

Leveraging Wmi Scripting Using Windows Management Instrumentation To Solve Windows Management Problems Hp Technologies

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Microsoft Windows Scripting with WMI - Ed Wilson 2006

Go beyond simple queries and get the inside track on how to write system administration scripts with Windows Management Instrumentation (WMI)—straight from a Microsoft scripting expert. With labs and lessons you complete at your own pace, this definitive tutorial helps you build your scripting expertise and provides the professional guidance you need to automate Windows administrative tasks. Teach yourself how to write and run scripts to: Configure WMI—without editing the registry Audit and inventory software on local or remote desktops and servers Manage system components, including keyboards, motherboards, disk drives, and printers Monitor and report on real-time changes in system performance and respond to critical events Configure network components Test security access rights and make changes to one or multiple systems And learn how to: Test, diagnose, and resolve errors with WMI Back-up and restore the registry PLUS—Get more than 900 script samples that you can use to help simply the management of your system resources CD-ROM features: More than 900 sample scripts to adapt for your own work Time-saving scripting tools—including Script-o-Matic 2.0 and WMIcheck Fully searchable eBook A Note Regarding the CD or DVD The print version of this book ships with a CD or DVD. For those customers purchasing one of the digital formats in which this book is available, we are pleased to offer the CD/DVD content as a free download via O'Reilly Media's Digital Distribution services. To download this content, please visit O'Reilly's web site, search for the title of this book to find its catalog page, and click on the link below the cover image (Examples, Companion Content, or Practice Files). Note that while we provide as much of the media content as we are able via free download, we are sometimes limited by licensing restrictions. Please direct any questions or concerns to booktech@oreilly.com.

Dr. Dobb's Journal - 2004

Microsoft System Center Configuration Manager Field Experience - Manoj Pal 2013-10-15

Part of a series of specialized guides on System Center - this book shares real-world expertise for using Configuration Manager capabilities to deliver more effective IT services. Series editor Mitch Tulloch and a team of System Center experts provide concise technical guidance as they step you through key deployment and management scenarios.

Windows PowerShell 3.0 First Steps - Ed Wilson 2013-07-15

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)

Microsoft Windows XP Professional Resource Kit - Microsoft Windows Team 2003

"In this book you will get comprehensive guidance straight from the Microsoft Windows team. Topics covered are: plan, test and automate your deployment ; centrally manage users and network resources with Group Policy and IntelliMirror technologies ; exploit enhancements in disk, file system and device management capabilities ; manage authentication, authorization, access control and EFS ; connect clients to Windows-based networks ; configure TCP/IP, IP addressing and name resolution services ; implement Remote Desktop, remote access and mobile users support features ; and much more." - back cover.

Microsoft Windows Server 2003 Insider Solutions - Rand Morimoto 2004

Rather than being a traditional planning, design, and implementation guide, this book is a serious resource for Windows experts to find tips, tricks, and best practices for implementing and supporting key Windows Server 2003 technologies. The authors started working with Windows Server 2003 (then codename Whistler) just days after the code for Windows 2000 was locked, when most organizations were getting a first chance to see the Windows 2000 server product. With more than three years of experience working with Whistler in early beta and production implementations, the authors of this book have provided a resource to help you make Windows 2003 technologies work properly. When given a choice of different ways of implementing the technologies, you can turn to this book for the best practices of successful field implementations. This book is organized into eight parts focusing around a core technological solution area, with several chapters making up each part. Sections include security, management, design, migration, business continuity, performance, and business productivity.

