

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

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JIMENEZ TAPIA

[Workflow Automation Made Easy](#) Packt Publishing Ltd

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.

[Insiders Guide to Microsoft's Hypervisor](#) Pearson Education

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.

[Professional Developer's Guide](#) Addison-Wesley Professional

Hyper-V is one of the top virtualization products, and this practical guide focuses on the essentials of Windows Server 2008 Hyper-V. Written by the Microsoft team behind the Hyper-V product, this book shows you how to perform key virtualization scenarios, such as server consolidation, software test and development, and a dynamic data center and demonstrates how Hyper-V can be used to reduce cost and eliminate the complexity of a server infrastructure by consolidating workloads to a small number of machines. In addition, the material addresses using DPM, and SCOM with VMM in order to maintain and manage Hyper-V environments.

[Core Requirements : Self-paced Training Kit](#) John Wiley & Sons

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.

[Insiders Guide to Microsoft's Hypervisor](#) Packt Publishing Ltd

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.

[Dr. Dobb's Journal of Software Tools for the Professional Programmer](#) "O'Reilly Media, Inc."

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. [Windows Server 2008 Hyper-V](#) John Wiley & Sons

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

environments so that you can head out for an early lunch. You'll learn how to:

- Combine commands, control flow, handle errors, write scripts, run scripts remotely, and test scripts with the PowerShell testing framework, Pester
- Parse structured data like XML and JSON, work with common domains (like Active Directory, Azure, and Amazon Web Services), and create a real-world server inventory script
- Design and build a PowerShell module to demonstrate PowerShell isn't just about ad-hoc scripts
- Use PowerShell to create a hands-off, completely automated Windows deployment
- Build an entire Active Directory forest from nothing but a Hyper-V host and a few ISO files
- Create endless Web and SQL servers with just a few lines of code! Real-world examples throughout help bridge the gap between theory and actual system, and the author's anecdotes keep things lively. Stop with the expensive software and fancy consultants. Learn how to manage your own environment with PowerShell for Sysadmins and make everyone happy. Covers Windows PowerShell v5.1

Introducing Microsoft Windows Server 2003 John Wiley & Sons

Windows Server 2003 Security Infrastructures is a must for anyone that wants to know the nuts and bolts of Windows Server 2003 security and wants to leverage the operating system's security infrastructure components to build a more secure I.T. infrastructure. The primary goal of this book is to provide insights into the security features and technologies of the Windows Server 2003 operating system. It also highlights the security principles an architect should remember when designing an infrastructure that is rooted on the Windows Server 2003 OS. *Explains nuts and bolts of Windows Server 2003 security *Provides practical insights into how to deploy and administer secure Windows Server 2003 infrastructures *Draws on the experience of a lead consultant in the Microsoft security area

A Guide to Windows Management Instrumentation John Wiley & Sons

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 Pearson Education

Well respected, practical reference guide to Microsoft Windows Server 2003 that now covers the "R2" update.

For Windows Vista, Windows 2003, Windows XP, and Windows 2000 Sams Publishing

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.

Understanding WMI Scripting "O'Reilly Media, Inc."

Provides instructions for automating Windows 2000 administrative tasks using scripting techniques in order to complete routine tasks in core administration areas.

Packt Publishing Ltd

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.

Exploiting Microsoft's Windows Management Instrumentation in Mission-Critical Computing Infrastructures Packt Publishing Ltd

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

• Ap Psychology Unit 1 Study Guide Pdf : [click here](#)

Covers topics including upgrading to Windows Server 2003, networking, Internet Information Services, XML Web services, security, storage management, clustering services, and multilingual support.

Using Windows Management Instrumentation to Solve Windows Management Problems Sams Publishing

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.

Windows PowerShell Unleashed Sams Publishing

Presenting a fully updated resource for Windows Vista that shows you how best to use Group Policy in order to take full advantage of Active Directory and create a managed desktop environment. You'll learn details about the GPMC, Group Policy troubleshooting techniques, and configuring Group Policy to create a resilient desktop environment. You'll also discover how to create and manage ADMX files and leverage the Group Policy Central Store as well as deploy Office 2007, Office 2003, and more using Group Policy Software Installation.

Software Tools for the Professional Programmer Elsevier

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.

One-stop guide to automating administrative tasks Pearson Education

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

Leveraging WMI Scripting Microsoft Press

Covers the installation and components of WMI, its interactions and subsystems, query language facilities, class schemas, method design, and developing management and .NET management applications.

Automating System Administration Microsoft Press

Learn to automate the top server operating system, Windows Server 2008 R2 Windows PowerShell 2.0 allows you to automate nearly any task for managing Windows Server, going from dozens of clicks to a single command, and repeated tasks to automated tasks. Using screen shots and helpful exercises, this book walks you through the many benefits of automating Windows Server with PowerShell 2.0, such as allowing for scalable, flexible, and rapid deployments and changes; increasing cost effectiveness; providing a timely return on IT investment; lowering labor headcount; creating secure computing environments; and establishing reliable enterprise infrastructures. In addition, real-world examples provide reinforced learning, aimed at ensuring that you work as efficiently and effectively as possible by automating both simple and complex administrative tasks with Powershell 2.0. Explains how to automate both simple and complex tasks in Windows Server 2008 R2 with Powershell 2.0 Addresses how Windows Server 2008 R2 comes with more than 550 cmdlets, allowing you to automate nearly anything Offers numerous real-world examples, end-of-chapter exercises, and helpful screen shots to reinforce your learning process The power is in your hands! Start working smarter, not harder, by automating Windows Server 2008 R2 tasks with Powershell 2.0.