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The Sysinternals tools include more than 70 advanced diagnostic and troubleshooting tools for the Windows platform. They're available for free download from Microsoft TechNet at: www.sysinternals.com



About the Authors

Mark Russinovich is a Technical Fellow in the Windows Azure™ group at Microsoft. He is co-creator of the Sysinternals tools and website; coauthor of the classic *Windows Internals*, currently in its fifth edition; and a highly regarded expert on Windows internals and computer security.

Aaron Margosis is a Principal Consultant with Microsoft Public Sector Services. He specializes in application development on Windows platforms, with a focus on security, least privilege, and compatibility in locked-down environments.

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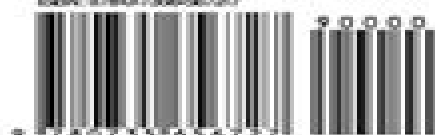
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as the Windows Sysinternals tools and more In a rush Chapter 1 Start Here gets you on the quick path to solving the problem Also covers earlier versions such as Windows 7 and Windows Server 2008 R2 **Microsoft Windows Intune 2.0** David Overton,2012-01-26 This book is a concise and practical tutorial that shows you how to plan set up and maintain Windows Intune and manage a group of PCs If you are an administrator or partner who wants to plan set up and maintain Windows Intune and manage a group of PCs then this book is for you You should have a basic understanding of Windows administration however knowledge of Windows Intune would not be required *Windows Internals, Part 1* Mark E. Russinovich,David A. Solomon,Alex Ionescu,2012-03-15 Delve inside Windows architecture and internals and see how core components work behind the scenes Led by three renowned internals experts this classic guide is fully updated for Windows 7 and Windows Server 2008 R2 and now presents its coverage in two volumes As always you get critical insider perspectives on how Windows operates And through hands on experiments you ll experience its internal behavior firsthand knowledge you can apply to improve application design debugging system performance and support In Part 1 you will Understand how core system and management mechanisms work including the object manager synchronization Wow64 Hyper V and the registry Examine the data structures and activities behind processes threads and jobs Go inside the Windows security model to see how it manages access auditing and authorization Explore the Windows networking stack from top to bottom including APIs BranchCache protocol and NDIS drivers and layered services Dig into internals hands on using the kernel debugger performance monitor and other tools **Windows Administration at the Command Line for Windows Vista, Windows 2003, Windows XP, and Windows 2000** John Paul Mueller,2007-03-31 As the only complete reference for Windows command line utilities this book take an in depth look at the often overlooked utilities accessible through the command line in Windows Vista 2003 XP and 2000 You ll learn to locate files check status monitor systems and save time by using scripts to automate time consuming tasks Plus this is the only book on the market with the complete set of Windows command line utilities including the latest for Vista and offers solutions that will help increase your productivity Microsoft Windows Internals Mark E. Russinovich,David A. Solomon,2005 The classic indepth developer s guide to the Windows kernel now covers Windows NET Server 2003 Windows XP and Windows 2000 *Indian National Bibliography* B. S. Kesavan,2012 Troubleshooting with the Windows Sysinternals Tools Mark E. Russinovich,Aaron Margosis,2016-10-10 Optimize Windows system reliability and performance with Sysinternals IT pros and power users consider the free Windows Sysinternals tools indispensable for diagnosing troubleshooting and deeply understanding the Windows platform In this extensively updated guide Sysinternals creator Mark Russinovich and Windows expert Aaron Margosis help you use these powerful tools to optimize any Windows system s reliability efficiency performance and security The authors first explain Sysinternals capabilities and help you get started fast Next they offer in depth coverage of each major tool from Process Explorer and Process Monitor to Sysinternals security and file utilities Then building on this knowledge they show the tools

being used to solve real world cases involving error messages hangs sluggishness malware infections and much more Windows Sysinternals creator Mark Russinovich and Aaron Margosis show you how to Use Process Explorer to display detailed process and system information Use Process Monitor to capture low level system events and quickly filter the output to narrow down root causes List categorize and manage software that starts when you start or sign in to your computer or when you run Microsoft Office or Internet Explorer Verify digital signatures of files of running programs and of the modules loaded in those programs Use Autoruns Process Explorer Sigcheck and Process Monitor features that can identify and clean malware infestations Inspect permissions on files keys services shares and other objects Use Sysmon to monitor security relevant events across your network Generate memory dumps when a process meets specified criteria Execute processes remotely and close files that were opened remotely Manage Active Directory objects and trace LDAP API calls Capture detailed data about processors memory and clocks Troubleshoot unbootable devices file in use errors unexplained communication and many other problems Understand Windows core concepts that aren't well documented elsewhere

