

Powershell For Beginners Master The Powershell Command Line In 24 Hours Python Programming Javascript Computer Programming C Sql Computer Hacking Programming

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

PowershellFor Beginners! Master the Powershell Command Line in 24 HoursCreatespace Independent Publishing Platform

The World is changing rapidly and technology is at the very center of it. Technology is affecting our present. Technology drives and shapes our future. What better way to be part of that driving force than to learn the beating heart of all these computers and application? Coding. The Coding Languages for Absolute Beginners series aims to be The go-to-guide for beginners to get started on programming and learn the coding skills you need to build the technology and drive the future you want. And the best part about it, you'll learn from scratch not just 1, 2, 3 but 6 Programming Languages!In this series, you'll learn the basics, techniques and best practices for the following coding languages: Arduino C++ C# Powershell Python SQL This comprehensive beginners guide to these 6 Programming Languages gives you everything you need to know to get started on coding, and much much more! Before you know it, you'll start seeing results on screen and your on your way to mastering any, if not all, of these programming languages! Start your coding journey now!

Learn the fundamentals of PowerShell to build reusable scripts and functions to automate administrative tasks with Windows About This Book Harness the capabilities of the PowerShell system to get started quickly with server automation Learn to package commands into a reusable script and add control structures and parameters to make them flexible Get to grips with cmdlets that allow you to perform administration tasks efficiently Who This Book Is For This book is intended for Windows administrators or DevOps users who need to use PowerShell to automate tasks. Whether you know nothing about PowerShell or know just enough to get by, this guide will give you what you need to go to take your scripting to the next level. What You Will Learn Learn to

verify your installed version of PowerShell, upgrade it, and start a PowerShell session using the ISE Discover PowerShell commands and cmdlets and understand PowerShell formatting Use the PowerShell help system to understand what particular cmdlets do Utilise the pipeline to perform typical data manipulation Package your code in scripts, functions, and modules Solve common problems using basic file input/output functions Find system information with WMI and CIM Automate IIS functionality and manage it using the WebAdministration module In Detail Windows PowerShell is a task-based command-line shell and scripting language designed specifically for system administration. Built on the .NET Framework, Windows PowerShell helps IT professionals and power users control and automate the administration of the Windows operating system and applications that run on Windows. PowerShell is great for batch importing or deleting large sets of user accounts and will let you collect a massive amount of detailed system information in bulk via WMI (Windows Management Instrumentation). Getting Started with PowerShell is designed to help you get up and running with PowerShell, taking you from the basics of installation, to writing scripts and web server automation. This book, as an introduction to the central topics of PowerShell, covers finding and understanding PowerShell commands and packaging code for reusability, right through to a practical example of automating IIS. It also includes topics such as installation and setup, creating scripts, automating tasks, and using Powershell to access data stores, registry, and file systems. You will explore the PowerShell environment and discover how to use cmdlets, functions, and scripts to automate Windows systems. Along the way, you will learn to perform data manipulation and solve common problems using basic file input/output functions. By the end of this book, you will be familiar with PowerShell and be able to utilize the lessons learned from the book to automate your servers. Style and approach A practical learning guide, complete with plenty of activities, examples and screenshots.

Are you a system administrator, consultant, or power user who wants to expand their expertise in automating and controlling the windows environment? And are you looking for a comprehensive guide that will help you become a pro at your own convenience and pace even if you've never set foot into a software development class? If you answered YES to these questions, this book is for you so keep on reading... You Are About To Master How To Unlock The Advanced Functionalities Of Windows Powershell Scripting To Help You Automate Different Tasks In The Windows Environment!

Windows PowerShell is a very powerful tool that most people do not yet know of as it is still fairly new. It offers a handy way to automate the windows environment. However, working with this function can be difficult if you do not have the necessary knowledge of going about it. This book bridges that gap as it provides you with all the knowledge you need to help you automate common administrative jobs and tasks. By virtue that you are here, it is clear that you are eager to get started and you are probably wondering... What is Windows PowerShell and what exactly does it do? How do I install PowerShell on my computer? Can Windows PowerShell be installed on other operating systems apart from Windows? What are the main PowerShell commands that I should know of? How do I get started with scripting using PowerShell? If you have these and other related questions about getting started with Windows PowerShell, keep reading, as this book has everything you need to get you started, even if you do not consider yourself tech-savvy. More precisely, you will find: What PowerShell is and how to install it on

different operating systems Different PowerShell commands and what they do The core concepts of scripting using PowerShell How to use conditional statements and PowerShell loops How to combine scripting and commands And much more... Even if you are a complete beginner, this comprehensive guide is perfect for you as it will help you learn PowerShell fast. It is structured in a way that allows readers to understand the concepts using real-world situations as opposed to a textbook format. You'll be scripting like a pro in no time. Don't wait... Scroll up and click Buy Now With 1-Click or Buy Now to get started!

