

## Microsoft® Windows® 2000 Scripting Guide (One Offs)

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

***Provides information on writing and running scripts using Windows PowerShell to automate and manage Windows Server 2008 and Windows Vista.***

***If you do systems administration work of any kind, you have to deal with the growing complexity of your environment and increasing demands on your time. Automating System Administration with Perl, Second Edition, not only offers you the right tools for your job, but also suggests the best way to approach specific problems and to securely automate recurring tasks. Updated and expanded to cover the latest operating systems, technologies, and Perl modules, this edition of the "Otter Book" will help you: Manage user accounts Monitor filesystems and processes Work with configuration files in important formats such as XML and YAML Administer databases, including MySQL, MS-SQL, and Oracle with DBI Work with directory services like LDAP and Active Directory Script email protocols and spam control Effectively create, handle, and analyze log files Administer network name and configuration services, including NIS, DNS and DHCP Maintain, monitor, and map network services, using technologies and tools such as SNMP, nmap, libpcap, GraphViz and RRDtool Improve filesystem, process, and network security This edition includes additional appendixes to get you up to speed on technologies such as XML/XPath, LDAP, SNMP, and SQL. With this book in hand and Perl in your toolbox, you can do more with less -- fewer resources, less effort, and far less hassle.***

***A technical expert offers critical information on using the scripting tool that is native to Windows NT/2000 and designed to automate Windows applications and administrative tasks.***

***The Administrator's Guide to SharePoint Portal Server 2001***

***Managing Windows with VBScript and WMI***

***Windows PowerShell Scripting Guide***

***i-Net+ Study Guide***

***Administrator's Guide to Active Directory***

This is the most thorough guide available to SharePoint's Portal Server, the newest of Microsoft's Enterprise Servers.

Windows PowerShell is a scripting language that simplifies

Windows system administration. PowerShell in Practice is a hands-on reference for administrators wanting to learn and use

PowerShell. Following the "in Practice" style, individual

related techniques are clustered into chapters. Each technique is presented in the form: problem, solution, discussion, and

includes annotated code listings. Written to answer the question

"How can PowerShell make my job as an administrator easier?"

this book concentrates on practical tasks and automation.

Starting with an a brief tutorial and review, the majority of

the book focuses on two major PowerShell usage areas: People -

user accounts, mailboxes, desktop configuration; and Servers -

Active Directory, Exchange, IIS, and more. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Covers installation, configuration, Registry manipulation, network management, Active Directory, and security

Inequality in Education: Comparative and International Perspectives is a compilation of conceptual chapters and national case studies that includes a series of methods for measuring education inequalities. The book provides up-to-date scholarly research on global trends in the distribution of formal schooling in national populations. It also offers a strategic comparative and international education policy statement on recent shifts in education inequality, and new approaches to explore, develop and improve comparative education and policy research globally. Contributing authors examine how education as a process interacts with government finance policy to form patterns of access to education services. In addition to case perspectives from 18 countries across six geographic regions, the volume includes six conceptual chapters on topics that influence education inequality, such as gender, disability, language and economics, and a summary chapter that presents new evidence on the pernicious consequences of inequality in the distribution of education. The book offers (1) a better and more holistic understanding of ways to measure education inequalities; and (2) strategies for facing the challenge of inequality in education in the processes of policy formation, planning and implementation at the local, regional, national and global levels.

PowerShell in Practice

Automating System Administration

Windows 7 and Vista Guide to Scripting, Automation, and Command Line Tools

Using VBScript, WMI, and ADSI to Automate Windows Administration Exam 70-214

**The Group Policy Management Console (GPMC) is a dramatic step forward in the way Group Policy is administered. This book provides all the instruction and insight you need to take full control of your Active Directory with GPMC and other Group Policy tools. You'll also learn techniques for implementing IntelliMirror, making it possible for users to work securely from any location; and you'll find intensive troubleshooting advice, insider tips on keeping your network secure, and hundreds of clear examples that will help you accomplish all your administration goals. You will learn to: Create and manage all Group Policy functions within Active**

**Directory Understand Group Policy differences in Windows 2000, Windows XP, and Windows 2003 systems Troubleshoot Group Policy using Support tools, Resource Kit utilities, log files, registry hacks, and third-party tools Create and deploy custom settings for managing client systems Manage, secure, and audit client and server systems Script complex operations, including linking, back-up, restore, permissions changes, and migrating Set up Local, Roaming, and Mandatory profiles Set up and manage IntelliMirror components with Group Policy Use Group Policy Software Installation to perform hands-off installations Use Remote Installation Services to automate the installation of new Windows systems Ensure the safety of your users' data with Redirected Folders and Shadow Copies About the Series The Mark Minasi Windows Administrator Library is designed to equip system administrators with in-depth technical solutions to the many challenges associated with administering Windows in an enterprise setting. The series editor is leading Windows NT/2003 expert Mark Minasi, who selects the topics and authors and develops and reviews each book to ensure that every entry in the series meets your needs and helps you achieve your goals.**

