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# *Windows Internals 7th Edition Release Date Online Books*

**\*\*THE INSTANT #1 NEW  
YORK TIMES  
BESTSELLER\*\*** "An  
unforgettable—and  
Hollywood-bound—new  
thriller... A mix of  
Hitchcockian suspense,  
Agatha Christie plotting, and  
Greek tragedy."  
—Entertainment Weekly The  
Silent Patient is a shocking  
psychological thriller of a  
woman's act of violence  
against her husband—and of

the therapist obsessed with uncovering her motive.

Alicia Berenson's life is seemingly perfect. A famous painter married to an in-demand fashion

photographer, she lives in a grand house with big windows overlooking a park in one of London's most desirable areas. One

evening her husband Gabriel returns home late from a fashion shoot, and Alicia shoots him five times in the face, and then never speaks another word. Alicia's refusal to talk, or give any kind of explanation, turns a

domestic tragedy into something far grander, a mystery that captures the public imagination and casts Alicia into notoriety. The price of her art skyrockets, and she, the silent patient, is hidden away from the tabloids and spotlight at the Grove, a secure forensic unit in North London. Theo Faber is a criminal psychotherapist who has waited a long time for the opportunity to work with Alicia. His determination to get her to talk and unravel the mystery of why she shot her husband takes him down

a twisting path into his own motivations—a search for the truth that threatens to consume him....

Malware analysis is big business, and attacks can cost a company dearly.

When malware breaches your defenses, you need to act quickly to cure current infections and prevent future ones from occurring. For those who want to stay ahead of the latest malware, *Practical Malware Analysis* will teach you the tools and techniques used by professional analysts. With this book as your guide,

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you'll be able to safely analyze, debug, and disassemble any malicious software that comes your way. You'll learn how to:

- Set up a safe virtual environment to analyze malware
- Quickly extract network signatures and host-based indicators
- Use key analysis tools like IDA Pro, OllyDbg, and WinDbg
- Overcome malware tricks like obfuscation, anti-disassembly, anti-debugging, and anti-virtual machine techniques
- Use your newfound knowledge of Windows internals for

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malware analysis -Develop a methodology for unpacking malware and get practical experience with five of the most popular packers  
-Analyze special cases of malware with shellcode, C++, and 64-bit code Hands-on labs throughout the book challenge you to practice and synthesize your skills as you dissect real malware samples, and pages of detailed dissections offer an over-the-shoulder look at how the pros do it. You'll learn how to crack open malware to see how it really works, determine what

damage it has done, thoroughly clean your network, and ensure that the malware never comes back. Malware analysis is a cat-and-mouse game with rules that are constantly changing, so make sure you have the fundamentals. Whether you're tasked with securing one network or a thousand networks, or you're making a living as a malware analyst, you'll find what you need to succeed in *Practical Malware Analysis*. Delve inside Windows architecture and internals—and see how core

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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



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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

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NDIS drivers, and layered services Dig into internals hands-on using the kernel debugger, performance monitor, and other tools Delve inside Windows architecture and internals - and see how core components work behind the scenes. This classic guide has been fully updated for Windows 8.1 and Windows Server 2012 R2, and now presents its coverage in three volumes: Book 1, User Mode; Book 2, Kernel Mode; Book 3, Device Driver Models. In Book 1, you'll plumb Windows

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fundamentals, independent of platform - server, desktop, tablet, phone, Xbox. Coverage focuses on high-level functional descriptions of the various Windows components and features that interact with, or are manipulated by, user mode programs, or applications. You'll also examine management mechanisms and operating system components that are implemented in user mode, such as service processes. As always, you get critical insider perspectives on how Windows operates. And

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through hands-on experiments, you'll experience its internal behavior firsthand - knowledge you can apply to improve application design, debugging, system performance, and support. Planned chapters: Concepts & Tools; System Architecture; Windows Application Support; Windows Store Apps; Graphics & the Desktop; Management Mechanisms; User Mode Memory Management; Security; Storage; Networking; Hyper-V.

