

Windows Internals 7th Edition Release Date Online S

Getting the books Windows Internals 7th Edition Release Date Online s now is not type of challenging means. You could not on your own going taking into consideration books gathering or library or borrowing from your friends to admittance them. This is an totally easy means to specifically get guide by on-line. This online pronouncement Windows Internals 7th Edition Release Date Online s can be one of the options to accompany you considering having supplementary time.

It will not waste your time. assume me, the e-book will enormously manner you new thing to read. Just invest tiny times to read this on-line proclamation Windows Internals 7th Edition Release Date Online s as with ease as review them wherever you are now.

Windows 7 Inside Out, Deluxe Edition Ed Bott 2011-07-15 Dive deeper into Windows 7—with new content and new resources on CD! The Deluxe Edition of the ultimate, in-depth reference to Windows 7 has been fully updated for SP1 and Internet Explorer 9, and features 300+ pages of additional coverage and advanced topics. It's now packed with even more timesaving solutions, troubleshooting tips, and workarounds from the experts—and includes a fully searchable eBook and other online resources. Topics include installation, configuration, and setup; network connections and troubleshooting; remote access; managing programs; controlling user access and accounts; advanced file management; working with Internet Explorer 9; managing security features and issues; using Windows Live Essentials 2011; performance monitoring and tuning; backups and maintenance; sharing networked resources; hardware and device drivers. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Microsoft Windows 7 Administrator's Reference Jorge Orchilles 2010-06-03 Microsoft Windows 7 Administrators Reference covers various aspects of Windows 7 systems, including its general information as well as installation and upgrades. This reference explains how to deploy, use, and manage the operating system. The book is divided into 10 chapters. Chapter 1 introduces the Windows 7 and the rationale of releasing this operating system. The next chapter discusses how an administrator can install and upgrade the old operating system from Windows Vista to Windows 7. The deployment of Windows 7 in an organization or other environment is then explained. It also provides the information needed to deploy Windows 7 easily and quickly for both the administrator and end users. Furthermore, the book provides the features of Windows 7 and the ways to manage it properly. The remaining chapters discuss how to secure Windows 7, as well as how to troubleshoot it. This book will serve as a reference and guide for those who want to utilize Windows 7. Covers Powershell V2, Bitlocker, and mobility issues Includes comprehensive details for configuration, deployment, and troubleshooting Consists of content written for system administrators by system administrators

Learning Web Design Jennifer Robbins 2018-05-11 Do you want to build web pages but have no prior experience? This friendly guide is the perfect place to start. You'll begin at square one, learning how the web and web pages work, and then steadily build from there. By the end of the book, you'll have the skills to create a simple site with multicolumn pages that adapt for mobile devices. Each chapter provides exercises to help you learn various techniques and short quizzes to make sure you understand key concepts. This thoroughly revised edition is ideal for students and professionals of all backgrounds and skill levels. It is simple and clear enough for beginners, yet thorough enough to be a useful reference for experienced developers keeping their skills up to date. Build HTML pages with text, links, images, tables, and forms Use style sheets (CSS) for colors, backgrounds, formatting text, page layout, and even simple animation effects Learn how JavaScript works and why the language is so important in web design Create and optimize web images so they'll download as quickly as possible NEW! Use CSS Flexbox and Grid for sophisticated and flexible page layout NEW! Learn the ins and outs of Responsive Web Design to make web pages look great on all devices NEW! Become familiar with the command line, Git, and other tools in the modern web developer's toolkit NEW! Get to know the super-powers of SVG graphics

Practical Malware Analysis Michael Sikorski 2012-02-01 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, 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 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.

