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Would You Like To Learn Exactly What PowerShell Is And How You Can Make It Work For You? - NOW INCLUDES FREE GIFTS! (see below for details) Do you want access and control of an amazing hidden system on your computer? Do you like to understand how your computer runs its systems? Do you want to start tweaking the settings on your computer but you're not sure how? Do you want to make your computer more efficient? Are you

tired of only having access to the most basic systems? Do you want to take a peak under the hood of your computer system and actually understand what it is that you are looking at? If the answer to any of these questions is yes, this book will provide you with the answers you've been looking for! Learn how to get started using the PowerShell engine to improve performance and to be fully able to get to grips with your computer's programs and software. This book provides simple and practical advice to help you make the most of PowerShell. You will be given practical exercises so that you can see

how things work for yourself and good advice to prevent you from crashing your system. Learn how to make tweaks that really do make a difference. Find out how to find the data you really want and how to sort it once you have it. Learn how to narrow searches so that they provide results that you can actually use and save you from having to sift through an endless range of data. And also learn how to access the full spectrum of the data produced instead of only what is shown on the screen. Find out how to import and export files into other programs so that you can work on them outside the

PowerShell system and how to share files with other PowerShell users. Want to write your way to computing success? Learn to script like a professional and enact simple but effective scripting so that you don't have to type endless repetitions of commands over and over again. Learn how to create scripts that enhance your system without causing any damage and learn how to keep your system protected from malicious software when running your scripts. Save your fingers and save yourself lots of time and effort at the same time. In this book we will look at: Learn how to

find PowerShell on your own system and how to get your hands on the very latest version of PowerShell, no matter which Windows operating system you are running. The basics of using PowerShell, what the key concepts are, how things work and a little background into the program and its development. You'll learn enough to get you up and running with PowerShell today, without all the unnecessary fluff and technobabble that you don't need to know. (We do show you how to find this if you want to. The commands that you absolutely have to know and how you can find out or intuit what the

others are. How to enable scripting so that your scripts can run and how to write killer scripts that increase efficiency and save you time and effort. Learn what providers are - here's a hint, it's not your ISP! Learn how to organize your work within the engine more effectively - after all, is anything you save worth a thing if you cannot find it again? Learn how to get more out of PowerShell. Learn the PowerShell lingo so you can impress your friends and sound really smart. ...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 understanding and using 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 full length, FREE BOOKS included with your purchase! 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 MSH is a new command-line shell for Microsoft server products, including the long-awaited Longhorn server, and will eventually ship with all major Microsoft products, making it the must-know technology MSH will replace current command

lines in new Microsoft products and can be used to write shell scripts similar to those used with Unix and Linux Discusses how MSH enables all of the .NET Framework objects to become accessible via scripting, making it a very powerful addition to any developer's or administrator's toolbox Readers are guided through all the ins and outs of MSH and learn how to create powerful solutions; run scripts, programs, and commands; customize the MSH environment; handle data; manage files and disks; and script solutions and .NET objects 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 A guide to using Windows PowerShell to script Windows administrative tasks and control Windows from the command line. Get started with this powerful Windows administration tool Automate Windows

administration tasks with ease by learning the fundamentals of Windows PowerShell 3.0. Led by a Windows PowerShell expert, you'll learn must-know concepts and techniques through easy-to-follow explanations, examples, and exercises. Once you complete this practical introduction, you can go deeper into the Windows PowerShell command line interface and scripting language with Windows PowerShell 3.0 Step by Step. Discover how to: Create effective Windows PowerShell commands with one line of code Apply Windows PowerShell

commands across several Windows platforms Identify missing hotfixes and service packs with a single command Sort, group, and filter data using the Windows PowerShell pipeline Create users, groups, and organizational units in Active Directory Add computers to a domain or workgroup with a single line of code Run Windows PowerShell commands on multiple remote computers Unleash the power of scripting with Windows Management Instrumentation (WMI) This complete guide takes you on a tour of PowerShell from the basics to its

advanced functionality, helping you automate your tedious and time-consuming system admin tasks 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, but working with them can be daunting. Mastering