Understanding WMI Scripting - Alain Lissoir 2003-03-20

Understanding WMI Scripting explains to Windows and Exchange Administrators how they can use the Windows Management Instrumentation (WMI) scriptable technology available in these products to ease their day-to-day management tasks. Under Windows.NET and Exchange 2000 (SP2), Microsoft is making solid enhancements in WMI. This will dramatically extend the scripting and manageability capabilities of Windows and Exchange. Illustrated with more than three hundred samples, the book links practical problems encountered by administrators to applicable scriptable solutions. Lissoir focuses not on MI programming aspects for developers but on how administrators can use what is available in Windows and Exchange for their admin work. WMI is a very important topic under Windows.NET and Exchange 2000 (SP2), so this book provides real added value to Windows/Exchange administrators. Although Exchange relies on Windows, no other book combines coverage of Windows and Exchange. · Fine tune management of Windows servers · Achieve better system management and customize critical operations · Access hundreds of usable scripts in book and downloadable from web

DNS on Windows Server 2003 - Matt Larson 2003-12-17

"Mastering the domain name system"--Cover.

Mastering Windows PowerShell Scripting - Brenton J.W. Blawat 2015-04-27

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.

Understanding WMI Scripting - Alain Lissour 2003-02-14

Understanding WMI Scripting explains to Windows and Exchange Administrators how they can use the Windows Management Instrumentation (WMI) scriptable technology available in these products to ease their day-to-day management tasks. Under Windows.NET and Exchange 2000 (SP2), Microsoft is making solid enhancements in WMI. This will dramatically extend the scripting and manageability capabilities of Windows and Exchange. Illustrated with more than three hundred samples, the book links practical problems encountered by administrators to applicable scriptable solutions. Lissour focuses not on MI programming aspects for developers but on how administrators can use what is available in Windows and Exchange for their admin work. WMI is a very important topic under Windows.NET and Exchange 2000 (SP2), so this book provides real added value to Windows/Exchange administrators. Although Exchange relies on Windows, no other book combines coverage of Windows and Exchange. · Fine tune management of Windows servers · Achieve better system management and customize critical operations · Access hundreds of usable scripts in book and downloadable from web

DNS on Windows Server 2003 - Cricket Liu 2003-12-17

While computers and other devices identify each other on networks or the Internet by using unique addresses made up of numbers, humans rely on the Domain Name System (DNS), the distributed database that allows us to identify machines by name. DNS does the work of translating domain names into numerical IP addresses, routing mail to its proper destination, and many other services, so that users require little or no knowledge of the system. If you're a network or system administrator, however, configuring, implementing, and maintaining DNS zones can be a formidable challenge. And now, with Windows Server 2003, an understanding of the workings of DNS is even more critical. DNS on Windows Server 2003 is a special Windows-oriented edition of the classic DNS and BIND, updated to document the many changes to DNS, large and small, found in Windows Server 2003. Veteran O'Reilly authors, Cricket Liu, Matt Larson, and Robbie Allen explain the whole system in terms of the new Windows Server 2003, from starting and stopping a DNS service to establishing an organization's namespace in the global hierarchy. Besides covering general issues like installing, setting up, and maintaining the server, DNS on Windows Server 2003 tackles the many issues specific to the new Windows environment, including the use of the dnscmd program to manage the Microsoft DNS Server from the command line and development using the WMI DNS provider to manage the name server programmatically. The book also documents new features of the Microsoft DNS Server in Windows Server 2003, including conditional forwarding and zone storage in Active Directory (AD) application partitions. DNS on Windows Server 2003 provides grounding in: Security issues System tuning Caching Zone change notification Troubleshooting Planning for growth If you're a Windows administrator, DNS on Windows Server 2003 is the operations manual you need for working with DNS every day. If you're a Windows user who simply wants to take the mystery out of the Internet, this book is a readable introduction to the Internet's architecture and inner workings.