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

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 other 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

Get Free Powershell For Beginners Master The Powershell Command Line In 24 Hours Python Programming Javascript Computer Programming C Sql Computer Hacking Programming

key.

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

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!

Prepare for the future of Microsoft automation with this no-nonsense guide Windows PowerShell 2 is the scripting language that enables automation within the Windows operating system. Packed with powerful new features, this latest version is complex, and Windows PowerShell 2 For Dummies is the perfect guide to help system administrators get up to speed. Written by a Microsoft MVP with direct access to the program managers and developers, this book covers every new feature of Windows PowerShell 2 in a friendly, easy-to-follow format. Windows PowerShell 2 is the updated scripting language that enables system administrators to automate Windows operating systems System administrators with limited scripting experience will find this book helps them learn the fundamentals of Windows PowerShell 2 quickly and easily Translates the jargon and complex syntax of Windows PowerShell 2 Covers script debugging improvements, the ability to invoke commands remotely, and the new user interface Uses real-world applications to clarify the theory, fundamentals, and techniques of the scripting language Written by a Microsoft MVP with direct access to the developers of Windows PowerShell 2 Windows PowerShell 2 For Dummies makes this tool easily accessible to administrators of every experience level.

PowerShell 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!

Grasp advanced PowerShell 7.1 functionalities for effective automation of your environment

Key Features Automate complex tasks, manipulate data, and secure your environment

Work with dual code for PowerShell 7 and Windows PowerShell to maintain compatibility with older versions

See PowerShell in action, from learning the fundamentals to creating classes, scripts, and modules

Book Description PowerShell scripts offer a convenient way to automate various tasks, although working effectively with these scripts can be challenging. Mastering PowerShell Scripting helps you to navigate through PowerShell's capabilities. This extensively revised edition includes new chapters on debugging and troubleshooting and creating GUIs (online chapter). Learn the new features of PowerShell 7.1 by working with parameters, objects, and .NET classes from within PowerShell 7.1. This comprehensive guide starts with the basics before moving on to advanced topics, including asynchronous processing, desired state configuration, using more complex scripts and filters, debugging issues, and error-handling techniques. Explore how to efficiently manage substantial amounts of data and interact with other services using PowerShell 7.1. This book will help you to make the most of PowerShell's automation features, using different methods to parse data, manipulate regular expressions, and work with Windows Management Instrumentation (WMI). What you will learn

- Optimize code with functions, switches, and looping structures
- Test and debug your scripts as well as raising and catching errors
- Work with objects and operators to test and manipulate data
- Parse and manipulate different data types
- Use jobs, runspaces, and runspace pools to run code asynchronously
- Write .NET classes with ease within 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 This book is for system administrators who want to automate and speed up their processes using PowerShell and Windows PowerShell. Some familiarity with operating systems would be useful, but not essential.

Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills.

Summary You can be incredibly productive with Azure without mastering every feature, function, and service. Learn Azure in a Month of Lunches, Second Edition gets you up and running quickly, teaching you the most important concepts and tasks in 21 practical bite-sized lessons. As you explore the examples, exercises, and labs, you'll pick up valuable skills immediately and take your first steps to Azure mastery! This fully revised new edition covers core changes to the Azure UI, new Azure features, Azure containers, and the upgraded Azure Kubernetes Service.

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the technology Microsoft Azure is vast and powerful, offering virtual servers, application templates, and prebuilt services for everything from data storage to AI. To navigate it all, you need a trustworthy guide. In this book, Microsoft engineer and Azure trainer Iain Foulds focuses on core skills for creating cloud-based applications.