Advanced Windows  
The Silent Patient  
Windows NT File System  
Internals  
Exam 98-349 Windows  
Operating System  
Fundamentals 2E  
Internals and Design  
Principles  
Microsoft Windows 7  
Unleashed

Presents step-by-step  
instructions for a  
variety of time-saving  
techniques using the  
Windows command line,  
covering such topics as  
running commands, using  
event-logging tools,

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maintaining network printers, and configuring TCP/IP networking services. For a one-semester undergraduate course in operating systems for computer science, computer engineering, and electrical engineering majors. Winner of the 2009 Textbook Excellence Award from the Text and Academic Authors Association (TAA)! Operating Systems: Internals and Design Principles is a

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comprehensive and unified introduction to operating systems. By using several innovative tools, Stallings makes it possible to understand critical core concepts that can be fundamentally challenging. The new edition includes the implementation of web based animations to aid visual learners. At key points in the book, students are directed to view an animation and then are provided with assignments to alter the

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animation input and analyze the results. The concepts are then enhanced and supported by end-of-chapter case studies of UNIX, Linux and Windows Vista. These provide students with a solid understanding of the key mechanisms of modern operating systems and the types of design tradeoffs and decisions involved in OS design. Because they are embedded into the text as end of chapter material, students are able to apply them right



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at the point of discussion. This approach is equally useful as a basic reference and as an up-to-date survey of the state of the art. Most Windows (tm) programming books treat Windows like a "black box"-your program makes calls to the Windows API and somewhere the request is processed. But to write truly professional programs, you need to understand what goes on under the hood of Windows. Matt

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Pietrek, coauthor of the bestselling *Undocumented Windows*, reveals the internal complexity and power of Windows in a clear and concise style. Through the extensive use of pseudocode, the book illustrates the actual implementation of Windows functions, showing in detail what happens when a Windows program executes. The topics include a walk through a typical Windows application, memory management, the creation and destruction

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of a program, dynamic linking, the Windows-DOS interface, the scheduler, the messaging system, resource management, and GDI basics. Based on intensive research of the actual binary code of the Windows program files, Windows Internals' authoritative account of the complicated interactions that occur inside Windows is essential reading for all Windows programmers.

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Microsoft Windows NT is the foundation of the new 32-bit operating system designed to support the most powerful workstation and server systems. The initial developer support for Windows NT has been phenomenal--developers have demonstrated more than 50 Windows NT applications only months after receiving the pre-release version of the software. This authoritative text--by a member of the Windows NT

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development group--is a  
a richly detailed  
technical overview of  
the design goals and  
architecture of Windows  
NT. (Operating Systems)  
Troubleshooting with the  
Windows Sysinternals  
Tools

The Implementation of  
the Windows Operating  
Environment

System Architecture,  
Processes, Threads,  
Memory Management, and  
More, Seventh Edition  
Pro Git

Introducing Windows 7  
for Developers

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Windows Sysinternals

Administrator's

Reference

Introduces the fundamentals of Windows PowerShell 3.0 using easy-to-follow explanations, examples, and exercises.

This is a book for curious people.

It attempts to answer the basic question “how does it work?” As

such, it does not explain how to call documented APIs and DDIs to accomplish some specific

goal. There is plenty of

information available on these

subjects, including the MSDN

Library, the WDK documentation

and several excellent books.

Rather, its purpose is to analyze

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how the Virtual Memory Manager works, simply because it is something worth knowing. With a certain mindset, it might even be something fun to know. Even though this book gives a fairly detailed description of the Virtual Memory Manager, it is not reserved for experienced kernel level programmers. Parts I and II provide information on the x64 processor and enough details on kernel mode code execution to help readers approaching these subjects for the first time. This book describes the Windows 7 x64 implementation of the Virtual Memory Manager. All of the analysis and experiments have

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been performed on this particular version only.