Mastering Windows Security and Hardening - Mark Dunkerley 2020-07-08

Enhance Windows security and protect your systems and servers from various cyber attacks Key Features Protect your device using a zero-trust approach and advanced security techniques Implement efficient security measures using Microsoft Intune, Configuration Manager, and Azure solutions Understand how to create cyber-threat defense solutions effectively Book Description Are you looking for effective ways to protect Windows-based systems from being compromised by unauthorized users? Mastering Windows Security and Hardening is a detailed guide that helps you gain expertise when implementing efficient security measures and creating robust defense solutions. We will begin with an introduction to Windows security fundamentals, baselining, and the importance of building a baseline for an organization. As you advance, you will learn how to effectively secure and harden your Windows-based system, protect identities, and even manage access. In the concluding chapters, the book will take you through testing, monitoring, and security operations. In addition to this, you'll be equipped with the tools you need to ensure compliance and continuous monitoring through security operations. By the end of this book, you'll

have developed a full understanding of the processes and tools involved in securing and hardening your Windows environment. What you will learn Understand baselining and learn the best practices for building a baseline Get to grips with identity management and access management on Windows-based systems Delve into the device administration and remote management of Windows-based systems Explore security tips to harden your Windows server and keep clients secure Audit, assess, and test to ensure controls are successfully applied and enforced Monitor and report activities to stay on top of vulnerabilities Who this book is for This book is for system administrators, cybersecurity and technology professionals, solutions architects, or anyone interested in learning how to secure their Windows-based systems. A basic understanding of Windows security concepts, Intune, Configuration Manager, Windows PowerShell, and Microsoft Azure will help you get the best out of this book.

Enterprise PowerShell Scripting Bootcamp - Brenton J. W. Blawat 2017-05-18

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.

Mastering Cloud Computing - Rajkumar Buyya 2013-04-05

Mastering Cloud Computing is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

BMC Control-M 7 - Qiang Ding 2012-10-10

Master one of the world's most powerful enterprise workload automation tools? BMC Control-M 7 - using

this book and eBook.

[Learn Windows PowerShell 3 in a Month of Lunches](#) - Don Jones 2012-11-22

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

Windows Server 2019 & PowerShell All-in-One For Dummies - Sara Perrott 2019-04-11

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.

[Instant Windows Powershell 3.0 Windows Management Instrumentation Starter](#) - Brenton J.W. Blawat 2013-03-26

Get to grips with a new technology, understand what it is and what it can do for you, and then get to work with the most important features and tasks. If you're a keen administrator who wishes to learn more about Windows Management Instrumentation and the use of Cmdlets, then this book is the perfect Starter guide for experienced professionals. This book combines an easy-to-learn approach with practical examples using the powerful Powershell 3.0 in Windows. This book is great for system administrators who would like to learn how to remotely manage systems utilizing PowerShell 3.0. It is assumed that you already have experience with previous versions of PowerShell but the book will provide easy-to-learn, practical examples of how to use the new features included in PowerShell 3.0.

[Enterprise PowerShell Scripting Bootcamp](#) - Brenton J.W. Blawat 2017-05-18

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.

[Microsoft Visual Studio 2015 Unleashed](#) - Lars Powers 2015-08-07

Microsoft Visual Studio 2015 empowers you to write next-generation applications for any modern environment: mobile, web, cloud, universal Windows 10/8.x, database, and beyond. This end-to-end deep dive will help working developers squeeze maximum productivity out of Microsoft's powerful new toolset. The authors combine authoritative and detailed information about Microsoft's latest IDE, with extensive insights and best practices drawn from decades of development experience. Developers will quickly get comfortable with Visual Studio 2015's updated interface, master its new capabilities, leverage its extensive new support for open standards, and discover multiple opportunities to leverage its .NET 4.6 platform and language improvements. By focusing entirely on Visual Studio 2015 Professional, the authors go deeper into Microsoft's core product than ever before. You'll find expert coverage of everything from debugging through deploying to Azure, IDE extension and automation through cross-platform mobile development. Throughout, this book's focus is relentlessly practical: how to apply Microsoft's tools to build better software, faster. Detailed information on how to... Master Visual Studio 2015's updated interface and key tools: Solutions, Projects, Browsers, Explorers, Editors, and Designers to improve productivity Develop robust cross-platform mobile apps for Windows, iOS, and Android using Apache Cordova templates for Visual Studio Use the new ASP.NET 5 to build modern web solutions that run on Windows, Mac, or Linux Develop Single Page Applications (SPAs) based on HTML5 and rich client-side JavaScript frameworks such as Knockout, AngularJS, Bootstrap, and more Accelerate cloud development with the Azure SDK, QuickStart templates, and Azure management portal Create mobile service solutions using ASP.NET Web API and WCF Streamline data development across multiple platforms with Entity Framework 7 Develop modern Microsoft Office business applications Perform robust, automated unit testing as you code, increasing your confidence in changes and refactoring Extend the VS 2015 IDE and Code Editor by creating custom, productivity-enhancing solutions Download all examples and source code presented in this book from informit.com/title/9780672337369 as they become available.