**If you're a Windows administrator, scripting expertise can liberate you from boring, repetitive work—so you can take on the sophisticated, high-value projects you really want. Top scripting guru Don Jones has written the definitive administrator's guide to getting results with Microsoft's key scripting technologies: VBScript, WMI, and ADSI. Jones draws on his unsurpassed experience training Windows administrators in conferences, classes, and from his enormously popular site, ScriptingAnswers.com. You'll learn how to use VBScript, WMI, and ADSI to gain administrative control over nearly every aspect of every recent Windows server or client, including Windows Server 2003, Vista, XP, 2000, and NT. As you gain experience, Jones introduces more advanced techniques, ranging from modular scripting and script encryption to integrating VBScript with HTML code. Jones concludes with a full section of ready-to-run, real-world examples—from logon/logoff scripts to automated domain and network administration, from querying WMI to creating Active Directory groups. Every script is explained line-by-line, with challenging techniques described in even greater detail. Targeting IT professionals, system administrators, and experienced users moving to the Windows XP platform, this**

**book enables the user to master registry concepts and architecture, provides a historical overview of the registry, and outlines the differences between Windows 9x/ME and Windows NT/2000/XP registries. Special attention is drawn to the enhancements in registry architecture introduced with Windows XP, such as faster queries and removal of the registry size limitation. Covered in depth are how to properly use registry features, how to plan and implement the most appropriate registry backup strategy, and how to monitor and modify the system registry according to the administrative requirements and individual needs of the users.**

**A guide for administrators and professional users of a Windows 2000 network offers an overview of the Active Directory, Kerberos authentication, and other new additions to Windows 2000**

**Windows Script Host**

**The Complete Idiot's Guide to Microsoft Windows 2000 Server Tools to Make You More Efficient**

**Microsoft Windows Script Host 2.0 Developer's Guide**

**Microsoft Windows Shell Scripting and WSH Administrator's Guide**

*\* This will be the only complete virtualization reference on the market; brings all virtualization technologies together \* Microsoft has shifted its training strategy to include virtual machine technology in all new ALS/MOC courses, which leads to high demand for knowledge about this technology \* Covers both Microsoft and Linux environments*

*A thorough introduction to the Windows scripting facilities explains how to use the new features to automate common system and network management tools, offering a tutorial in Windows Scripting Host, Active Directory Services, and basic COM/ActiveX interfaces, accompanied by a helpful library of more than two hundred ready-to-use scripts. Original. (Intermediate)*

*Windows administrators can accomplish many of their routine tasks much more quickly by using the command line (similar to the command line of DOS or Unix-based systems) than by going through the graphical user interface that most users associate with Windows. Windows 2000 Commands Pocket Reference documents the Windows command mode. It's designed for system administrators, but will also be valuable to many users. It includes most available Windows 2000 commands, as well as the most useful system administration command-line utilities from the Resource Kit. Weeded out of this book are Windows commands and command options that are obscure, obsolete, broken, unacceptably insecure, or frankly inadvisable, as well as a few special-purpose classes of commands. Whenever several utilities perform essentially identical tasks, we include only the best of them. Commands are grouped according to their purpose and function; within a group, commands are arranged alphabetically. Options for each command are grouped by function and ordered by importance. The Windows 2000 Commands Pocket Reference complements Windows 2000 Administration in a Nutshell by conveying the kind of no-nonsense, boiled-down information*

*typical of O'Reilly's highly successful companion Pocket Reference series. It's a valuable, concise reference to Windows 2000 commands and command-line utilities.*

*& Published under the direction of Series Editor Ed Tittel, the leading authority on certification and the founder of The Exam Cram Method series & CD-ROM features PrepLogic Practice Tests & Exam Cram 2 is Cramsession Approved Study Material*

*The Administrator Shortcut Guide to VB Scripting for Windows*

*Windows .NET Server 2003 Domains & Active Directory*

*MS SQL Server 2008 Adm PC\_p2*

*Implementing and Administering Security in a Windows 2000 Network*

*Group Policy, Profiles, and IntelliMirror for Windows 2003, Windows XP, and Windows 2000*