See how the core components of the Windows operating system work behind the scenes—guided by a team of internationally renowned internals experts. Fully updated for Windows Server(R) 2008 and Windows Vista(R), this classic guide delivers key architectural insights on system design, debugging, performance, and support—along with hands-on experiments to experience Windows internal behavior firsthand. Delve inside Windows architecture and internals: Understand how the core system and management mechanisms



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work—from the object manager to services to the registry Explore internal system data structures using tools like the kernel debugger Grasp the scheduler's priority and CPU placement algorithms Go inside the Windows security model to see how it authorizes access to data Understand how Windows manages physical and virtual memory Tour the Windows networking stack from top to bottom—including APIs, protocol drivers, and network adapter drivers Troubleshoot file-system access problems and system boot problems Learn how to analyze crashes

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Presents information on the tools and techniques of Windows 7 to help create effective applications.

Windows PowerShell 3.0 First Steps

Windows PowerShell 3.0 Step by Step

Escape and Evasion in the Dark Corners of the System

Windows 7 Inside Out, Deluxe Edition

User Mode

Windows Internals, Part 2

***Microsoft® Windows 7 Unleashed gives IT professionals, serious power users, and true geeks the powerhouse Windows 7 tweaks, hacks, techniques, and insights***

**they need: knowledge that simply can't be found anywhere else. Top Windows expert Paul McFedries dives deep into Windows 7, returning with the most powerful ways to handle everything from networking to administration, security to scripting. McFedries begins with advanced customization, covering everything from startup/shutdown to the file system. He introduces new ways to tune Windows 7 performance, police Windows via Group Policies, tweak the Registry, make the most of Windows 7s management tools, and control Windows 7 from the command line. You'll find thorough coverage of securing Windows 7, including detailed guidance on**

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***web and email security and hardening both wireless and wired networks. You'll also discover better ways to troubleshoot devices, networks, and startup; add Macs to Windows networks; and automate Windows administration with state-of-the-art scripting techniques. This book is packed with expert tips, tricks, and troubleshooting techniques drawn from McFedries' unsurpassed Windows experience. If you want maximum value and performance from your Windows 7 PCs, you won't find a more valuable resource. Customize everything about Windows 7: IE8, startup/shutdown, file systems, the Start menu, Taskbar, and***

***more Systematically monitor, tune, and optimize Windows performance—including practical techniques for accelerating startup Set up an easy, automated 9-Step maintenance schedule for any Windows 7 PC Unleash Windows 7s power user tools, including Group Policies, the Registry, MMC, and the command line Secure Windows 7 with security settings: auto-lock, Windows Firewall, Windows Defender, parental controls, BitLocker encryption, and more Protect your web privacy with Windows 7s new InPrivate Browsing Solve problems with Windows 7, startup, networking, and hardware Set up reliable Windows 7 networks, and manage them efficiently Safely***

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**provide remote access and VPN connectivity Use Windows 7 as a Web server Program the Windows Scripting Host and Windows PowerShell ON THE WEB: Free Online Edition! When Microsoft releases the final product, you can get an updated edition of this book absolutely free! All examples and source code presented in this book Master the intricacies of application development with unmanaged C++ code—straight from the experts. Jeffrey Richter's classic book is now fully revised for Windows XP, Windows Vista, and Windows Server 2008. You get in-depth, comprehensive guidance, advanced techniques, and extensive code samples to help**

***you program Windows-based applications. Discover how to: Architect and implement your applications for both 32-bit and 64-bit Windows Create and manipulate processes and jobs Schedule, manage, synchronize and destroy threads Perform asynchronous and synchronous device I/O operations with the I/O completion port Allocate memory using various techniques including virtual memory, memory-mapped files, and heaps Manipulate the default committed physical storage of thread stacks Build DLLs for delay-loading, API hooking, and process injection Using structured exception handling, Windows Error Recovery, and Application Restart services***

***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***



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**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.**