[Microsoft Windows Server 2008 R2 Administration Instant Reference](#) - Matthew Hester 2010-01-21

All your Windows Server 2008 R2 questions answered—on the spot! Get up to speed on the new features of Windows Server 2008 R2 with this indispensable guide. Designed for busy IT professionals, it's the perfect go-to resource for quick answers and real-world solutions as you administer the new server OS. You'll find easy-to-read lists, quick-reference tables, helpful thumb tabs, and much more in a handy, compact format that puts the information you need at your fingertips. Topics include: Getting started and adding roles and functionality Automating tasks Managing users, groups, directories, and the centralized desktop Handling folder security, disk management, storage, backup, and recovery Monitoring and maintaining web servers Troubleshooting IP and managing remote access Doing performance tuning and maintaining virtual servers [Hands-On Penetration Testing on Windows](#) - Phil Bramwell 2018-07-30

Master the art of identifying vulnerabilities within the Windows OS and develop the desired solutions for it using Kali Linux. Key Features Identify the vulnerabilities in your system using Kali Linux 2018.02 Discover the art of exploiting Windows kernel drivers Get to know several bypassing techniques to gain control of your Windows environment Book Description Windows has always been the go-to platform for users around the globe to perform administration and ad hoc tasks, in settings that range from small offices to global enterprises, and this massive footprint makes securing Windows a unique challenge. This book will enable you to distinguish yourself to your clients. In this book, you'll learn advanced techniques to attack Windows environments from the indispensable toolkit that is Kali Linux. We'll work through core network hacking concepts and advanced Windows exploitation techniques, such as stack and heap overflows, precision heap spraying, and kernel exploitation, using coding principles that allow you to leverage powerful Python scripts and shellcode. We'll wrap up with post-exploitation strategies that enable you to go deeper and keep your access. Finally, we'll introduce kernel hacking fundamentals and fuzzing testing, so you can discover vulnerabilities and write custom exploits. By the end of this book, you'll be well-versed in identifying vulnerabilities within the Windows OS and developing the desired solutions for them. What you will learn Get to know advanced pen testing techniques with Kali Linux Gain an understanding of Kali Linux tools and

methods from behind the scenes See how to use Kali Linux at an advanced level Understand the exploitation of Windows kernel drivers Understand advanced Windows concepts and protections, and how to bypass them using Kali Linux Discover Windows exploitation techniques, such as stack and heap overflows and kernel exploitation, through coding principles Who this book is for This book is for penetration testers, ethical hackers, and individuals breaking into the pentesting role after demonstrating an advanced skill in boot camps. Prior experience with Windows exploitation, Kali Linux, and some Windows debugging tools is necessary

Microsoft System Center Introduction to Microsoft Automation Solutions - Rob Costello 2014-12-02

This book provides you with an introduction to the Microsoft automation solutions: Azure Automation and Service Management Automation. Throughout the chapters, the text explores these tools and how they can be used to meet the automation needs of your Microsoft Azure cloud solutions or your enterprise datacenter environments. We provide considerations on the features of each solution, and how they can be architected to fit your needs. Next, the text explores the interfaces you will use to interact with the solutions, including the web-based portals, Windows PowerShell command-line interaction, and programmatic access via the web services. The text then covers how you implement and manage automation using runbooks, assets, and Integration Modules, along with how you can use a source control system to manage runbook content. Finally, some examples of automation scenarios are discussed, providing you with samples that can be used to speed development in your own solution.

