Server Who this book is for If you are a systems administrator, engineer, or an architect working with Windows Server 2016 interested in upgrading to Windows Server 2019 and automating tasks with PowerShell, then this book is for you. A basic knowledge of PowerShell is expected.

### **The PowerShell Scripting and Toolmaking Book**

Over 100 recipes to help you leverage PowerShell to automate Windows Server 2016 manual tasks About This Book Automate Windows server tasks with the powerful features of the PowerShell Language Master new features such as DevOps, containers, and Nano servers, and speed up their performance using PowerShell Improve PowerShell's usability, and control and manage Windows-based environments by working through inviting recipes Who This Book Is For If you are a systems administrator, engineer, or an architect working with Windows Server 2016 and want to automate tasks with

PowerShell, then this book is for you. A basic knowledge of PowerShell is expected. What You Will Learn Streamline routine administration processes Improve the performance and storage of your Windows server with enhanced large-scale PowerShell scripts Use DSC to leverage Windows server features Generate automatic reports that highlight unexpected changes in your environment Monitor performance and report on system utilization using detailed graphs and analysis Create and manage a reliable and redundant Hyper-V environment Manage your enterprise's patch level Utilize multiple tools and protocols to manage your environment In Detail This book showcases several ways that Windows administrators can use to automate and streamline their job. You'll start with the PowerShell and Windows Server fundamentals, where you'll become well versed with PowerShell and Windows Server features. In the next module, Core Windows Server 2016, you'll implement Nano Server, manage Windows updates, and implement troubleshooting and server inventories. You'll then move on to the Networking module, where you'll manage Windows network services and network shares. The last module covers Azure and DSC, where you will use Azure on PowerShell and DSC to easily maintain Windows servers. Style and approach This is a practical guide packed with attractive recipes to help you effectively use PowerShell to accelerate your daily administrative tasks with Windows server.

### **Professional Windows PowerShell**

"Portable help for PowerShell scripters"--Cover.

### **Mastering Windows PowerShell Scripting**

WHAT IS POWERSHELL? Windows PowerShell is an item situated robotization motor and scripting language. It is primarily aimed at system administrators. It causes IT experts, to control and mechanize the administration of the Windows operating system and other applications. While many casual users know about the Command Prompt, only a few have heard about Windows PowerShell. PowerShell is a much more powerful tool than the Command Prompt. It is also intended to replace the Command Prompt, as it delivers more power and control over the Windows operating system. Windows PowerShell is a shell initially developed by Microsoft for the purposes of task automation and configuration management. PowerShell is now an open source project, and it can be installed on Windows, macOS, and Linux platforms. This shell is based on the .NET framework, and it includes a command-line shell and a scripting language. POWERSHELL FOR BEGINNERS contains chapters on HISTORY OF POWERSHELL LEARNING POWERSHELL FROM THE START WHAT IS POWERSHELL ISE THE DIFFERENCE BETWEEN POWERSHELL AND CMD POWERSHELL PROVIDERS AND MODULES WHAT MAKES A POWERSHELL OBJECT? ENTRANCE TO THE CONSTRUCTION SITE UNDERSTANDING OF POWERSHELL FOREACH LOOP AND FOREACH-OBJECT WINDOWS POWERSHELL PROVIDERS. Who is this book for? Windows PowerShell is an incredibly powerful tool that is included in Windows, and that is available for many other operating systems. It brings many benefits to power-users and IT

professionals. However, casual users can benefit from using it too. The knowledge and skills that you gain from this book can allow you to grasp the basics of windows Powershell scripting. Powershell For Beginners is extensively researched and documented and will prove extremely effective at preparing you to begin an exciting new career as a computer systems administrator or even to improve the day to day running of the pc's on your home network What are you waiting for? Take Action TODAY! Grab your copy of POWERSHELL FOR BEGINNERS NOW