Windows Command Line Administration Instant Reference John Paul Mueller, 2010-09-28 The perfect companion to any book on Windows Server 2008 or Windows 7 and the quickest way to access critical information Focusing just on the essentials of command line interface CLI Windows Command Line Administration Instant Reference easily shows how to quickly perform day to day tasks of Windows administration without ever touching the graphical user interface GUI Specifically designed for busy administrators Windows Command Line Administration Instant Reference replaces many tedious GUI steps with just one command at the command line while concise easy to access answers provide solutions on the spot Provides practical examples step by step instructions and contextual information Quick reference style delivers the commands needed for managing data and the network working with Active Directory performing diagnostics and maintenance and creating batch files and scripts Covers administration for Windows Server 2008 Server Core Windows Server 2008 including R2 and Windows 7 Administrators can get more done in less time with CLI than they can with the standard GUI Compact enough to keep on hand at all times Windows Command Line Administration Instant Reference provides administrators with a convenient fast and simple way to use CLI

Microsoft Windows Server 2008 R2 Administrator's Reference Dustin Hannifin, Naomi J. Alpern, 2010 *Microsoft Windows Server 2008 R2 Administrator's Reference* Dustin Hannifin, 2010-08-07 Microsoft Windows Server 2008 R2 The Administrators Essential Reference introduces the Windows Server 2008 R2 which is Microsofts flagship server operating systems latest release The book explores its features describes differences between the available editions and discusses its deployment After introducing Windows Server 2008 R2 the book explains its installation and configuration processes followed by its networking It also examines different features such as the active directory internet information services 7 5 Hyper V and PowerShell V2 It discusses securing Windows Server 2008 R2 files and its print services remote desktop services high availability and

recovery features and monitoring and troubleshooting in addition their delta changes are discussed in the final chapter The book also explores the features that influence both Windows Server 2008 R2 and Windows 7 These features allow the server operating system to work with Windows 7 One feature is the BranchCache which offers users who open files across a Wide Area Network a better end user experience by caching copy in the branch office when a document or intranet Web site is opened for the first time Another feature is DirectAccess which is the new remote connectivity solution for Windows networks Features information on how to plan deploy and administrate Windows Server 2008 R2 using best practice guidance Provides in depth coverage of Hyper V DirectAccess Remote Desktop Services Active Directory and BranchCache Includes Delta Changes to allow experienced administrators to quickly gain insight to changes between Windows Server 2008 and Windows Server 2008 R2 Windows Internals Pavel Yosifovich, Mark E. Russinovich, Alex Ionescu, David A. Solomon, 2017-05-05 The definitive guide fully updated for Windows 10 and Windows Server 2016 Delve inside Windows architecture and internals and see how core components work behind the scenes Led by a team of internals experts this classic guide has been fully updated for Windows 10 and Windows Server 2016 Whether you are a developer or an IT professional you ll get critical insider perspectives on how Windows operates And through hands on experiments you ll experience its internal behavior firsthand knowledge you can apply to improve application design debugging system performance and support This book will help you Understand the Window system architecture and its most important entities such as processes and threads Examine how processes manage resources and threads scheduled for execution inside processes Observe how Windows manages virtual and physical memory Dig into the Windows I O system and see how device drivers work and integrate with the rest of the system Go inside the Windows security model to see how it manages access auditing and authorization and learn about the new mechanisms in Windows 10 and Server 2016 **TROUBLESHOOTING WITH THE WINDOWS SYSINTERNALS TOOLS.** AARON MARGOSIS (RUSSINOVICH, MARK.), 2016 **Microsoft Windows Command-line Administrator's Pocket Consultant** William R. Stanek, 2004 Packed with practical examples this concise pocket sized reference delivers ready answers for using Microsoft Windows command line tools to manage multiple clients and servers perform bulk operations and get more done in less time *Windows Command-Line Administrator's Pocket Consultant* William R. Stanek, 2008 Presents step by step instructions for a variety of time saving techniques using the Windows command line covering such topics as scripting working with the Registry configuring and maintaining disks managing computer accounts and administering network printers

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