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*Windows
Internals 7th
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VAUGHAN MARQUIS

*Programming for the
Internet of Things* Pearson
Education

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 upgrade processes Discover major Microsoft Edge enhancements, including new support for extensions Use today's improved Cortana services to perform tasks, set reminders, and retrieve information Make the most of the improved ink, voice, touch, and gesture support in Windows 10 Help secure Windows 10 in business with Windows Hello and Azure AD Deploy, use, and manage new Universal Windows Platform (UWP) apps Take advantage of new entertainment options,

including Groove Music Pass subscriptions and connections to your Xbox One console Manage files in the cloud with Microsoft OneDrive and OneDrive for Business Use the improved Windows 10 Mail and Calendar apps and the new Skype app Fine-tune performance and troubleshoot crashes Master high-efficiency tools for managing Windows 10 in the enterprise Leverage advanced Hyper-V features, including Secure Boot, TPMs, nested virtualization, and containers In addition, this book is part of the Current Book Service from Microsoft Press. Books in this program will receive periodic updates to address significant software changes for 12 to 18 months following the original publication date via a free Web Edition. Learn more at <https://www.microsoftpres>

sstore.com/cbs.

The Linux Command Line

Microsoft Press

Offering a distinctive approach, this book will teach readers not only how to use COM but how to think in COM. COM can greatly improve the efficiency of applications, but COM fluency is a difficult task. The book is a top resource for developers who need to make the transition from superficial understanding to deep knowledge.

Windows Internals

Microsoft Press

Delve into programming the Windows 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.

Chemical Engineering

Design Pearson

Education

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 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 tracing Caching and file system support *Windows Kernel Programming* Pearson Education 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 NT File System Internals* Microsoft Press This "inside account captures the energy—and the madness—of the software giant's race to develop a critical new program. . . . Gripping" (Fortune Magazine).

Showstopper is the dramatic, inside story of the creation of Windows NT, told by Wall Street Journal reporter G. Pascal Zachary. Driven by the legendary David Cutler, a picked band of software engineers sacrifices almost everything in their lives to build a new, stable, operating system aimed at giving Microsoft a platform for growth through the next decade of development in the computing business. Comparable in many ways to the Pulitzer Prize-winning book *The Soul of a New Machine* by Tracy Kidder, Showstopper gets deep inside the process of software development, the lives and motivations of coders and the pressure to succeed coupled with the drive for originality and perfection that can pull a diverse team together to create a program consisting of many hundreds of thousands of lines of code.

Showstopper! John Wiley & Sons
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, jmhartsoftware.com, contains all sample code, Visual Studio projects, additional examples, errata, reader comments, and Windows commentary and discussion.

Reversing John Wiley & Sons
 Chemical Engineering Design, Second Edition, deals with the application of chemical engineering principles to the design of chemical processes and equipment. Revised

throughout, this edition has been specifically developed for the U.S. market. It provides the latest US codes and standards, including API, ASME and ISA design codes and ANSI standards. It contains new discussions of conceptual plant design, flowsheet development, and revamp design; extended coverage of capital cost estimation, process costing, and economics; and new chapters on equipment selection, reactor design, and solids handling processes. A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data, and Excel spreadsheet calculations, plus over 150 Patent References for downloading from the companion website. Extensive instructor resources, including 1170 lecture slides and a fully worked solutions manual are available to adopting instructors. This text is designed for chemical and biochemical engineering students (senior undergraduate year, plus appropriate for capstone design courses where taken, plus graduates) and lecturers/tutors, and professionals in industry (chemical process,

biochemical, pharmaceutical, petrochemical sectors). New to this edition: Revised organization into Part I: Process Design, and Part II: Plant Design. The broad themes of Part I are flowsheet development, economic analysis, safety and environmental impact and optimization. Part II contains chapters on equipment design and selection that can be used as supplements to a lecture course or as essential references for students or practicing engineers working on design projects. New discussion of conceptual plant design, flowsheet development and revamp design Significantly increased coverage of capital cost estimation, process costing and economics New chapters on equipment selection, reactor design and solids handling processes New sections on fermentation, adsorption, membrane separations, ion exchange and chromatography Increased coverage of batch processing, food, pharmaceutical and biological processes All equipment chapters in Part II revised and updated with current information Updated throughout for latest US

codes and standards, including API, ASME and ISA design codes and ANSI standards Additional worked examples and homework problems The most complete and up to date coverage of equipment selection 108 realistic commercial design projects from diverse industries A rigorous pedagogy assists learning, with detailed worked examples, end of chapter exercises, plus supporting data and Excel spreadsheet calculations plus over 150 Patent References, for downloading from the companion website Extensive instructor resources: 1170 lecture slides plus fully worked solutions manual available to adopting instructors

Trojan Horse John Wiley & Sons

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 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

Troubleshooting with the Windows Sysinternals Tools Microsoft Press

Effective techniques and experienced insights to maximize your C# 6 and 7 programming skills Key Features Written by C# legend and top StackOverflow contributor Jon Skeet Unlock the new features of C# 6 and 7 Insights on the future of

the C# language Master asynchronous functions, interpolated strings, tuples, and more

Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. "An excellent overview of C# with helpful and realistic examples that make learning the newest features of C# easy."