### **Windows Server 2019 Automation with PowerShell Cookbook**

Master the art of automating and managing your environment using PowerShell About This Book Find quick solutions to automate your environment with ease Work with large amounts of data effortlessly with PowerShell data types and secure them Packed with real-world examples to automate and simplify the management of your Windows environment Who This Book Is For If you are a system administrator who wants to become an expert in controlling and automating your Windows environment, then this book is for you. It is also for those new to the PowerShell language. What You Will Learn Optimize code through the use of functions, switches, and looping structures Install PowerShell on your Linux system Utilize variables, hashes, and arrays to store data Work with Objects and Operators to test and manipulate data Parse and manipulate different data types Write .NET classes with ease within the PowerShell Create and implement regular expressions in PowerShell scripts Deploy applications and code with PowerShell's Package management modules Leverage session-based remote management Manage files, folders, and registries through the use of PowerShell In Detail PowerShell scripts offer a handy way to automate various chores. Working with these scripts effectively can be a difficult task. This comprehensive guide starts from scratch and covers advanced-level topics to make you a PowerShell expert. The first module, PowerShell Fundamentals, begins with new features, installing PowerShell on Linux, working with parameters and objects, and also how you can work with .NET classes from within PowerShell. In the next module, you'll see how to efficiently manage large amounts of data and interact with other services using PowerShell. You'll be able to make the most of PowerShell's powerful automation feature, where you will have different methods to parse and manipulate data, regular expressions, and WMI. After automation, you will enter the Extending PowerShell module, which covers topics such as asynchronous processing and, creating modules. The final step is to secure your PowerShell, so you will land in the last module, Securing and Debugging PowerShell, which covers PowerShell execution policies, error handling techniques, and testing. By the end of the book, you will be an expert in using the PowerShell language. Style and approach This practical guide covers all the advanced PowerShell functionalities that an administrator needs to learn to automate their environments.

### **Shell of an Idea**

A complete guide on Teams filled with real-world scenarios and best practices to increase enterprise productivity and engagement Key Features Interactive approach to learn the key concepts of Teams and its implementation in modern workplace Discover tips and techniques for extending Teams to meet your business requirements Integrate Teams with various Microsoft services such as PowerShell, SharePoint, PowerApps, and Power Automate Book Description Microsoft Teams is a platform for unified communication in modern workplaces. It not only enables effective communication, but also helps you manage your resources through its integration with various Microsoft Office 365 services. This book offers a comprehensive introduction to the platform, getting you up to speed in no time. Complete with hands-on tutorials, and projects, this easy-to-follow guide will teach you how to use Teams in the best possible way. Starting with the basic concepts that will help you collaborate on Teams, this book takes you through expert techniques for creating and managing teams. A dedicated section also features industry practices to help enhance collaboration in modern workplaces. In later chapters, you'll explore Microsoft services such as SharePoint, PowerApps, Power Automate, and learn how they interact with Microsoft Teams. You'll also get to grips with dealing with permissions and security issues in managing private and public teams and channels. Along the way, you'll discover practical scenarios that will help you improve the collaboration in your organization and increase productivity by using Teams features. By the end of this book, you'll have hands-on experience of using Microsoft Teams, along with the skills you need to improve the way people collaborate in your organization. What you will learn Create teams, channels, and tabs in Microsoft Teams Explore the Teams architecture and various Office 365 components included in Teams Perform scheduling, and managing meetings and live events in Teams Configure and manage apps in Teams Design automated scripts for managing a Teams environment using PowerShell Build your own Microsoft Teams app without writing code Who this book is for This Microsoft Teams book is for power users and business professionals looking to use Teams for improving collaboration in an enterprise environment. The book will also be useful for Office 365 administrators interested in implementing Microsoft Teams effectively by learning about and exploring expert tips and best practices to ensure good governance.

### **Powershell**

Understand, create, deploy, and maintain a public cloud using Microsoft Azure Mastering Microsoft Azure Infrastructure Services guides you through the process of creating and managing a public cloud and virtual network using Microsoft Azure. With step-by-step instruction and clear explanation, this book equips you with the skills required to provide services both on-premises and off-premises through full virtualization, providing a deeper understanding of Azure's capabilities as an infrastructure service. Each chapter includes online videos that visualize and enhance the concepts presented in the book, and access to a Windows app that provides instant Azure updates and demonstrates the process of going from on-premises to public cloud via Azure. Coverage includes storage customization, connectivity, virtual networks, backing up, hybrid environments, System Center management, and more, giving you everything you need to understand, evaluate, deploy, and

maintain environments that utilize Microsoft Azure. Understand cost, options, and applications of Infrastructure as a Service (IaaS) Enable on- and off-premises connectivity to Azure Customize Azure templates and management processes Exploit key technologies and embrace the hybrid environment Mastering Microsoft Azure Infrastructure Services is your total solution.