**The Definitive Guide to Windows API Programming, Fully Updated for Windows 7, Windows Server 2008, and Windows Vista Windows System Programming,**

***Fourth Edition, now contains extensive new coverage of 64-bit programming, parallelism, multicore systems, and many other crucial topics. Johnson Hart's robust code examples have been updated and streamlined throughout. They have been debugged and tested in both 32-bit and 64-bit versions, on single and multiprocessor systems, and under Windows 7, Vista, Server 2008, and Windows XP. To clarify program operation, sample programs are now illustrated with dozens of screenshots. Hart systematically covers Windows externals at the API level, presenting practical coverage of all the services Windows programmers need, and***

***emphasizing how Windows functions actually behave and interact in real-world applications. Hart begins with features used in single-process applications and gradually progresses to more sophisticated functions and multithreaded environments. Topics covered include file systems, memory management, exceptions, processes, threads, synchronization, interprocess communication, Windows services, and security. New coverage in this edition includes Leveraging parallelism and maximizing performance in multicore systems Promoting source code portability and application interoperability across Windows, Linux, and UNIX***

**Using 64-bit address spaces and ensuring 64-bit/32-bit portability  
Improving performance and scalability using threads, thread pools, and completion ports  
Techniques to improve program reliability and performance in all systems  
Windows performance-enhancing API features available starting with Windows Vista, such as slim reader/writer locks and condition variables  
A companion Web site, [jnhartsoftware.com](http://jnhartsoftware.com), contains all sample code, Visual Studio projects, additional examples, errata, reader comments, and Windows commentary and discussion.**

**Inside Windows NT  
Windows System Programming  
What Makes It Page?**

***The Hands-On Guide to  
Dissecting Malicious Software  
A Developer's Guide  
The Rust Programming Language  
(Covers Rust 2018)***

Drill down into Windows architecture and internals, discover how core Windows components work behind the scenes, and master information you can continually apply to improve architecture, development, system administration, and support. Led by three renowned Windows internals experts, this classic guide is now fully updated for Windows 10 and 8.x. As always, it combines unparalleled insider

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perspectives on how Windows behaves "under the hood" with hands-on experiments that let you experience these hidden behaviors firsthand. Part 2 examines these and other key Windows 10 OS components and capabilities: Startup and shutdown The Windows Registry Windows management mechanisms WMI System mechanisms ALPC ETW Cache Manager Windows file systems The hypervisor and virtualization UWP Activation Revised throughout, this edition also contains three entirely new chapters: Virtualization technologies Management diagnostics and

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tracing Caching and file system support

This scenario-focused title provides concise technical guidance and insights for troubleshooting and optimizing networking with Hyper-V.

Written by experienced virtualization professionals, this little book packs a lot of value into a few pages, offering a lean read with lots of real-world insights and best practices for Hyper-V networking optimization in Windows Server 2012. Focused guide extends your knowledge and capabilities with Hyper-V networking in Windows Server 2012 Shares hands-on insights

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from a team of Microsoft virtualization experts Provides pragmatic troubleshooting and optimization guidance from the field

The Microsoft Official Academic Course (MOAC) textbook for MTA Windows Operating System Fundamentals Exam 98-349 2nd Edition is focused primarily on operating configurations and maintenance in Windows. MOAC offers an official MLO lab environment and Lab Manual to further aid in your study for this exam. Successful skills mastery of Exam 98-349 can help students with securing a career within an IT enterprise



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and help them to differentiate job hunters in today's competitive job market. This exam will cover considerations into the following: \*

Understanding Operating System Configurations. \* Installing and Upgrading Client Systems. \* Managing Applications. \* Managing Files and Folders. \* Managing Devices. \* Understanding Operating System Maintenance. The MOAC IT Professional series is the Official from Microsoft, turn-key Workforce training program that leads to professional certification and was authored for college

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instructors and college students. MOAC gets instructors ready to teach and students ready for work by delivering essential resources in 5 key areas: Instructor readiness, student software, student assessment, instruction resources, and learning validation. With the Microsoft Official Academic course program, you are getting instructional support from Microsoft; materials that are accurate and make course delivery easy.