About the book Learn Azure in a Month of Lunches, Second Edition, is a tutorial on writing, deploying, and running applications in Azure. In it, you'll work through 21 short lessons that give you real-world experience. Each lesson includes a hands-on lab so you can try out and lock in your new skills. What's inside

Understanding Azure beyond point-and-click Securing applications and data
Automating your environment Azure services for machine learning, containers, and
more About the reader This book is for readers who can write and deploy simple web or
client/server applications. About the author Iain Foulds is an engineer and senior
content developer with Microsoft. Table of Contents PART 1 - AZURE CORE
SERVICES 1 Before you begin 2 Creating a virtual machine 3 Azure Web Apps 4
Introduction to Azure Storage 5 Azure Networking basics PART 2 - HIGH
AVAILABILITY AND SCALE 6 Azure Resource Manager 7 High availability and
redundancy 8 Load-balancing applications 9 Applications that scale 10 Global
databases with Cosmos DB 11 Managing network traffic and routing 12 Monitoring and
troubleshooting PART 3 - SECURE BY DEFAULT 13 Backup, recovery, and replication
14 Data encryption 15 Securing information with Azure Key Vault 16 Azure Security
Center and updates PART 4 - THE COOL STUFF 17 Machine learning and artificial
intelligence 18 Azure Automation 19 Azure containers 20 Azure and the Internet of
Things 21 Serverless computing

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

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

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

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

Interested in learning how to quickly automate basic administrative functions? Windows PowerShell is rapidly becoming the solution that Operators turn to with its powerful combination of a scripting language, command line speed, and GUI tools (Graphical User Interface). This Book is an introduction to Windows PowerShell where you'll have an opportunity to learn how to replace manual, repetitive, and time-consuming operations with an automated solution. In this book, you'll be introduced to the Windows PowerShell console and the Integrated Scripting Environment (ISE) as the main command line interfaces you'll use to work with PowerShell commands. Learn the importance of the Windows PowerShell Help system as the quickest way to discover the commands and associated syntax you need for the particular task you want to accomplish. Take advantage of the ISE's Intellisense features to learn PowerShell through syntax completion and sorting and filtering commands with the Show Command add-on. This book will let you be able to understand the thinking way of the Windows PowerShell and work with it as a servant person that will Execute your commands. Every section will be going to let you create a successful habit and a good strategy to easily find the right command, the right syntax of this command, and then running it to get the required result. Also, learn how Providers and Drives work with disparate data sources, such as registry keys, certificates, files, folders, and more What You Will Learn The book is designed to teach you: Basic concepts of Windows PowerShell How to navigate the Windows PowerShell Help system effectively Find and Discover Any PowerShell Commands Interpret and understand how to read the Help of any Commands Formalization of the Right Syntax and Running the commands Working with Providers and Drives Understand the Variables Strings, Hash tables, Core Operators and Regular Expression Basics... By the end of this book, you should be well on your way to creating scripts that save you time, accomplish tasks with greater efficiency, and allow you to be even more productive on the job. Enrol now!

"Portable help for PowerShell scripters"--Cover.

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!

Do you want a system that can rapidly automate tasks and processes? Have you heard about PowerShell and its abilities? Do you want to learn more about it? Microsoft's task automation and configuration management framework, PowerShell, has undergone its

latest transformation with PowerShell 7.0, bringing it right up to date perfect for you when it comes to automating tasks that manage operating systems. It takes the idea to a whole new level that users will find exciting and innovative, while being easy to learn and retain as well. Now, with this new and informative book, PowerShell: The Ultimate Beginners Guide to Learn PowerShell Step-by-Step, you can discover the benefits that it could bring to you, such as: - Rapid automation of tasks- Greater compatibility with Windows- Simplicity of use- Centralized logging- Manage IT environments at scale- Access hard to find user information- And much more... Suitable for absolute beginner's to this concept, PowerShell: The Ultimate Beginners Guide to Learn PowerShell Step-by-Step details exactly what you need to know in a simple and straightforward language that anyone will quickly grasp. If that sounds like something you could use in your daily life, then get a copy now and start learning today!

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 along with tips to make you a PowerShell Core 6.0 scripting expert.

How do you use PowerShell to navigate the filesystem, manage files and folders, or retrieve a web page? This introduction to the PowerShell language and scripting environment provides more than 400 task-oriented recipes to help you solve all kinds of problems. Intermediate to advanced system administrators will find more than 100 tried-and-tested scripts they can copy and use immediately. Updated for PowerShell 5.1 and Open Source PowerShell up to 7.0 and beyond, this comprehensive cookbook includes hands-on recipes for common tasks and administrative jobs that you can apply whether you're on the client or server version of Windows. You also get quick references to technologies used in conjunction with PowerShell, including regular expressions, the XPath language, format specifiers, and frequently referenced .NET, COM, and WMI classes. Learn how to use PowerShell on Windows 10 and Windows Server 2019 Tour PowerShell's core features, including the command model, object-based pipeline, and ubiquitous scripting Master fundamentals such as the interactive shell, pipeline, and object concepts Perform common tasks that involve working with files, internet-connected scripts, user interaction, and more Solve tasks in systems and enterprise management, such as working with Active Directory and the filesystem