—Meredith Godar About The Book C# is the foundation of .NET development. New features added in C# 6 and 7 make it easier to take on big data applications, cloud-centric web development, and cross-platform software using .NET Core. Packed with deep insight from C# guru Jon Skeet, this book takes you deep into concepts and features other C# books ignore. C# in Depth, Fourth Edition is an authoritative and engaging guide that reveals the full potential of the language, including the new features of C# 6 and 7. It combines deep dives into the C# language with practical techniques for enterprise development, web applications, and systems programming. As you absorb the wisdom and techniques in this book, you'll write better code,

and become an exceptional troubleshooter and problem solver. What You Will Learn Comprehensive guidance on the new features of C# 6 and 7 Important legacies and greatest hits of C# 2-5 Expression-bodied members Extended pass-by-reference functionality Writing asynchronous C# code String interpolation Composition with tuples Decomposition and pattern matching This Book Is Written For For intermediate C# developers. About The Author Jon Skeet is a senior software engineer at Google. He studied mathematics and computer science at Cambridge, is a recognized authority in Java and C#, and maintains the position of top contributor to Stack Overflow. Table of Contents 1. Survival of the sharpest 2. C# 2 3. C# 3: LINQ and everything that comes with it 4. C# 4: Improving interoperability 5. Writing asynchronous code 6. Async implementation 7. C# 5 bonus features 8. Super-sleek properties and expression-bodied members 9. Stringy features 10. A smörgåsbord of features for concise code 11.

Composition using tuples
12. Deconstruction and pattern matching
13. Improving efficiency with more pass by reference
14. Concise code in C# 7
15. C# 8 and beyond
PART 1 C# IN CONTEXT
PART 2 C# 2-5
PART 3 C# 6
PART 4 C# 7 AND BEYOND

Advanced Windows Debugging John Wiley & Sons

The tenth edition of Operating System Concepts has been revised to keep it fresh and up-to-date with contemporary examples of how operating systems function, as well as enhanced interactive elements to improve learning and the student's experience with the material. It combines instruction on concepts with real-world applications so that students can understand the practical usage of the content. End-of-chapter problems, exercises, review questions, and programming exercises help to further reinforce important concepts. New interactive self-assessment problems are provided throughout the text to help students monitor their level of understanding and progress. A Linux virtual machine (including C and

Java source code and development tools) allows students to complete programming exercises that help them engage further with the material. The Print Companion includes all of the content found in a traditional text book, organized the way you would expect it, but without the problems. *Windows Internals, Part 1* Macmillan
Computers are everywhere --- most obviously in our laptops and smartphones, but also our cars, televisions, microwave ovens, alarm clocks, robot vacuum cleaners, and other smart appliances. Have you ever wondered what goes on inside these devices to make our lives easier but occasionally more infuriating? For more than 20 years, readers have delighted in Charles Petzold's illuminating story of the secret inner life of computers, and now he has revised it for this new age of computing. Cleverly illustrated and easy to understand, this is the book that cracks the mystery. You'll discover what fl ashlights, black cats, seesaws, and the ride of Paul Revere can teach you about computing --- and how human ingenuity and our compulsion to

communicate have shaped every electronic device we use. This new expanded edition explores more deeply the bit-by-bit, gate-by-gate construction of the heart of every smart device -- the central processing unit that combines the simplest of basic operations to perform the most complex of feats. Along with new chapters, Petzold has created a new website, CodeHiddenLanguage.com, that uses animated interactive graphics to make computers even easier to comprehend. From the simple ticking of clocks to the worldwide hum of the internet, Code reveals the essence of the digital revolution.

[Windows System Programming](#) Pearson Education

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 Windows 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

Operating System Concepts Microsoft Press

Get guidance from a well-known scripting expert—and teach yourself the fundamentals of Microsoft Visual Basic Scripting Edition (VBScript). This tutorial delivers hands-on, self-paced learning labs to

help you get started automating Microsoft Windows administration—one step at a time. Discover how to: Manage folders and files with a single script. Configure network components with Windows Management Instrumentation. Administer users and groups using subroutines and Active Directory Service Interfaces (ADSI). Design logon scripts to configure and maintain user environments. Monitor and manage network printers. Back up and edit the registry—avoiding common pitfalls. Handle errors and troubleshoot scripts. Simplify administration for Microsoft Exchange Server 2003 and Internet Information Services 6.0. Includes a CD featuring: All practice exercises. 100+ sample scripts to adapt for your own work. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

The Adult Learner No Starch Press

How do you tailor education to the learning needs of adults? Do they learn differently from

children? How does their life experience inform their learning processes? These were the questions at the heart of Malcolm Knowles' pioneering theory of andragogy which transformed education theory in the 1970s. The resulting principles of a self-directed, experiential, problem-centred approach to learning have been hugely influential and are still the basis of the learning practices we use today. Understanding these principles is the cornerstone of increasing motivation and enabling adult learners to achieve. The 9th edition of *The Adult Learner* has been revised to include: Updates to the book to reflect the very latest advancements in the field. The addition of two new chapters on diversity and inclusion in adult learning, and andragogy and the online adult learner. An updated supporting website. This website for the 9th edition of *The Adult Learner* will provide basic instructor aids. For each chapter, there will be a PowerPoint presentation, learning exercises, and added study questions. Revisions throughout to make it more readable and relevant to your practices.