PowerShell Scripting takes away the fear and helps you 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, runspace, 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. You'll need to know the basics of operating systems, but beginners with no prior experience with PowerShell

will have no trouble following along. 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 A guide to using Windows PowerShell to script Windows administrative tasks and control Windows from the command line. 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 WWPD: 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-
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Changing your
brain when it comes
to scripting
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scripting An
introduction to
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Squashing bugs
Making script
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Wrapping up the
.NET Framework
Storing data-not in
Excel! Never the
end 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!
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BEGINNERS

NOW... Would You
Like To Learn
Exactly What
PowerShell Is And
How You Can Make
It Work For You? -
NOW INCLUDES
FREE GIFTS! (see
below for details)
Do you want to
access and control
of an amazing
hidden system on
your computer? Do
you like to
understand how
your computer runs
its systems? Do you
want to start
tweaking the
settings on your
computer but
you're not sure
how? Do you want
to make your
computer more
efficient? Are you
tired of only having
access to the most
basic systems? Do
you want to take a
peek under the
hood of your
computer system

and actually understand what it is that you are looking at? Do you want to learn how to get more useful results from PowerShell? If the answer to any of these questions is yes, this book will provide you with the answers you've been looking for! In this book we will look at: The basics of using PowerShell, what the key concepts are, how things work and a little background into the program and its development. You'll learn enough to get you up and running with PowerShell today, without all the unnecessary fluff and technobabble that you don't need to know. (We do show you how to find this

if you want to. How to enable scripting so that your scripts can run and how to write killer scripts that increase efficiency and save you time and effort. Learn what providers are - here's a hint, it's not your ISP! Learn how to organize your work within the engine more effectively - after all, is anything you save worth a thing if you cannot find it again? Learn the PowerShell lingo so you can impress your friends and sound really smart. 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. li> You will learn how to you can overcome a near-fatal flaw in PowerShell's security and how to 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! 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! 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

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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! Presents a PowerShell scripting primer for either PowerShell 3.0 or PowerShell 4.0, covering such topics as object-based scripting, implementing conditional logic, using loops to process data, and organizing scripts using functions. Apply best practices for automating system administration with

Windows PowerShell 2.0 and optimize your operational efficiency and results. This guide captures the field-tested tips, real-world lessons, and candid advice of practitioners across the range of business and technical scenarios and across the scripting life cycle. Discover how to: Take advantage of new features and cmdlets in Windows PowerShell 2.0 Plan scripting usage scenarios and define standards Deploy Windows PowerShell 2.0 to desktops and servers Configure scripting environments Optimize remote scripting capabilities Work with Active

Directory and WMI Design functions and modules Optimize input and output Handle errors Document scripts Test and troubleshoot scripts Avoid scripting pitfalls The companion CD includes a fully searchable eBook and sample scripts. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook. Provides information on writing and running scripts using Windows PowerShell to automate and manage Windows Server 2008 and Windows Vista. The quick start guide for an advanced enterprise

PowerShell framework About This Book Introduces industry-proven techniques that improve script efficiency and reliability Example-rich guide based on real-world scenarios Facilitates building a script that can fully scan a Windows server and identify components Who This Book Is For This book is for IT professionals and Windows administrators who would like to gain intensive, hands-on knowledge and skills on PowerShell without spending hours and hours in learning. If you have been struggling to find the time to gain proficiency and

confidence with PowerShell and everyday scripting tasks What You Will Learn Create an advanced PowerShell scripting template that provides repeatable code to jumpstart all of your scripting projects Learn how to securely encrypt and store usernames, passwords, and other sensitive data in PowerShell scripts and answer files Understand how to optimize the performance of scripts to help process large datasets quickly and avoid time-consuming mistakes Develop a script to scan for non-standard Windows Server configurations and identify service

accounts used on Windows Servers Gather a large list of data from a Windows server without locally or remotely logging in interactively In Detail Enterprise PowerShell Scripting Bootcamp explains how to create your own repeatable PowerShell scripting framework. This framework contains script logging methodologies, answer file interactions, and string encryption and decryption strategies. This book focuses on evaluating individual components to identify the system's function, role, and unique characteristics. To do this, you will