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 the art of leveraging PowerShell to automate Office 365 repetitive tasks About This Book Master the fundamentals of PowerShell to automate Office 365 tasks. Easily administer scenarios such as user management, reporting, cloud services, and many more. A fast-paced guide that leverages PowerShell commands to increase your productivity. Who This Book Is For The book is aimed at sys admins who are administering office 365 tasks and looking forward to automate the manual tasks. They have no knowledge about PowerShell however basic understanding of PowerShell would be advantageous. What You Will Learn Understand the benefits of scripting and automation and get started using Powershell with Office 365 Explore various PowerShell packages and permissions required to manage Office 365 through PowerShell Create, manage, and remove Office 365 accounts and licenses using

PowerShell and the Azure AD Learn about using powershell on other platforms and how to use Office 365 APIs through remoting Work with Exchange Online and SharePoint Online using PowerShell Automate your tasks and build easy-to-read reports using PowerShell In Detail While most common administrative tasks are available via the Office 365 admin center, many IT professionals are unaware of the real power that is available to them below the surface. This book aims to educate readers on how learning PowerShell for Office 365 can simplify repetitive and complex administrative tasks, and enable greater control than is available on the surface. The book starts by teaching readers how to access Office 365 through PowerShell and then explains the PowerShell fundamentals required for automating Office 365 tasks. You will then walk through common administrative cmdlets to manage accounts, licensing, and other scenarios such as automating the importing of multiple users, assigning licenses in Office 365, distribution groups, passwords, and so on. Using practical examples, you will learn to enhance your current functionality by working with Exchange Online, and SharePoint Online using PowerShell. Finally, the book will help you effectively manage complex and repetitive tasks (such as license and account management) and build productive reports. By the end of the book, you will have automated major repetitive tasks in Office 365 using PowerShell. Style and approach This step by step guide focuses on teaching the fundamentals of working with PowerShell for Office 365. It covers practical usage examples such as managing user accounts, licensing, and administering common Office 365 services. You will be able to leverage the processes laid out in the book so that you can move forward and explore other less common administrative tasks or functions.

Learning PowerShell is a custom-built, handcrafted, painstakingly curated book designed to get you from total PowerShell newbie to confident PowerShell user in as little as four weeks. This book assumes no prior knowledge, perfect for non-developers and GUI addicts who recognize that PowerShell is the future but need a good bit of handholding to achieve mastery. It is also a simple guide for the hundreds of thousands of PowerShell users who have not attained the level of PowerShell knowledge that they really need. With Learning PowerShell at your side, you will see that you don't have to be a developer to use PowerShell and you don't need to be a scripting wizard to derive value from integrating PowerShell into your daily administrative activities. The book is a learning resource that covers every topic worth discussing for a PowerShell beginner, with a depth of explanation unparalleled by any book currently on the market. With this book, you don't have to have a lot of time to learn the language and you can begin applying what you master almost immediately. Even skeptics of PowerShell, and command lines in general, will come away with a renewed sense of respect for the language and ideas on how to put it to use.

Learn to use PowerShell, Microsoft's scripting language, to automate real-world tasks that IT professionals and system administrators deal with every day. Save Time. Automate. PowerShell® is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of IT. In PowerShell for Sysadmins, five-time Microsoft® MVP "Adam the Automator" Bertram shows

you how to use PowerShell to manage and automate your desktop and server environments so that you can head out for an early lunch. You'll learn how to:

- Combine commands, control flow, handle errors, write scripts, run scripts remotely, and test scripts with the PowerShell testing framework, Pester
- Parse structured data like XML and JSON, work with common domains (like Active Directory, Azure, and Amazon Web Services), and create a real-world server inventory script
- Design and build a PowerShell module to demonstrate PowerShell isn't just about ad-hoc scripts
- Use PowerShell to create a hands-off, completely automated Windows deployment
- Build an entire Active Directory forest from nothing but a Hyper-V host and a few ISO files
- Create endless Web and SQL servers with just a few lines of code!

