

# Read Online Powershell 20 Doentation

## **Powershell 20 Doentation**

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Windows also has a slightly more powerful version of Command Prompt called PowerShell ... s not printed on your computer case or on any documentation, then you can find it by typing "wmic ...

~~20 Cool Command Line Tricks for Windows and macOS~~

If the attacker can't open up cmd or

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PowerShell, the attack breaks. That's simple enough to code, but [pmsosa] has a few more tricks up his sleeve. Duckhunter has a 'sneaky' countermeasure ...

~~Duckhunting — Stopping Rubber Ducky Attacks~~  
then enters a one-liner to fire up the reverse shell using Powershell. The process happens in under a minute, and works on all Windows versions newer than XP. With a \$20 microcontroller board you ...

~~Security Hacks~~

Originally, we were told the log file was

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changed to a PowerShell convertible event ...  
(This is spelled out in documentation.) Now,  
restart the computer. Adding that key will  
automatically ...

~~Before we get Windows 11, can Microsoft fix  
Windows 10?~~

as Microsoft has stated in documentation that  
OEMs can get permission to disable the TPM  
requirement in Windows 11 for their devices,  
the question becomes: Do you really need a  
TPM 2.0 processor ...

~~How to bypass the Windows 11 TPM 2.0~~

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### ~~requirement~~

Emphasizes advanced portions of scripting programming, testing, implementation and documentation (i.e. PERL, PHP, Python and Scripting). Other topics include language syntax data and file structures, ...

### ~~CNSA Curriculum~~

When it comes to Windows 11, Microsoft is placing all its bets on the TPM 2.0 security processor as a ... However, the Microsoft Trusted Platform (TPM) documentation and the new TpmDiagnostics.exe ...

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~~Windows 11 makes TPM Diagnostics tool its first optional feature~~

Intel has plotted out its strategy to re-take the CPU crown from AMD, and APC dives in deep to reveal just what tricks and tech Team Blue has in store for us. Plus, the hot new Nvidia RTX 3070 Ti ...

~~APC's August issue is on sale now!~~

RSSBus, Hito said, offers data providers for such diverse data sources as QuickBooks, Salesforce, SharePoint, PowerShell ... So, instead of writing reams of documentation, give them something ...

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~~SD Times Blog: RSSBus: Still really simple~~  
The deployment of this malicious update is further enabled by the fact that Kaseya documentation advises ... the REvil ransomware executes a PowerShell command that disables several important ...

~~Supply chain attack on Kaseya remote management software targets MSPs~~  
Read on for everything you need to know below. LG has not published any comprehensive documentation on exactly how LG NanoCell works. It's a bit like the secret herbs and

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spices recipe behind ...

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



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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

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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

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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

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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,

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complete with plenty of activities, examples and screenshots.

PowerShell Core for Linux Administrators Cookbook will take you through a complete tour of understanding .NET Core, PowerShell in general, PowerShell on Linux for management and automation. This book will also cover advanced concepts on how to use PowerShell and manage Docker containers, Cloud, VMware and SQL databases.

The only portable, on-the-job reference to Windows PowerShell -- handy for Windows

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system administrators who number in the hundreds of thousands.

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

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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

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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-



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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.

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Summary PowerShell and WMI is an example-driven guide for administrators managing networks of Windows servers and desktops. With 150 practical examples, including ready-to-reuse scripts and techniques, you'll learn the ins and outs of automating WMI via PowerShell v3. You'll also find deep coverage of all aspects of Windows administration, including IIS, DNS and Hyper-V. About the Technology WMI, on its own, is simply a collection of Windows management facilities. Paired with PowerShell, however, WMI becomes a brilliant toolset for automating servers, networks, and remote Windows computers. About

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the Book PowerShell and WMI is an industrial-strength guide for administrators of Windows networks, servers, and desktops. You'll start with practical overviews of PowerShell and of WMI. Then you'll explore 150 specific examples—all with ready-to-use scripts—designed to simplify your day-to-day system management. Each tested technique is configured to load as part of a PowerShell module. A set of handy appendixes includes references for PowerShell and WMI. Prior exposure to PowerShell and WMI is helpful but not required. Purchase of the print book comes with an offer of a free PDF, ePub, and

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Kindle eBook from Manning. Also available is all code from the book. What's Inside Managing Windows, IIS, and Hyper-V Remote desktops and devices Logs, jobs, and performance New PowerShell v3 WMI functionality =====  
Table of Contents PART 1 TOOLS OF THE TRADE Solving administrative challenges Using PowerShell WMI in depth Best practices and optimization PART 2 WMI IN THE ENTERPRISE? System documentation Disk systems Registry administration Filesystem administration Services and processes Printers Configuring network adapters Managing IIS Configuring a

