

# Automating Active Directory Administration with Windows PowerShell 2.0

By Ken St. Cyr, Laura E. Hunter



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### Focused content on automating the user authentication and authorization tool for Windows environments

Automation helps make administration of computing environments more manageable. It alleviates the repetition of repeating frequent tasks and and automates just about any task for Active Directory, Windows PowerShell 2.0. Focused on everyday and frequently performed tasks, this indispensable guide provides you with the PowerShell solutions for these tasks. Solutions are presented in a step-by-step format so that you can fully grasp how the new Active Directory module for PowerShell provides command-line scripting for administrative, configuration, and diagnostic tasks.

- Walks you through the processes and tools required to automate everyday tasks
- Offers PowerShell solutions for maintaining a Windows Server 2008 R2 environment
- Includes real-world examples, explanations of concepts, and step-by-step solutions

This unique book allows you to work more efficiently and effectively and keep up with the ever-increasing demands from businesses.



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#### **Editorial Review**

From the Back Cover

Automate routine tasks with PowerShell cmdlets

Using the new PowerShell 2.0 module in Active Directory for Windows Server 2008 R2, you can manage Active Directory tasks through automation and avoid performing the same or similar tasks over and over. Learn how to automate essential areas of Active Directory, from deployment to security, with this practical guide. Designed for busy IT professionals, this book is packed with sample scripts and step-by-step instruction.

Whether you're new to PowerShell or already familiar with it, you'll learn how to save time, avoid repetition, and make your job easier. Coverage includes:

- Understanding how Active Directory and PowerShell work together
- Learning PowerShell basics—the shell, scripting, cmdlets, and more
- Managing domains, forests, sites, and replication
- Configuring Active Directory dependencies
- Working with Group Policy and other services
- Managing objects and organizational units
- Setting up and automating Active Directory security
- Backing up, recovery, and performance optimization

#### About the Author

Ken St. Cyr is a solution architect at Microsoft in the Public Sector Services CTO organization. He is a 14-year industry veteran, consulting on the design and delivery of numerous complex messaging, directory, and identity management solutions. A Microsoft Certified Master in Directory Services and Advanced Infrastructure, Ken has also written for TechNet Magazine and Windows IT Pro magazine. Laura E. Hunter is a principal technology architect with Microsoft, specializing in identity and access management technologies. She is also the?principal of LHA Consulting, Inc., with 15 years of experience in the IT industry. Laura is a six-time recipient of the?Microsoft MVP award in Windows Server System: Directory Services and a Microsoft Certified Master in Windows Server 2008 and Windows Server 2008 R2 Active Directory.

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#### **Alvin Reed:**

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