If you are a researcher, practitioner, or student in education, an adult learning practitioner, training manager, or involved in human resource development, this is the definitive book in adult learning you should not be without. [Understanding IPv6](#) Microsoft Press Your essential guide to deploying IPv6 on Windows networks Get in-depth technical information to put IPv6 technology to work—including networks with hardware running Windows 8 and Windows Server 2012. Written by a networking expert, this reference explains IPv6 features and benefits, and provides detailed information to help you implement this protocol. You'll learn best practices for using IPv6 services in your Windows network, whether you're an IT professional, a network administrator, or an IT student. Discover how to: Use Windows features and tools to implement IPv6 on your network Set up a test lab to experiment with IPv6 configuration and functionality Understand dynamic routing and the IPv6 routing protocols Use IPv6 transition technologies to support both IPv4 and

IPv6 during deployment Implement IPv6 security features and measures Deploy native IPv6 connectivity to an IPv4-only intranet Apply best practices from the Microsoft corporate network case study Test your understanding of IPv6 concepts with end-of-chapter quizzes

Windows 10 Inside Out (includes Current Book Service) Elsevier

You've experienced the shiny, point-and-click surface of your Linux computer—now dive below and explore its depths with the power of the command line. The *Linux Command Line* takes you from your very first terminal keystrokes to writing full programs in Bash, the most popular Linux shell. Along the way you'll learn the timeless skills handed down by generations of gray-bearded, mouse-shunning gurus: file navigation, environment configuration, command chaining, pattern matching with regular expressions, and more. In addition to that practical knowledge, author William Shotts reveals the philosophy behind these tools and the rich heritage that your desktop Linux machine has inherited from Unix

supercomputers of yore. As you make your way through the book's short, easily-digestible chapters, you'll learn how to: *

- Create and delete files, directories, and symlinks *
- Administer your system, including networking, package installation, and process management *
- Use standard input and output, redirection, and pipelines *
- Edit files with Vi, the world's most popular text editor *
- Write shell scripts to automate common or boring tasks *
- Slice and dice text files with cut, paste, grep, patch, and sed

Once you overcome your initial "shell shock," you'll find that the command line is a natural and expressive way to communicate with your computer. Just don't be surprised if your mouse starts to gather dust. A featured resource in the Linux Foundation's "Evolution of a SysAdmin"

Microsoft Windows Internals

John Wiley & Sons
Your hands-on guide to Windows PowerShell scripting fundamentals. Expand your expertise--and teach yourself the fundamentals of Windows PowerShell scripting, including features available in Windows PowerShell 5. If you are an IT professional, power

user, or consultant, you'll get the guidance, exercises, and code you need to master core techniques for automating Windows setup, deployment, and management. Discover how to: Run cmdlets and command-line utilities. Administer Windows-based servers and desktops with built-in cmdlets. Use providers to access external information. Write and run scripts from the Windows ISE. Create functions that are easy to maintain. Build standardized environments with profiles. Automate Windows systems with WMI, CIM cmdlets, and remoting. Automate Active Directory Domain Services (AD DS). Debug scripts and handle errors. Run commands that survive interruptions. Use Desired State Configuration (DSC) to manage software services and their environments. Get powerful new modules from PowerShell Gallery. About You This book is for: IT professionals and power users who want to get productive with Windows PowerShell, including new features in Windows PowerShell 5. Windows system administrators who want to be more efficient and

productive. Anyone pursuing Windows PowerShell certifications. No experience with Windows PowerShell or other scripting technologies necessary. Windows Internals Parker Publishing Company. One of the fastest ways to learn Linux is with this perennial favorite. Eight previous top-selling editions of Linux For Dummies can't be wrong. If you've been wanting to migrate to Linux, this book is the best way to get there. Written in easy-to-follow, everyday terms, Linux For Dummies 9th Edition gets you started by concentrating on two distributions of Linux that beginners love: the Ubuntu LiveCD distribution and the gOS Linux distribution, which comes pre-installed on Everex computers. The book also covers the full Fedora distribution. Linux is an open-source operating system and a low-cost or free alternative to Microsoft Windows; of numerous distributions of Linux, this book covers Ubuntu Linux, Fedora Core Linux, and gOS Linux, and includes them on the DVD. Install new open source software via Synaptic or RPM package managers. Use free software to browse

the Web, listen to music, read e-mail, edit photos, and even run Windows in a virtualized environment Get acquainted with the Linux command line If you want to get a solid foundation in Linux, this popular, accessible book is for you. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Operating System Concepts, 10e Abridged Print

Companion Microsoft Press

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