leverage built-in CMDlets and Windows Management Instrumentation (WMI) to explore Windows services, Windows processes, Windows features, scheduled tasks, and disk statistics. You will also create custom functions to perform a deep search for specific strings in files and evaluate installed software through executable properties. We will then discuss different scripting techniques to improve the efficiency of scripts. By leveraging several small changes to your code, you can increase the execution performance by over 130%. By the end of this book,

you will be able to tie all of the concepts together in a PowerShell-based Windows server scanning script. This discovery script will be able to scan a Windows server to identify a multitude of components. Style and approach This book is all about fast and intensive learning. This means, we don't waste time in helping readers get started. The new content is about leveraging highly-effective examples to build new things, help solving problems in newer and unseen ways, and providing an enterprise-ready platform to create PowerShell Scripts. 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. Are You Looking To Navigate The Filesystem, Manage Files and Folders, Or Retrieve A Web Page? Ready To Learn Efficient PowerShell Scripts? Yes, you can use Windows PowerShell Help system as the quickest way to discover the commands you need for the particular task you want to accomplish. Windows PowerShell is Microsoft's standard

automation tool and something that every Windows administrator will eventually have to understand. The book, "PowerShell: The PowerShell for Beginners Guide to Learn PowerShell Scripting, PowerShell 5 and Windows PowerShell", is filled with examples and fun little exercises that will show the reader the results of their work immediately and encourages the reader to continue learning. It provides the background necessary to apply PowerShell automation and introduces the PowerShell Script Language, shows the secure execution of command

sequences as scripts, and demonstrates how to use PowerShell to access essential operating system interfaces. What you will learn inside the book: The Basics of PowerShell Learning the PowerShell Commands PowerShell Script Creation PowerShell Providers Working with Files and Folders Making PowerShell Work for You PowerShell Terminology This book will guide you through the very basics and up to the point where you will have enough tools to learn more advanced guidebooks or continue scripting and automating Windows using PowerShell. No

Experience With Windows Powershell Or Other Scripting Technologies Necessary This book is designed for anyone who wants to learn Windows PowerShell. By the end of the book, you will be able to: Optimize code through the use of functions, switches, and looping structures Utilize variables, hashes, and arrays to store data Work with Objects and Operators to test and manipulate data Create and implement regular expressions in PowerShell scripts Leverage session-based remote management Manage files, folders, and registries through the use of

PowerShell Discover the best practices to manage Microsoft systems This guide captures the field-tested tips, real-world lessons, and candid advice of practitioners across the range of business and technical scenarios and across the scripting life cycle. What are you waiting for? Buy "PowerShell: The PowerShell for Beginners Guide to Learn PowerShell Scripting, PowerShell 5 and Windows PowerShell" right now and prepare for the future of Microsoft automation! 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. 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. Grasp advanced PowerShell 7.1 functionalities for effective automation of your environmentKey Features* See PowerShell in action, from learning the

fundamentals to creating classes, scripts, and modules* Work with dual code for PowerShell 7 and Windows PowerShell* Automate complex tasks, manipulate data, and secure your environmentBook DescriptionPowerShell scripts offer a convenient way to automate various tasks.This comprehensive guide starts with the basics before moving on to advanced topics to help you become a PowerShell 7.1 expert. This extensively revised edition includes two new chapters on debugging and troubleshooting and creating GUIs. Learn the new features of

PowerShell 7.1 by working with parameters, objects, and .NET classes from within PowerShell 7.1. As you work through the chapters, you'll see how to efficiently manage substantial amounts of data and interact with other services using PowerShell 7.1. Make the most of PowerShell's automation features, using different methods to parse data, manipulate regular expressions, and work with Windows Management Instrumentation (WMI). Advanced topics include asynchronous processing, desired state configuration, using more complex scripts and filters, debugging issues, and error-handling

techniques. By the end of this PowerShell book, you will be an expert in scripting with PowerShell 7.1. What you will learn* Optimize code with 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, 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 aimed at beginners who want to understand the basics as well as experienced system administrators looking to extend their knowledge. Prior knowledge of PowerShell is beneficial but not essential to get the most value from this book. Some familiarity with operating systems would be useful, but not essential. Expert recommendations, pragmatically applied. Automate system administration using Windows PowerShell best practices—and optimize your operational