Internet Information Services (IIS) 7.0 Resource Kit - Mike Volodarsky 2008-03-05

Get the definitive reference for deploying, managing, and supporting Internet Information Services (IIS) 7.0. This official Microsoft RESOURCE KIT provides comprehensive information and resources from Microsoft IIS Team experts who know the technology best. IIS, a service within the Windows Server 2008 operating system, enables users to easily host and manage Web sites, create Web-based business applications, and extend file, print, media, and communication services to the Web. This RESOURCE KIT provides everything you need to know about IIS architecture, migrating servers and applications, capacity planning, performance monitoring, security features, top administration and troubleshooting scenarios, and IIS best practices. You also get an essential toolkit of resources on CD, including scripts, job aids, and a fully searchable eBook. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

[MSDN Magazine](#) - 2003

High Availability - Floyd Piedad 2001

A best practices guide to the people and process issues associated with maximizing application availability. Focus is on how enterprises can design systems that are easier to maintain.

Microsoft System Center 2012 Endpoint Protection Cookbook - Andrew Plue 2012-10-04

Over 50 simple but incredibly effective recipes for installing and managing System Center 2012 Endpoint Protection in this book and e-book.

Leveraging WMI Scripting - Alain Lissour 2003-04-30

Aims to delve deep into Windows Management Instrumentation (WMI) to understand the manageable entities of the Windows world. This book offers a structured description of the important WMI providers available from Windows NT 4.0 to Windows Server 2003 (including Windows 2000 and Windows XP).

Rootkits and Bootkits - Alex Matrosov 2019-05-07

Rootkits and Bootkits will teach you how to understand and counter sophisticated, advanced threats buried deep in a machine's boot process or UEFI firmware. With the aid of numerous case studies and professional research from three of the world's leading security experts, you'll trace malware development over time from rootkits like TDL3 to present-day UEFI implants and examine how they infect a system, persist through reboot, and evade security software. As you inspect and dissect real malware, you'll learn: • How Windows boots—including 32-bit, 64-bit, and UEFI mode—and where to find vulnerabilities • The details of boot process security mechanisms like Secure Boot, including an overview of Virtual Secure Mode (VSM) and Device Guard • Reverse engineering and forensic techniques for analyzing real malware, including bootkits like Rovnix/Carberp, Gapz, TDL4, and the infamous rootkits TDL3 and Festi • How to perform

static and dynamic analysis using emulation and tools like Bochs and IDA Pro • How to better understand the delivery stage of threats against BIOS and UEFI firmware in order to create detection capabilities • How to use virtualization tools like VMware Workstation to reverse engineer bootkits and the Intel Chipsec tool to dig into forensic analysis Cybercrime syndicates and malicious actors will continue to write ever more persistent and covert attacks, but the game is not lost. Explore the cutting edge of malware analysis with Rootkits and Bootkits. Covers boot processes for Windows 32-bit and 64-bit operating systems.

The British National Bibliography - Arthur James Wells 2005

Windows PowerShell 2 For Dummies - Steve Seguis 2009-07-08

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 7 for IT Professionals - Thomas Lee 2020-12-22