### **Mastering Windows Server 2016**

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

### **Mastering PowerCLI**

Are you interested in learning to code but you feel the process is too hard for you? Do you get confused easily when learning to code and you need an easy way out? Or have you heard about the usefulness of Powershell and you feel you need to learn it? If your answer is yes to any of these questions then you really need this book. This book teaches Powershell in a way no other one can. It lets you understand fully what Powershell entails and it even goes as far as teaching you about its history. The teachings are done in a step by step procedures making it easy for those without any scripting or programming experience to catch-up and with steady practice they can be a master in it too. For years now Powershell has been dominating the programming life because of its usefulness and wide application. It's a decent shell-scripting language that combines command-line speed, the flexibility of scripting, and the power of a GUI-based admin tool to perform different user's tasks. All the server products that Microsoft is producing now can be managed through PowerShell so it's a must-learn language for every programmer out there, but the question remains, how can you master such an important language? This powerful book is the answer. Here are some of the reasons why you shouldn't think twice before purchasing this book; **PROPER UNDERSTANDING OF WHAT POWERSHELL ENTAILS:** This book gives you a clear and thorough breakdown of what Powershell entails. It goes as far as giving you its history and various Powershell data types. It's believed that you can't fully understand a program if you don't know its origin and importance and this epic book teaches you all that. **STEP-BY-STEP GUIDE:** Without question, the best way to teach is through step by step procedures and that's exactly what this authentic book does. It features clear representations arranged in step-by-step procedures on what to do each time you want to apply a specific command, making it super easy to learn Powershell and with frequent practice, you would become a pro in no time. **NO PROGRAMMING OR SCRIPTING EXPERIENCE NEEDED:** Unlike some other books out there, you need zero knowledge on programming or scripting in order to master Powershell. The language used is in a very simple tone yet informational and helpful. You don't need to stress yourself with advanced words in other books when you can learn the same thing here and even more in a basic language. **NEW TECHNIQUES FOR BEGINNERS TO TRY:** There are more techniques and procedures in Powershell than you can ever imagine. With just a single line of a command, you can

perform tasks that manually would take days to complete and this book is jam-packed with a lot of them. You would learn some cool shortcuts, hacks, tricks and other procedures that you can perform easily with your Windows device. Powershell language is a must-learn and thanks to Robert Clarke you too can be part of the multitude that's enjoying it and this book is the key.

### **Windows PowerShell 5 in 24 Hours, Sams Teach Yourself**

If you are looking to automate repetitive tasks in Active Directory management using the PowerShell module, then this book is for you. Any experience in PowerShell would be an added advantage.

### **Data Analytics**

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.

## **Learn Windows PowerShell 3 in a Month of Lunches**

### **PowerShell for Sysadmins**

Master the Powershell Command Line and Learn how Hack Wireless Networks All With this Unique Bundle! You get 2 books for the price of 1! Hurry before the price goes up again! If you've ever wanted to learn the Powershell language but couldn't because of all the confusing information out there then this bundle will be your guide. If you've also wanted to learn about other useful tools-like Kali Linux or penetration testing-with the intent of hacking wireless networks-then this bundle will be an unfair steal. Because when you download this bundle you'll get a clear, step-by-step guide on mastering both the Powershell command line AND wireless hacking. Each book contains proven strategies and techniques to help you have more success with Powershell scripting-and to give you the tools necessary to become an expert hacker. When you master each of these critical skills you'll be indispensable to companies the world over-not to mention feared by institutions that safeguard online privacy and security. Inside you'll get the following: Powershell: The Beginner's Guide to Mastering the Powershell Command Line and Learning to script tasks effortlessly This is where you'll learn all about the Powershell command line, how to script tasks, and how to distinguish Powershell from other shells. You'll learn how to use the Powershell pipeline and how to ensure security on Powershell. You'll also discover how to use Powershell with devops and how to automate the entire Windows system. All of this will be taught with lucid Screenshots and tutorials. Wireless Hacking: The Beginner's Guide to Hacking Wireless Networks In this book you'll discover the A-Z of wireless hacking. I'll show you the strategies "Big Boy" hackers use to break into the most highly encrypted institutions online. You'll learn the "technical" side of things without getting too technical. You'll even discover how to use Kali Linux and Penetration testing to become a world class hacker (I'll also teach you how to prevent others from hacking into your system). By the time you're finished reading and applying these strategies you'll know more than 90% of hackers out there. Download this Bundle and Maximize Powershell Scripting and Wireless Hacking