efficiency. With this practical guide, Windows PowerShell expert and instructor Ed Wilson delivers field-tested tips, real-world examples, and candid advice culled from administrators across a range of business and technical scenarios. If you're an IT professional with Windows PowerShell experience, this book is ideal. Discover how to: Use Windows PowerShell to automate Active Directory tasks Explore available WMI classes and methods with CIM cmdlets Identify and track scripting opportunities to avoid duplication Use functions to

encapsulate business logic and reuse code Design your script's best input method and output destination Test scripts by checking their syntax and performance Choose the most suitable method for running remote commands Manage software services with Desired State Configuration 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
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 Describes the concepts, components, and development techniques of Windows PowerShell to enable users to build software packages and applications. 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) 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." Presents a guide on how to use Windows PowerShell to script Windows administrative tasks and control Windows from the command line. Make use of hands-on recipes for many tasks that are typically encountered in both the on-premises as well as the cloud world. Key FeaturesA recipe-based guide to help you build effective administrative solutionsGain hands-on experience with the newly added

features of PowerShell CoreManage critical business environments with professional scripting practicesBook Description This book will follow a recipe-based approach and start off with an introduction to the fundamentals of PowerShell, and explaining how to install and run it through simple examples. Next, you will learn how to use PowerShell to access and manipulate data and how to work with different streams as well. You will also explore the object model which will help with regard to PowerShell function deployment. Going forward, you will

get familiar with the pipeline in its different use cases. The next set of chapters will deal with the different ways of accessing data in PowerShell. You will also learn to automate various tasks in Windows and Linux using PowerShell Core, as well as explore Windows Server. Later, you will be introduced to Remoting in PowerShell Core and Just Enough Administration concept. The last set of chapters will help you understand the management of a private and public cloud with PowerShell Core. You will also learn how to access web services and explore the high-performance

scripting methods. By the end of this book, you will gain the skills to manage complex tasks effectively along with increasing the performance of your environment. What you will learnLeverage cross-platform interaction with systemsMake use of the PowerShell recipes for frequent tasksGet a better understanding of the inner workings of PowerShellUnderst and the compatibility of built-in Windows modules with PowerShell CoreLearn best practices associated with PowerShell scriptingAvoid common pitfalls and mistakesWho this book is for This book will be for

windows administrators who want to enhance their PowerShell scripting skills to the next level. System administrators wanting to automate common to complex tasks with PowerShell scripts would benefit from this book. Prior understanding on PowerShell would be necessary. Efficiently administer and maintain your development environment with Windows PowerShell About This Book Explore scripting and automation techniques with Windows PowerShell Gain concrete knowledge of Windows PowerShell

scripting to perform professional level scripting Discover the benefits of the Configuration Management Platform with this step-by-step guide that includes real-world scripting examples Who This Book Is For If you are an IT professional or developer who has worked on the .Net platform and you want to learn automation using Windows PowerShell, then this book is for you. This self-start guide takes you from the basics and gradually moves to an intermediate level to show you how to perform professional scripting. What You Will Learn Understand the concepts of building

PowerShell scripts and the basics of programming Manage the LYNC, Exchange, and SharePoint platforms Create a Pull server using a SMB file share and HTTP and HTTPS Use .NET classes in Windows PowerShell and C# to manage Exchange Online Use PowerShell in C# to manage Exchange Online and work with .NET classes in PowerShell Automate LYNC clients, consuming Client Server Object Models to administrate SharePoint Online In Detail Windows PowerShell 5.0 for .NET Developers is your self-start guide to performing automation using Windows

PowerShell. This book will help you to understand the PowerShell syntax and grammar and will also teach you techniques to remove the rough edges of manual deployments. Packed with PowerShell scripts and sample C# codes to automate tasks, it also includes real-world scenarios such as administrating office servers to help you save time and perform deployments swiftly and efficiently. The book begins with the Windows PowerShell basics, explores the significant features of Windows Management Framework 5.0, covers the basic concepts of Desired State Configuration

and the importance of idempotent deployments. By the end of the book, you will have a good understanding of Windows PowerShell's features and will be able to automate your tasks and manage configuration effectively. Style and approach This is an easy-to-follow step-by-step guide with text-enabled screenshots. Each topic is explained with codes and examples. It also includes multiple approaches for a number of tasks to let you choose the best one for you depending on your scenario. 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!