Take advantage of everything Microsoft's new PowerShell 7 has to offer PowerShell 7 for IT Pros is your guide to using PowerShell 7, the open source, cross-platform version of Windows PowerShell. Windows IT professionals can begin setting up automation in PowerShell 7, which features many improvements over the early version of PowerShell Core and Windows PowerShell. PowerShell 7 users can enjoy the high level of compatibility with the Windows PowerShell modules they rely on today. This book shows IT professionals—especially Windows administrators and developers—how to use PowerShell7 to engage in their most important tasks, such as managing networking, using AD/DNS/DHCP, leveraging Azure, and more. To make it easy to learn everything PowerShell 7 has to offer, this book includes robust examples, each containing sample code so readers can follow along. Scripts are based on PowerShell 7 running on Windows 10 19H1 or later and Windows Server 2019. • Learn to navigate the PowerShell 7 administrative environment • Use PowerShell 7 to automate networking, Active Directory, Windows storage, shared data, and more • Run Windows Update, IIS, Hyper-V, and WMI and CIM cmdlets within PowerShell 7 • Understand how to handle reporting in the new PowerShell 7 environment PowerShell 7 for IT Pros provides exclusive coverage of using PowerShell with both cloud-based systems and virtualized environments (Hyper V and Azure). Written by PowerShell veteran Thomas Lee, this is the only book you'll need to get started with PowerShell 7.

Microsoft VBScript Step by Step - Ed Wilson 2006-11-29

Get guidance from a well-known scripting expert—and teach yourself the fundamentals of Microsoft Visual Basic Scripting Edition (VBScript). This tutorial delivers hands-on, self-paced learning labs to help you get started automating Microsoft Windows administration—one step at a time. Discover how to: Manage folders and files with a single script Configure network components with Windows Management Instrumentation Administer users and groups using subroutines and Active Directory Service Interfaces (ADSI) Design logon scripts to configure and maintain user environments Monitor and manage network printers Back up and edit the registry—avoiding common pitfalls Handle errors and troubleshoot scripts Simplify administration for Microsoft Exchange Server 2003 and Internet Information Services 6.0 Includes a CD featuring: All practice exercises 100+ sample scripts to adapt for your own work For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

[Dr. Dobb's Journal of Software Tools for the Professional Programmer](#) - 2003

Windows PowerShell 2.0 Bible - Thomas Lee 2011-09-26

Here's the complete guide to Windows PowerShell 2.0 for administrators and developers. Windows PowerShell is Microsoft's next-generation scripting and automation language. This comprehensive volume provides the background that IT administrators and developers need in order to start using PowerShell automation in exciting new ways. It explains what PowerShell is, how to use the language, and specific ways to apply PowerShell in various technologies. Windows PowerShell is Microsoft's standard automation tool and something that every Windows administrator will eventually have to understand; this book provides the background necessary to apply PowerShell automation. Covers how to use the language and specific ways to apply PowerShell in a variety of scenarios. Addresses new features in the latest version of PowerShell and the additional functionality delivered by new products that provide direct or indirect ways to use PowerShell for scripting and automation purposes. Explores the language fundamentals and how to use PowerShell for desktop, server, server application, and virtualization/cloud situations. This thorough guide goes well beyond theory to offer real-world information and new scripting techniques, enabling administrators and developers to make the most of PowerShell 2.0.

Windows PowerShell 3.0 Step by Step - Ed Wilson 2013-02-15

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, time-saving 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.

PowerShell: Automating Administrative Tasks - Michael Shepard 2017-02-24

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.

Microsoft Windows Server 2003 - Rand Morimoto 2006

"This book covers the planning, design, prototype testing, implementation, administration, and support of Windows 2003 and Active Directory as well as the security aspects of protecting an organization from external and internal attacks. Additionally, this book addresses the design and implementation of DNS, WINS, DHCP, and Global Catalog Servers that make up the backbone of an Active Directory implementation." -- back cover.

Windows PowerShell in Action - Bruce Payette 2011

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

Windows Server Automation with PowerShell Cookbook - Thomas Lee 2021-07-30

This cookbook will help you gain command of PowerShell 7.1 to manage the core roles, features, and services within Windows Server 2022 and 2019. Thomas Lee provides an expansive view of the functionality made possible in PowerShell's latest major release.