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server Users and security Logs, jobs, and performance Administering Hyper-V with PowerShell and WMI PART 3 THE FUTURE: POWERSHELL V3 AND WMI WMI over WSMAN Your own WMI cmdlets CIM cmdlets and sessions

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,

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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

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(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,

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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

Amazon Web Services (AWS) is the leading public cloud platform. In this book you will



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learn to use Microsoft PowerShell to create, host, manage, and administer workloads using Amazon Web Services. You will learn how to create virtual machines, provision storage, configure networks, and more—all using your preferred Windows scripting language. CIOs everywhere are leading their organizations to the cloud, but there are few books available to help. This book focuses on moving Microsoft Windows workloads to the cloud using technologies familiar to enterprise Microsoft-based professionals. The completely revised and expanded Pro PowerShell for Amazon Web Services is written specifically

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for Windows professionals who already know PowerShell and want to learn to host Windows workloads on Amazon Web Services. The cloud offers information technology workers significant cost savings and agility unimaginable even just a few years ago. Tasks that traditionally took weeks of work, costing thousands of dollars, can be completed in minutes for a fraction of a penny. New chapters in this second edition cover: AWS Lambda, Amazon WorkSpaces, Amazon AppStream 2.0, AWS Directory Service, Amazon WorkDocs, and AWS System Manager. What You'll Learn Create and manage Windows servers on

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Elastic Compute Cloud (EC2) Configure and secure networks with Virtual Private Cloud (VPC) Leverage autoscaling to adjust resources as load changes Deploy and manage SQL Server using the Relational Database Service (RDS) Manage virtual desktops using WorkSpaces and AppStream Leverage AWS Systems Manager to manage Windows at scale Who This Book Is For Windows professionals who want to learn more about Amazon Web Services, with a focus on running Windows workloads and automated management at scale using PowerShell tools for AWS. The book assumes you have knowledge of Windows and PowerShell,

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but are new to AWS.

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

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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

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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

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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

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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



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

This up-to-the-minute supplement to System Center Operations Manager 2007 Unleashed brings together practical, in-depth information about System Operations Manager 2007, including major enhancements introduced with the R2 release, as well as essential information on other products and technologies OpsMgr integrates with and relies upon. Drawing on their unsurpassed

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deployment experience, four leading independent OpsMgr experts with a half dozen leading subject matter experts show how to take full advantage of new Unix/Linux cross platform extensions, Windows Server 2008 and SQL Server 2008 integration, PowerShell extensions, and much more. They also present in-depth coverage of using OpsMgr with virtualization, authoring new management packs, and maximizing availability. A detailed "OpsMgr R2 by Example" appendix presents indispensable tuning and configuration tips for several of OpsMgr R2's most important management packs. This book

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also contains the world's most comprehensive collection of OpsMgr R2 reference links. Discover and monitor Linux and Unix systems through OpsMgr with the new Cross Platform Extensions Utilize Microsoft's upgraded management packs and templates for monitoring operating systems, services, and applications Monitor your system with the Health Explorer and new Visio add-in Create OpsMgr 2007 R2 reports and queries utilizing SQL Server 2008 Understand how Windows Server 2008 and OpsMgr integrate Use PowerShell and the OpsMgr Shell to automate common management tasks Efficiently manage

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virtualized environments (Hyper-V or ESX vCenter) Author your own OpsMgr custom management packs Implement advanced high availability and business continuity management Use targeting to apply the appropriate monitoring to each component Master advanced ACS techniques for noise filtering, access hardening, and auditing

Get in-depth guidance—and inside insights—for using the Windows Sysinternals tools available from Microsoft TechNet. Guided by Sysinternals creator Mark Russinovich and Windows expert Aaron Margosis, you'll drill

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into the features and functions of dozens of free file, disk, process, security, and Windows management tools. And you'll learn how to apply the book's best practices to help resolve your own technical issues the way the experts do. Diagnose. Troubleshoot. Optimize. Analyze CPU spikes, memory leaks, and other system problems Get a comprehensive view of file, disk, registry, process/thread, and network activity Diagnose and troubleshoot issues with Active Directory Easily scan, disable, and remove autostart applications and components Monitor application debug output Generate trigger-

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based memory dumps for application troubleshooting Audit and analyze file digital signatures, permissions, and other security information Execute Sysinternals management tools on one or more remote computers Master Process Explorer, Process Monitor, and Autoruns

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