Windows Script Host (WSH) is a powerful, flexible tool for automating recurring PC tasks, 'Microsoft Windows Script Host 2.0 Developer's Guide' is a complete guide to using WSH to unlock the power and performance of your PC through automation. It's packed with details about all major features of WSH, plus related topics such as how to extend WSH features with custom ActiveX components and how to access other Automation objects. It also provides in-depth information on how to use WSH with two popular scripting languages- Microsoft Visual Basic, Scripting Edition (VBScript), and Microsoft JScript. This book is ideal for anyone who works with automation scripts- from the programming novice who wants to learn the basics to the adept scripter who creates scripts in Perl, Python, TCL, or other scripting languages.

This practical reference guide offers hundreds of useful tasks for managing Windows 2000 and Windows Server 2003, Microsoft's latest and greatest server. Through concise, on-the-job solutions to common problems, Windows Server Cookbook for Windows Server 2003 & Windows 2000 is certain to save you hours of time searching for answers. Now, instead of dredging reams of Microsoft documentation or browsing its unstructured knowledge base to figure out a particular issue--such as how to compare registry values between two hosts--you can simply reference the index of Windows Server Cookbook for Windows Server 2003 & Windows 2000. From there, you'll be directed to the exact trouble-shooting recipe they need. As the newest title in O'Reilly's popular Cookbook series, this book covers a wide range of issues that you are likely to face in your daily management of the Windows Server operating system. This includes how to deal with: files event logs DNS DHCP security the registry backup/restore One of the book's key benefits is the presentation of solutions in three different recipe formats. Depending on preference, you can solve most problems with the graphical user interface, the command line, or by using scripts. Where appropriate, all three solutions are presented for each recipe in this book. Each recipe also includes a detailed discussion that explains how and why it works. Windows Server Cookbook for Windows Server 2003 & Windows 2000 is written for all levels of system administrators on Windows servers. If you're a relatively new user with only a rudimentary understanding of the job, the book can open your eyes to the many possibilities that await. And if you're an advanced user, it can serve as a useful reference and memory-jogger. Download the code examples from this book. The complete set of examples is available at: <http://www.rallenhome.com/books/winsckbk/code.html>. 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

The first book on the market intended as an introduction to WMI, with the goal of developing the reader's ability to write scripts independently. The book includes a large number of "ready to use" scripts, which can be implemented as they appear and customized with few changes. Through easy to read presentations of programming concepts and examples, the reader becomes familiar with XML standards. Each Script simplifies daily administrative tasks or allows for substituting third party programs for in-house ones. The scripts included in the repository start with the most basic ones; the complexity of the scripts increases dramatically toward the end of the book to satisfy the needs of readers with more advanced skills and requirements.

Developing WMI Solutions

Understanding WMI Scripting

Windows Server Cookbook

WMI Essentials for Automating Windows Management

Microsoft Windows 2000 Scripting Guide

**From the author and series editor of the immensely popular ADMINISTRATOR'S POCKET CONSULTANT series from Microsoft Press-this pocket-size guide delivers fast, accurate answers on the spot for IT professionals. Microsoft SQL Server 2008 Administrator's Pocket Consultant, 2nd Edition is the ideal concise, immediate reference you'll want with you at all times as you deal with Microsoft SQL Server 2008 and SQL Server 2008 R2 administration. Whether you handle administration for 50 users or 5000, this hands-on, fast answers guide focuses on what you need to do to get the job done quickly. With extensive easy-to-read tables, lists, and step-by-step instructions, it's the portable, readable guide that you consistently save you time and minimize system downtime by giving you the right information right now. Get fast facts to: Plan, deploy, and configure SQL Server 2008 R2 Administer server and surface security, access, and network configuration Import, export, transform, and replicate data Use SQL Server Management Studio for core administrative tasks Manipulate schemas, tables, indexes, and views Automate maintenance and implement policy-based management Monitor server activity and**

tune performance Manage log shipping and database mirroring Perform backups and recovery

Get expert guidance on how to use scripting to automate Windows system administration--straight from the Microsoft scripting experts. This title features hands-on, self-paced learning exercises, timesaving tips, and sample scripts to help readers get more done in less time.

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.

The definitive guide to scripting for all Windows administrators helps them to simplify their work and make their network more secure. Jones demystifies scripting, showing how VBScript and WMI can help ease repetitive or complex tasks. Based on the author's years of experience teaching and training, the book covers Windows NT, Windows 2000, Windows XP, and Windows 2003.