Real-world examples throughout help bridge the gap between theory and actual system, and the author's anecdotes keep things lively. Stop with the expensive software and fancy consultants. Learn how to manage your own environment with PowerShell for Sysadmins and make everyone happy. Covers Windows PowerShell v5.1

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

Summary PowerShell in Depth, Second Edition is the go-to reference for administrators working with Windows PowerShell. Every major technique, technology, and tactic is carefully explained and demonstrated, providing a hands-on guide to almost everything an admin would do in the shell. Written by three experienced authors and PowerShell MVPs, this is the PowerShell book you'll keep next to your monitor—not on your bookshelf! Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

About the Book A Windows admin using PowerShell every day may not have the time to search the net every time he or she hits a snag. Wouldn't it be great to have a team of seasoned PowerShell experts ready to answer even the toughest questions? That's what you get with this book. PowerShell in Depth, Second Edition is the go-to reference for administrators working with Windows PowerShell. Every major technique, technology, and tactic is carefully explained and demonstrated, providing a hands-on guide to almost everything an admin would do in the shell. Written by PowerShell MVPs Don Jones, Jeffrey Hicks, and Richard Siddaway, each valuable technique was developed and thoroughly tested, so you'll be able to consistently write production-quality, maintainable scripts while saving hours of time and effort. This book assumes you know the basics of PowerShell.

What's Inside Automating tasks Packaging and deploying scripts Introduction to Desired State Configuration PowerShell security Covers PowerShell version 3 and later About the Authors Don Jones, Jeffery Hicks, and Richard Siddaway are Microsoft MVPs, trainers, and administrators. Collectively, they've authored nearly three dozen books on PowerShell and Windows administration.

Table of Contents

PART 1 POWERSHELL FUNDAMENTALS

Introduction PowerShell hosts Using the PowerShell help system The basics of PowerShell syntax Working with PSSnapins and modules Operators Working with objects The PowerShell pipeline Formatting

PART 2 POWERSHELL MANAGEMENT

PowerShell Remoting Background jobs and scheduling Working with credentials Regular expressions Working with HTML and XML data PSDrives and PSProviders Variables, arrays, hash tables, and script blocks PowerShell security Advanced PowerShell syntax

PART 3 POWERSHELL SCRIPTING AND AUTOMATION

PowerShell's scripting language Basic scripts and functions Creating objects for output Scope PowerShell workflows Advanced syntax for scripts and functions Script modules and manifest modules Custom formatting views Custom type extensions Data language and internationalization Writing help Error handling techniques Debugging tools and techniques Functions that work like cmdlets Tips and tricks for creating reports

PART 4 ADVANCED POWERSHELL

Working with the Component Object Model (COM)

Working with .NET Framework objects Accessing databases Proxy functions
Building a GUI WMI and CIM Working with the web Desired State Configuration
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.

Would You Like To Learn Exactly How You Can Do Even More With
PowerShell? - NOW INCLUDES FREE GIFTS! (see below for details) Have you
had a taste of the basics of PowerShell that just whet your appetite? Do you want
to advance to the next level with PowerShell? Do you want to learn how to get
more useful results from PowerShell? Do you want to show your computer who is
boss? If the answer to any of these questions is yes, this book will provide you
with the answers you've been looking for! PowerShell is a fascinating system. It
is not so difficult to operate once you know the basics but sometimes you just

need a little helping hand. After all, there is so much to learn, it can be tough to know how to continue once you have mastered the basics. Fortunately, you can progress quite easily - this book is designed to help you master the next level of PowerShell. PowerShell is a very orderly system. The key to getting things right is in knowing how to speak the language. And PowerShell can be something of a grammar Nazi, especially when it comes to using the right punctuation. Leave off a single quotation mark and your program won't work as you want it to.