### **Beginning PowerShell for SharePoint 2013**

Use the latest tools to manage and automate tasks on Microsoft's SharePoint platform. You will achieve time and cost savings, increase reliability of deployments, and learn how to safely and efficiently migrate from a previous version, all while gaining valuable skills in PowerShell scripting. Authors Nik Charlebois-Laprade and John Edward Naguib begin by explaining the fundamental concepts behind the PowerShell language. Then, with copious real-world examples and scripts, they introduce PowerShell operations in the context of deploying, migrating, managing, and monitoring SharePoint 2016. What You'll Learn What's New in this Edition? Learn about the new SharePoint 2016 capabilities and min role Extend the

default set of available PowerShell cmdlets for SharePoint 2016 by creating your own reusable Cmdlet functions with PowerShell 5.0 Upgrade your on-premises SharePoint 2013 environment to SharePoint 2016 using PowerShell Who This Book Is For Administrators, developers, and DevOps engineers working with SharePoint 2016. No experience with PowerShell is required.

### **Mastering Microsoft Azure Infrastructure Services**

"Analyzing data is not easy, due to the fact that you have to figure out which type of data analytics you are going to use, as well as defeat the challenges that you will come up against when it comes to analyzing data. With this book, it is our goal to show you the easiest way to work with data analytics and how you are going to avoid some of the challenges and risks that you will be putting yourself up against when you are working with data. You will realize that analyzing data is not the easiest thing in the world. However, it is going to get easier the more that you practice. Just guarantee that you are taking the time to practice and do not put too much pressure on yourself. In this book, you are going to learn: The risks of data analytics The types of data analytics that are out there in the world What the decision tree is The benefits of using data analytics Real world examples that will show you how you are going to be able to take this knowledge and apply it to your everyday life. Data analysis happens no matter what line of work you are in, and it is my hope that with this book, you are able to learn everything that pushes you further in your knowledge of data analysis!"--

### **Be the Master**

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 Cookbook**

The IT pro's must-have guide to Windows Server 2016 Mastering Windows Server 2016 is a complete resource for IT professionals needing to get quickly up to date on the latest release. Designed to provide comprehensive information in the context of real-world usage, this book offers expert guidance through the new tools and features to help you get Windows Server 2016 up and running quickly. Straightforward discussion covers all aspects, including virtualization products, identity and access, automation, networking, security, storage and more, with clear explanations and immediately-applicable instruction. Find the answers you need, and explore new solutions as Microsoft increases their focus on security, software-defined infrastructure, and the cloud; new capabilities including containers and Nano Server, Shielded VMs, Failover Clustering, PowerShell, and more give you plenty of tools to become more efficient, more effective, and more productive. Windows Server 2016 is the ideal server for Windows 10 clients, and is loaded with new features that IT professionals need to know. This book provides a comprehensive resource grounded in real-world application to help you get up to speed quickly. Master the latest features of Windows Server 2016 Apply new tools in real-world scenarios Explore new capabilities in security, networking, and the cloud Gain expert guidance on all aspect of Windows Server 2016 migration and management System administrators tasked with upgrading, migrating, or managing Windows Server 2016 need a one-stop resource to help them get the job done. Mastering Windows Server 2016 has the answers you need, the practicality you seek, and the latest information to get you up to speed quickly.

### **Powershell**

Presents a guide on how to use Windows PowerShell to script Windows administrative tasks and control Windows from the command line.

