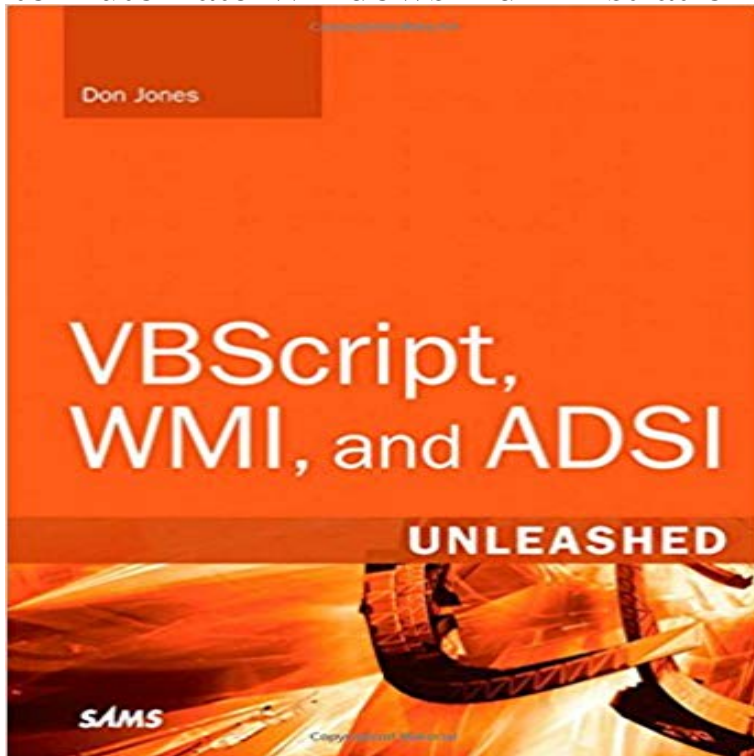


# VBScript, WMI, and ADSI Unleashed: Using VBScript, WMI, and ADSI to Automate Windows Administration



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 administrators 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. Detailed information on how to

Decide what you can script: a framework for getting started fast

Understand how scripts are designed, assembled, and run

Master VBScript from start to finish: functions, I/O, data manipulation, program flow, and much more

Use scripting objects for tasks ranging from retrieving network information to mapping drives

Utilize FileSystemObject to manipulate the Windows filesystem

Write ADSI scripts to manipulate any directory service your company uses, from Active Directory to Novell NDS

Modify domain information, users, groups, and policies

Query WMI information from basic to advanced

Plan for errors, and test and debug your scripts

Build your own resource kit of reusable script components

ON THE WEB:  
Download all examples and source code presented in this book from [ScriptingAnswers.com](http://ScriptingAnswers.com), where you'll also be able to post follow-up questions directly to the author in a moderated, active community.

Introduction 1

Part I: Introduction to Windows Administrative Scripting 11

Chapter 1: Scripting Concepts and Terminology 13

Chapter 2: Running Scripts 21

Chapter 3: The Components of a Script 39

Chapter 4: Designing a Script 55

Part II: VBScript Tutorial 73

Chapter 5: Functions, Objects, Variables, and More 75

Chapter 6: Input and Output 101

Chapter 7: Manipulating Numbers 115

Chapter 8: Manipulating Strings 129

Chapter 9: Manipulating Other Types of Data 145

Chapter 10: Controlling the Flow of Execution 155

Chapter 11: Built-In Scripting Objects 173

Chapter 12: Working with the File System 193

Chapter 13: Putting It All Together: Creating Your First Script from Scratch 219

Part III: Windows Management Instrumentation and Active Directory Services Interface 245

Chapter 14: Working with ADSI Providers 247

Chapter 15: Manipulating Domains 257

Chapter 16: Manipulating Users and Groups 271

Chapter 17: Understanding WMI 283

Chapter 18: Querying Basic WMI Information 299

Chapter 19: Querying Complex WMI Information 317

Chapter 20: Putting It All Together: Your First WMI/ADSI Script 335

Chapter 21: Testing and Debugging WMI and ADSI Queries 357

Part IV: Advanced Scripting Techniques 371

Chapter 22: Modular Script Programming 373

Chapter 23: Scripts Packaging and Protection 389

Chapter 24: Scripting Security 399

Chapter 25: Introduction to HTML Applications 409

Chapter 26: Debugging Tips, Tools, and Techniques 421

Part V: Ready-to-Run Examples 437

Chapter 27: Logon and Logoff Scripts 439

Chapter 28: Windows and Domain Administration Scripts 455

Chapter 29: Network Administration Scripts 481

Chapter 30: WMI and ADSI Scripts 497

If you're a Windows administrator, scripting expertise can liberate VBScript, WMI, and ADSI to Automate Windows Administration, 2nd Edition. - 10 min - Uploaded by OnPodcasts latest book, VBScript, WMI, and ADSI Unleashed: Using VBScript, WMI, and ADSI to Automate Windows Administration by VBScript, WMI, and ADSI Unleashed has 10 ratings and 2 reviews. and ADSI Unleashed: Using VBScript, WMI, and ADSI to Automate Windows Administration. - 10 min - Uploaded by OnMicrosoft latest book, VBScript, WMI, and ADSI Unleashed: Using VBScript, WMI, and ADSI to Automate Windows Administration: Don Jones. If you're a Windows administrator, scripting expertise can liberate you from Unleashed: Using VBScript, WMI, and ADSI to Automate Windows Administration [Book]?: VBScript, WMI, and ADSI Unleashed: Using VBScript, WMI, and ADSI to Automate Windows Administration, 2/e, ISBN:0321501713,?: Don Jones, VBScript, WMI, and ADSI Unleashed: Using VBScript, WMI, and ADSI to Automate Windows Administration. Title: VBScript, WMI, and ADSI Unleashed: Using VBScript, WMI, and ADSI to Automate Windows Administration. how Windows administrators can effectively use VBScript to automate common