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. A guide to using Windows PowerShell to script Windows administrative tasks and control Windows from the command line includes more than four hundred task-oriented recipes and more than one hundred scripts. Ready To Learn Efficient PowerShell Scripts? Yes, you can use Windows PowerShell Help system as the quickest way to

discover the commands you need for the particular task you want to accomplish. Windows PowerShell is Microsoft's standard automation tool and something that every Windows administrator will eventually have to understand. The book, "PowerShell: The PowerShell for Beginners Guide to Learn PowerShell Scripting, PowerShell 5 and Windows PowerShell," is filled with examples and fun little exercises that will show the reader the results of their work immediately and encourages the reader to continue learning. It provides the background

necessary to apply PowerShell automation and introduces the PowerShell Script Language, shows the secure execution of command sequences as scripts, and demonstrates how to use PowerShell to access essential operating system interfaces. What you will learn inside the book: The Basics of PowerShell Learning the PowerShell Commands and Powershell Command Line PowerShell Script Creation PowerShell Providers Working with Files and Folders Making PowerShell Work for You PowerShell Terminology This

book will guide you through the very basics and up to the point where you will have enough tools to learn more advanced guidebooks or continue scripting and automating Windows using PowerShell. No Experience With Windows Powershell Or Other Scripting Technologies Necessary This book is designed for anyone who wants to learn Windows PowerShell. By the end of the book, you will be able to: Optimize code through the use of functions, switches, and looping structures Utilize variables, hashes, and arrays to store data Work with Objects and Operators to test

and manipulate data Create and implement regular expressions in PowerShell scripts Leverage session-based remote management Manage files, folders, and registries through the use of PowerShell Discover the best practices to manage Microsoft systems This guide captures the field-tested tips, real-world lessons, and candid advice of practitioners across the range of business and technical scenarios and across the scripting life cycle. What are you waiting for? Download "PowerShell: The PowerShell for Beginners Guide to Learn PowerShell

Scripting, PowerShell 5 and Windows PowerShell" right now and prepare for the future of Microsoft automation! Summary Windows PowerShell in Action, Third Edition is the definitive guide to PowerShell, now revised to cover PowerShell 6. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology In 2006, Windows PowerShell reinvented the way administrators and developers interact with Windows. Today, PowerShell is required knowledge for Windows admins

and devs. This powerful, dynamic language provides command-line control of the Windows OS and most Windows servers, such as Exchange and SCCM. And because it's a first-class .NET language, you can build amazing shell scripts and tools without reaching for VB or C#. About the Book Windows PowerShell in Action, Third Edition is the definitive guide to PowerShell, now revised to cover PowerShell 6. Written by language designer Bruce Payette and MVP Richard Siddaway, this rich book offers a crystal-clear introduction to the language along

with its essential everyday use cases. Beyond the basics, you'll find detailed examples on deep topics like performance, module architecture, and parallel execution. What's Inside The best end-to-end coverage of PowerShell available Updated with coverage of PowerShell v6 PowerShell workflows PowerShell classes Writing modules and scripts Desired State Configuration Programming APIs and pipelines About the Reader Written for intermediate-level developers and administrators. About the Authors Bruce Payette is codesigner and principal author of the Power-Shell

language. Richard Siddaway is a longtime PowerShell MVP, author, speaker, and blogger. Table of Contents Welcome to PowerShell Working with types Operators and expressions Advanced operators and variables Flow control in scripts PowerShell functions Advanced functions and scripts Using and authoring modules Module manifests and metadata Metaprogramming with scriptblocks and dynamic code PowerShell remoting PowerShell workflows PowerShell Jobs Errors and exceptions Debugging Working with providers,

files, and CIM Working with .NET and events Desired State Configuration Classes in PowerShell The PowerShell and runspace APIs Appendix - PowerShell 6.0 for Windows, Linux, and MacOS 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. 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. Packed with more than 300 sample scripts and an extensive collection of library functions, this essential scripting book is the most thorough guide to Windows scripting and PowerShell on the market. You'll examine how Windows scripting is changing the face of system and network administration by giving everyday users, developers, and administrators the ability to automate repetitive tasks. Plus, this is the first time that VBScript, Jscript, and Powershell are all covered in a single resource.

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.

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