PowerShell is a powerful tool but it can be open to malicious attack. You need to know how to protect your computer from scripts designed to cause mayhem and mischief. In this book we will look at: How to make sense of the results that you get and how to filter out the results that you are not interested in. You will learn how to get your computer to do all the work for you so that you only get the results that you want. PowerShell can generate a lot of data, sometimes a lot more than what you actually need. We look at how you can multitask with PowerShell and how to run longer programs in the background, freeing your system up for other tasks. You will learn how to create jobs and what commands can be very useful when it comes to controlling them. You will learn how to you can overcome a near-fatal flaw in PowerShell's security and how use it safely and securely. You'll learn how to protect your shell from malicious hackers. We will look at the Windows Management Instrumentation and introduce you to what it actually does. We will discuss whether or not you actually need to use it and what alternatives there are out there. We will get down to the nuts and bolts of how to use variables to get more of what you want from PowerShell. We also look at writing your own functions and making them into reusable tools. We look at creating your very own cmdlets and tailoring them to your needs. We look at why your scripts aren't running as well as they should and how you can go about fixing them. We then go through how you can prevent errors from cropping up in the first place - this is as close to perfection as you are going to get with PowerShell. You also learn how to deal with errors that you cannot prevent, such as network errors and how to get PowerShell to do what you want despite these errors. We look at how you can start to customize your PowerShell experience to suit you and how you can get more out of it. We also run through a quick cheat sheet of the different punctuation marks and how to use them. ...and much more! Also included for a limited time only are 2 FREE GIFTS, including a full length, surprise FREE BOOK! Take the first step towards mastering PowerShell today. Click the buy now button above for instant access. Also included are 2 FREE GIFTS! - A sample from one of my other best-selling books, and a full length, FREE BOOK included with your purchase!

Learn the basic tools and commands to write scripts in PowerShell 7. This hands-on guide is designed to get you up and running on PowerShell quickly - introducing interactive menus, reading and writing files, and creating code that talks over the network to other scripts, with mini games to facilitate learning. PowerShell for Beginners starts with an introduction to PowerShell and its

components. It further discusses the various tools and commands required for writing scripts in PowerShell 7, with learning reinforced by writing mini games. You will learn how to use variables and conditional statements for writing scripts followed by loops and arrays. You will then work with functions and classes in PowerShell. Moving forward, you will go through the PowerShell Console, customizing the title and text colors. Along the way you will see how to read a key press and make sound in PowerShell. The final sections cover game engine layout, how to build a title screen, and implementing the game design using code flow, title screens, levels, and much more. After reading the book you will be able to begin working with PowerShell 7 scripts and understand how to use its tools and commands effectively. What You Will Learn Use Microsoft Visual Studio Code to develop scripts Understand variables, loops and conditional statements in PowerShell Work with scripts to develop a game Discover and use ASCII art generators Comprehend game objects and code Create client-server scripts that communicate over a network Read and write to files Capture input from the keyboard Make PowerShell speak words to help the visually impaired Create text-based adventure games Who This Book Is For Software developers who want to start working with PowerShell scripts.

In Learn PowerShell in a Month of Lunches: Covers Windows, Linux, and macOS, you'll learn how PowerShell shapes up to Bash or Python scripting as you write and run simple scripts that automate boring daily tasks. Learn PowerShell in a Month of Lunches: Covers Windows, Linux, and macOS is a task-focused tutorial for administering Linux and macOS systems using Microsoft PowerShell. Designed for busy IT professionals, this innovative guide will take you from the basics to PowerShell proficiency through 25 tutorials you can do in your lunch break. In Learn PowerShell in a Month of Lunches: Covers Windows, Linux, and macOS, you'll learn how PowerShell shapes up to Bash or Python scripting as you write and run simple scripts that automate boring daily tasks. As you progress through this book—based on the bestselling Learn Windows PowerShell in a Month of Lunches—you'll use PowerShell to write Continuous Integration Pipelines and manage cloud-based servers. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications.

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.

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

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 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.

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

Take your Office 365 skills to the next level. Master PowerShell for Office 365 to stay competitive in today's world of highly sought after cloud management skills. With expert guidance, IT pros will learn how to leverage the muscle of PowerShell to automate many advanced administrative tasks not otherwise accessible in the Office 365 Admin Center. You will discover how to unlock configuration options and automate tasks in order to free up valuable time and resources. This book is your companion to administering Office 365 with PowerShell. You will learn time-saving techniques such as how to streamline administrative tasks, and how to manage users, licenses, and Office 365 services. Expert and MVP Vlad Catrinescu introduces each chapter with an overview and basic fundamentals, such as how to connect to your required service in Office 365, so that you have a solid foundation for success. Benefit from learning the theory behind PowerShell for Office 365 and put your knowledge to practice with numerous hands-on code examples. What You'll Learn Manage users in bulk Export data such as user lists and groups Create and manage Office 365 groups Manage Exchange online distribution lists, mailboxes, and contacts Configure Skype for Business

settings Perform compliance searches directly from PowerShell Who This Book Is For Any IT pro who needs to manage Office 365 or one of its services such as Exchange, SharePoint, or Skype for Business. Readers should have a basic knowledge of PowerShell and the Office 365 service they want to manage.

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.

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...

[Copyright: c20a58672d590b55ac0757bc0a9cfe22](#)