Exam IK0-002

Windows 2000 Essential Reference

From the Desktop to the Enterprise

Mark Minasi Windows Administrator Library

A Guide to Windows Management Instrumentation

Explains how to automate tasks on Windows operating systems and local area networks with scripts. The author first describes the syntax and rules for writing shell scripts before introducing the Windows script host (WSH). Topics include variable manipulation, conditional logic, iterative processing,

Demonstrates the updated features of Microsoft Windows 2000 Server technology, covering installation, configuration, applications, troubleshooting, and security

Intended for system administrators with a general knowledge of Windows 2000 or Windows XP/.NET, this reference covers all main system tools and program methods used for routine Active Directory administration and troubleshooting. Information important for understanding the Active Directory service architecture—LDAP protocol, DNS interoperability, and Active Directory concepts—is discussed in detail along with methods of performing common administrative tasks such as creating directory objects, audit, and backing up. This guide addresses troubleshooting

problems that occur after deploying Windows .NET domains and system tools used for solving such problems. Also covered are Active Directory Service Interfaces with annotated listings of ready-to-use scripts that illustrate programming principles needed to help nonprogrammers learn the main ADSI concepts to begin their own scripts.

When Microsoft introduced Windows 2000, the most important change was the inclusion of Active Directory. With many great benefits, it continues to be a huge headache for network and system administrators to design, implement and support. The first edition of this book, O'Reilly's best-selling *Windows 2000 Active Directory*, eased their pain considerably. Now titled *Active Directory, 2nd Edition*, this book provides system and network administrators, IT professionals, technical project managers, and programmers with a clear, detailed look at Active Directory for both Windows 2000 and Windows Server 2003. The upgraded Active Directory that ships with Windows Server 2003 has over 100 new and enhanced features and once again, O'Reilly has the answers to puzzling questions. While Microsoft's documentation serves as an important reference, *Active Directory, 2nd Edition* is a guide to help the curious (and weary) understand the big picture. In addition to the technical details for implementing Active Directory, several new and significantly enhanced chapters describe the numerous features that have been updated or added in Windows Server 2003 along with coverage of new programmatic interfaces that are available to manage it. After reading the book you will be familiar with the Lightweight Directory Access Protocol (LDAP), multi-master replication, Domain Name System (DNS), Group Policy, and the Active Directory Schema, among many other topics. Authors Robbie Allen and Alistair G. Lowe-Norris are experienced veterans with real-world experience. Robbie is a Senior Systems Architect in the Advanced Services Technology Group at Cisco Systems. He was instrumental in the deployment and automation of Active Directory, DNS and DHCP at Cisco, and is now working on network automation tools. Alistair is an enterprise program manager for Microsoft U.K. and previously worked for Leicester University as the project manager and technical lead of the Rapid Deployment Program for Windows 2000. *Active Directory, 2nd Edition* will guide you through the maze of concepts, design issues and scripting options enabling you to get the most out of your deployment.

## **Active Directory**

### **A System Administrator's Guide**

### **Using Microsoft Windows 2000 Professional**

### **Windows 2000 Commands Pocket Reference**

### **Microsoft SQL Server 2008 Administrator's Pocket Consultant**

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.

The most comprehensive book on the market, *Windows Scripting*

Secrets uncovers the never-before-documented features and hidden system functions that make the new Windows Scripting Host a more powerful tool. The book includes more than 200 ready-to-use scripts, and the CD-ROM contains ready-to-use libraries and examples from the book, as well as numerous scripting tools. A few of the insights inside include \* Kick-starting WSH and VBScripts \* "Kidnapping" and creating COM objects \* Tweaking your Registry, and monitoring system status \* Powering up with Kodak Imaging \* Running a Windows network with ADSI scripts You can automate almost any system task or enhance your current functionality using the scripting solutions detailed here. From the CD-ROM, sample more than 450 scripts, or try looking for an answer in the fully searchable electronic version of the book. Here's the book you need to prepare for CompTIA's i-Net+ Exam. This Sybex Study Guide provides: Full coverage of every exam objective Practical information on network hardware Hundreds of challenging review questions, in the book and on the CD Leading-edge exam preparation software, including a testing engine and electronic flashcards Authoritative coverage of all exam objectives, including: Internet Basics Web Site Development Performance Monitoring Networking Fundamentals Internet Security E-Business Concepts Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