The official book on the Rust programming language, written by the Rust development team at the

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Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of The Rust Programming Language, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of

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Rust's features--from installation to creating robust and scalable programs. You'll begin with basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as:

- Ownership and borrowing, lifetimes, and traits
- Using Rust's memory safety guarantees to build fast, safe programs
- Testing, error handling, and effective refactoring
- Generics, smart pointers, multithreading, trait objects, and advanced pattern matching
- Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage

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dependencies • How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

A Jeff Aiken Novel  
Microsoft Windows Server  
2003, Windows XP, and

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Windows 2000

Windows 10 Inside Out

(includes Current Book Service)

The Rootkit Arsenal

The Complete Guide to

Scripting Microsoft's New

Command Shell

*A guide to the architecture and internal structure of Microsoft Windows 7 and Microsoft Windows server 2008 R2. The quick way to learn Windows 10 This is learning made easy. Get more done quickly with Windows 10. Jump in wherever you need answers--brisk lessons and colorful screenshots show*

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*you exactly what to do,  
step by step. Discover fun  
and functional Windows 10  
features! Work with the  
new, improved Start menu  
and Start screen Learn  
about different sign-in  
methods Put the Cortana  
personal assistant to work  
for you Manage your online  
reading list and annotate  
articles with the new  
browser, Microsoft Edge  
Help safeguard your  
computer, your  
information, and your  
privacy Manage connections  
to networks, devices, and  
storage resources  
Get a head start deploying*

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*Windows 10--with tips and best practices from experts in the field. This guide shows you how to deploy Windows 10 in an automated way without impacting end users by leveraging System Center Configuration Manager, which is the most used product to deploy Microsoft operating systems in the industry today.*

*While forensic analysis has proven to be a valuable investigative tool in the field of computer security, utilizing anti-forensic*



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*technology makes it possible to maintain a covert operational foothold for extended periods, even in a high-security environment. Adopting an approach that favors full disclosure, the updated Second Edition of The Rootkit Arsenal presents the most accessible, timely, and complete coverage of forensic countermeasures. This book covers more topics, in greater depth, than any other currently available. In doing so the author forges through the murky back alleys of the*

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*Internet, shedding light on material that has traditionally been poorly documented, partially documented, or intentionally undocumented. The range of topics presented includes how to: -Evade post-mortem analysis -Frustrate attempts to reverse engineer your command & control modules -Defeat live incident response -Undermine the process of memory analysis -Modify subsystem internals to feed misinformation to the outside -Entrench your code in fortified regions*

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of execution -Design and  
implement covert channels  
-Unearth new avenues of  
attack

System architecture,  
processes, threads, memory  
management, and more

Optimizing and

Troubleshooting Hyper-V

Networking

Windows Internals Seventh  
Edition Part 1

Windows 10 Step by Step

Stroke

Practical Malware Analysis

***Pro Git (Second Edition) is your fully-  
updated guide to Git and its usage in  
the modern world. Git has come a long  
way since it was first developed by  
Linus Torvalds for Linux kernel***

*development. It has taken the open source world by storm since its inception in 2005, and this book teaches you how to use it like a pro. Effective and well-implemented version control is a necessity for successful web projects, whether large or small. With this book you'll learn how to master the world of distributed version workflow, use the distributed features of Git to the full, and extend Git to meet your every need. Written by Git pros Scott Chacon and Ben Straub, Pro Git (Second Edition) builds on the hugely successful first edition, and is now fully updated for Git version 2.0, as well as including an indispensable chapter on GitHub. It's the best book for all your Git needs.*

*Delve into programming the Windows*

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*operating system through the Windows API in with C++. Use the power of the Windows API to working with processes, threads, jobs, memory, I/O and more. The book covers current Windows 10 versions, allowing you to get the most of what Windows has to offer to developers in terms of productivity, performance and scalability.*