### **PowerShell for Beginners**

Beginning PowerShell for SharePoint 2013 is a book for the SharePoint administrator looking to expand his or her toolkit and skills by learning PowerShell, Microsoft's vastly flexible and versatile object oriented scripting language. PowerShell is the future of Microsoft administration, and SharePoint is a complex product that can be managed more easily and quickly with

PowerShell cmdlets and scripts. This book helps bridge the gap, introducing PowerShell fundamentals and operations in the context of deploying, migrating, managing, and monitoring SharePoint 2013. Author Nik Charlebois-Laprade begins by explaining the fundamental concepts behind the PowerShell language. Then, with copious real-world examples and scripts, he lays the foundation for PowerShell novices to automate interactions with the various pieces and components of the SharePoint 2013 platform. For SharePoint administrators wanting to do more with the technology, or for SharePoint developers trying to build their skills on the administration side, Beginning PowerShell for SharePoint 2013 is the perfect book to kick off your PowerShell journey.

### **Windows PowerShell 3.0 Step by Step**

Learn PowerShell from the inside out, right from basic scripting all the way to becoming a master at automating, managing, and maintaining your Windows environment About This Book Use proven best practices to optimize code and automate redundant tasks Get to grips with PowerShell's advanced functions and effectively administer your system Create a variety of PowerShell scripts to automate your environment Who This Book Is For If you are a system administrator who wants to become an expert in automating and managing your Windows environment, then this course is for you. Some basic understanding of PowerShell would be helpful. What You Will Learn Discover PowerShell commands and cmdlets and understand PowerShell formatting Solve common problems using basic file input/output functions Use .NET classes in Windows PowerShell and C# and manage Exchange Online Use PowerShell in C# to manage Exchange Online and work with .NET classes in PowerShell Automate LYNC clients, consuming client-side object models to administrate SharePoint Online Optimize code through the use of functions, switches, and looping structures Manage files, folders, and registries through the use of PowerShell Discover best practices to manage Microsoft systems In Detail Are you tired of managing Windows administrative tasks manually and are looking to automate the entire process? If yes, then this is the right course for you. This learning path starts your PowerShell journey and will help you automate the administration of the Windows operating system and applications that run on Windows. It will get you up and running with PowerShell, taking you from the basics of installation to writing scripts and performing web server automation. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. The next installment of the course focuses on gaining concrete knowledge of Windows PowerShell scripting to perform professional-level scripting. The techniques here are packed with PowerShell scripts and sample C# code to automate tasks. You will use .NET classes in PowerShell and C# to manage Exchange Online. In the final section, you will delve into real-world examples to learn how to simplify the management of your Windows environment. You will get to grips with PowerShell's advanced functions and how to most effectively administer your system. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Getting Started with PowerShell by Michael Shepard Windows PowerShell for .Net Developers Second Edition by Chendrayan Venkatesan and Sherif Talaat

Mastering Windows PowerShell Scripting by Brenton J.W. Blawat Style and approach This is a step-by-step course to help you effectively administer and maintain your development environment with PowerShell.

### **Windows PowerShell**

Introduced in 2006, Microsoft's PowerShell made an immediate, positive impact on its server products and in the lives of the people who administer them. The world's first object-oriented shell, the first designed-from-scratch shell for the Windows operating system, and now a cross-platform management shell, PowerShell's technical achievement is significant. It's easy to look at where PowerShell is today, and not realize or remember the long and sometimes-difficult road it took to get there. What if Microsoft's "next-gen" shell had been nothing more than a port of the Unix KornShell to Windows? What if PowerShell had never become a default, built-in component of the Windows operating system? What if PowerShell had simply been called, "Microsoft Shell?" Yeah, all of those things almost happened. In the end, the story of PowerShell is less about the technology, and more about the people who brought it to life, and the people who use it every day. It's about how one small band of passionate, crazy people with a vision can bring something wonderful into the world, in small, incremental, deliberate steps. It's about how the right people came together at the right time and did the right thing, and about the enormous community that rallied around them to make the whole thing an incredible success. Author Don Jones was with PowerShell from the beginning, and through a series of core team interviews, community discussions, and background research, he brings you this: the untold story of PowerShell, a Shell of an Idea.

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