THE ONLY HANDS-ON, UP-TO-DATE GUIDE TO VBSCRIPT, THE WINDOWS COMMAND LINE, AND WINDOWS POWERSHELL Windows 7 and Vista contain state-of-the-art tools for streamlining or automating virtually any system management task. If you're a power user, administrator, or developer, these tools can help you eliminate repetitive work and manage your systems far more reliably and effectively. Renowned Windows expert Brian Knittel brings together the practical knowledge you need to use all these tools, including VBScript and Windows Scripting Host (WSH), traditional batch files, the advanced PowerShell command console, and more. Using plenty of examples, Knittel explains how each tool works, and how to solve real-world problems with them. You'll master techniques ranging from accessing files to manipulating the Registry, sending automated emails to configuring new users. Knittel also provides concise, handy references to Windows 7/Vista's command line, GUI scripting, and object-based management tools. The only single-source guide to all leading methods of Windows scripting and automation, this book will help you get far more done-in far less time!

Understand Windows Scripting Host (WSH) and the modern Windows scripting environment Script objects with VBScript, JScript, ActivePerl, and ActivePython Read and write files, including XML and HTML files Manipulate programs and shortcuts Manage network,

printer, and fax connections Make the most of PowerShell under Windows 7 and Vista Monitor and administer Windows systems with Windows Management Interface (WMI) Use ADSI to control Active Directory and Microsoft Exchange, and manage users more efficiently Avoid mistakes that can compromise script security Use Windows' debugging tools to test and troubleshoot scripts Develop batch files that take full advantage of the command line Send faxes and email messages from scripts with Windows Fax and Collaboration Data Objects (CDO) Deploy your scripts throughout your organization Brian Knittel has been a software developer for more than 30 years. He has coauthored five titles in Que's Special Edition Using series, covering Microsoft Windows Vista, XP, and 2000. He is also author of Windows XP Under the Hood, and coauthor of Upgrading and Repairing Windows (with Scott Mueller).

Automating System Administration with Perl

Windows Scripting Secrets

PC Troubleshooter Resource Guide

VBScript, WMI, and ADSI Unleashed

For Windows Server 2003 & Windows 2000

This authoritative, comprehensive guide is your bible to Windows 2000 scripting. Written for people at all levels of technological know-how, it may be used as a reference book or a tutorial. You'll appreciate the step-by-step instructions and clear explanations enhanced by icons, charts, and hundreds of screenshots. The tips, insights, and shortcuts that appear in each chapter will help you to

- \* Automate most network routines.
- \* Master VBScript and JScript essentials.
- \* Learn the ins and outs of scripting engines and the Windows Scripting Host architecture.
- \* Read or write to files, manage drives and printers, configure menus, and work with the Registry.
- \* Save time with scripts for network tasks, logon/logoff operations, and other routines.
- \* Use Active Directory Services scripting to manage accounts, systems, and services.
- \* Build spreadsheets, animate charts, and access databases with COM scripting.
- \* Work with library utilities to automate scripts for file management, network administration, and more.

If you're an administrator or developer using Windows or scripting technologies, you'll find techniques not published anywhere else. You'll see why the entire Bible series has such an outstanding reputation when the Windows 2000 Scripting Bible goes the distance for you. In the last few years, security has become a hot-button issue for IT organizations of all sizes. Accordingly, many of the security features that were either optional or suspect in Windows 2000 have become solid, effective fixtures in Windows Server 2003-making it the most secure operating system Microsoft has ever produced. That is, if you know how to configure it properly. The Windows Server 2003 Security Cookbook wants to make sure that you do know how. Picking up right where its predecessor, the Windows Server

Cookbook, left off, this desktop companion is focused solely on Windows Server security. It teaches you how to perform important security tasks in the Windows Server 2003 OS using specific and adaptable recipes. Each recipe features a brief description of the problem, a step-by-step solution, and then a discussion of the technology at work. Whenever possible, the authors even tell you where to look for further information on a recipe. The book is written in a highly modular format, with each chapter devoted to one or more technologies that Windows Server 2003 provides. This approach allows you to look up a task or scenario that you want to accomplish, find that page, and read that particular recipe only. Topics include: System preparation and administration Protecting the computer at the TCP/IP level Applying security options to Active Directory Improving security on domain controllers Securing DHCP controllers Encrypting and signing network traffic using IPSec Patch management If you're an intermediate or advanced system administrator who wants to feel secure when deploying Windows Server 2003 and its related services, then you don't want to be without the Windows Server 2003 Security Cookbook.

Windows Server 2003 Security Cookbook

Windows XP Registry: A Complete Guide to Customizing and Optimizing Windows XP

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

Inside Active Directory

Windows PowerShell 2.0 Best Practices