*At the end of the world, a woman must hide her secret power and find her kidnapped daughter in this "intricate and extraordinary" Hugo Award winning novel of power, oppression, and revolution. (The New York Times) This is the way the world ends. . .for the last time. It starts with the great red rift across the heart of the world's sole continent, spewing ash that blots*

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*out the sun. It starts with death, with a murdered son and a missing daughter. It starts with betrayal, and long dormant wounds rising up to fester. This is the Stillness, a land long familiar with catastrophe, where the power of the earth is wielded as a weapon. And where there is no mercy. Read the first book in the critically acclaimed, three-time Hugo award-winning trilogy by NYT bestselling author N. K. Jemisin.*

*"Windows NT File System Internals" examines the NT/IO Manager, the Cache Manager, and the Memory Manager from the perspective of a software developer writing a file system driver or implementing a kernel-mode filter driver. The book provides numerous code examples, as well as*

*the source for a complete, usable filter driver.*

*The Windows 7 (X64) Virtual Memory Manager*

*Windows PowerShell Cookbook*

*Pathophysiology, Diagnosis, and Management*

*Windows Internals, Part 1*

*Windows Internals*

*Inside Windows Debugging*

**An airliner's controls abruptly fail mid-flight over the Atlantic. An oil tanker runs aground in Japan when its navigational system suddenly stops dead. Hospitals everywhere have to abandon their**

***computer databases when patients die after being administered incorrect dosages of their medicine. In the Midwest, a nuclear power plant nearly becomes the next Chernobyl when its cooling systems malfunction. At first, these random computer failures seem like unrelated events. But Jeff Aiken, a former government analyst who quit in disgust after witnessing the gross errors that led up to 9/11, thinks otherwise. Jeff***



***fears a more serious attack targeting the United States computer infrastructure is already under way. And as other menacing computer malfunctions pop up around the world, some with deadly results, he realizes that there isn't much time if he hopes to prevent an international catastrophe. Written by a global authority on cyber security, Zero Day presents a chilling "what if" scenario that, in a world completely reliant on technology, is more***

***than possible today---it's  
a cataclysmic disaster  
just waiting to happen.  
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***

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**elsewhere**

***Your hands-on, step-by-step guide to automating Windows administration with Windows PowerShell 3.0 Teach yourself the fundamentals of Windows PowerShell 3.0 command line interface and scripting language—one step at a time. Written by a leading scripting expert, this practical tutorial delivers learn-by-doing exercises, timesaving tips, and hands-on sample scripts for performing administrative tasks on***

***both local and remote Windows systems. Discover how to: Use built-in cmdlets to execute commands Write scripts to handle recurring tasks Use providers to access information beyond the shell environment Configure network components with Windows Management Instrumentation Manage users, groups, and computers with Active Directory services Execute scripts to administer and***



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**troubleshoot Microsoft  
Exchange Server 2010  
Windows Internals, Part  
1 System architecture,  
processes, threads,  
memory management,  
and more Microsoft Press  
The Fifth Season  
Windows 10 System  
Programming, Part 1  
Microsoft Windows  
Internals  
Microsoft Windows  
Command-line  
Administrator's Pocket  
Consultant  
Operating Systems  
Automating deployment  
by using System Center**

## **Configuration Manager**

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Conquer today ' s Windows 10—from the inside out! Dive into Windows 10—and really put your Windows expertise to work. Focusing on the most powerful and innovative features of Windows 10, this supremely organized reference packs hundreds of timesaving solutions, tips, and workarounds—all fully reflecting the major Windows 10 Anniversary Update. From new Cortana and Microsoft Edge enhancements to the latest security and virtualization features, you ' ll discover how experts tackle today ' s essential tasks—and challenge yourself to new levels of mastery. Install, configure, and personalize the newest versions of Windows 10 Understand Microsoft ' s revamped activation and

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