Game Hacking Nick Cano 2016-07-01 You don't need to be a wizard to transform a game you like into a game you love. Imagine if you could give your favorite PC game a more informative heads-up display or instantly collect all that loot from your latest epic battle. Bring your knowledge of Windows-based development and memory management, and Game Hacking will teach you what you need to become a true game hacker. Learn the basics, like reverse engineering, assembly code analysis, programmatic memory manipulation, and code injection, and hone your new skills with hands-on example code and practice binaries. Level up as you learn how to: –Scan and modify memory with Cheat Engine –Explore program structure and execution flow with OllyDbg –Log processes and

pinpoint useful data files with Process Monitor –Manipulate control flow through NOPing, hooking, and more –Locate and dissect common game memory structures You'll even discover the secrets behind common game bots, including: –Extrasensory perception hacks, such as wallhacks and heads-up displays –Responsive hacks, such as autohealers and combo bots –Bots with artificial intelligence, such as cave walkers and automatic looters Game hacking might seem like black magic, but it doesn't have to be. Once you understand how bots are made, you'll be better positioned to defend against them in your own games. Journey through the inner workings of PC games with Game Hacking, and leave with a deeper understanding of both game design and computer security.

Troubleshooting with the Windows Sysinternals Tools Mark E. Russinovich 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 PowerShell Step by Step Ed Wilson 2015-10-13 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

Oracle PL/SQL Programming Steven Feuerstein 2002 The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products.

Windows Kernel Programming Pavel Yosifovich 2019-06-07 There is nothing like the power of the kernel in Windows - but how do you write kernel drivers to take advantage of that power? This book will show you how. The book describes software kernel drivers programming for Windows. These drivers don't deal with hardware, but rather with the system itself: processes, threads, modules, registry and more. Kernel code can be used for monitoring important events, preventing some from occurring if needed. Various filters can be written that can intercept calls that a driver may be interested in.

The Rust Programming Language (Covers Rust 2018) Steve Klabnik 2019-09-03 The official book on the Rust programming language, written by the Rust development team at the 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 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 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.

Windows Internals Mark E. Russinovich 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

Operating Systems William Stallings 2009 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 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 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 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.

Building Microservices Sam Newman 2015-02-02 Annotation Over the past 10 years, distributed systems have become more fine-grained. From the large multi-million line long monolithic applications, we are now seeing the benefits of smaller self-contained services. Rather than heavy-weight, hard to change Service Oriented Architectures, we are now seeing systems consisting of collaborating microservices. Easier to change, deploy, and if required retire, organizations which are in the right position to take advantage of them are yielding significant benefits. This book takes an holistic view of the things you need to be cognizant of in order to pull this off. It covers just enough understanding of technology, architecture, operations and organization to show you how to move towards finer-grained systems.

Programming Windows Charles Petzold 1998-11-11 "Look it up in Petzold" remains the decisive last word in answering questions about Windows development. And in PROGRAMMING WINDOWS, FIFTH EDITION, the esteemed Windows Pioneer Award winner revises his classic text with authoritative coverage of the latest versions of the Windows operating system—once again drilling down to the essential API heart of Win32 programming. Topics include: The basics—input, output, dialog boxes An introduction to Unicode Graphics—drawing, text and fonts, bitmaps and metafiles The kernel and the printer Sound and music Dynamic-link libraries Multitasking and multithreading The Multiple-Document Interface Programming for the Internet and intranets Packed as always with definitive examples, this newest Petzold delivers the ultimate sourcebook and tutorial for Windows programmers at all levels working with Microsoft Windows 95, Windows 98, or Microsoft Windows NT. No aspiring or experienced developer can afford to be without it. An electronic version of this book is available on the companion CD. For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook.

Windows Internals Mark E. Russinovich 2012 A guide to the architecture and internal structure of Microsoft Windows 7 and Microsoft Windows server 2008 R2.

Rootkits Greg Hoglund 2006 A guide to rootkits describes what they are, how they work, how to build them, and how to detect them.

Deploying Windows 10 Andre Della Monica 2016-02-15 Get a head start deploying 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.

Windows Internals Brian Catlin 2016-02-29 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 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 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.

Windows Internals Matt Pietrek 1993 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 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 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. 0201622173B04062001

Windows NT File System Internals Rajeev Nagar 1997 "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 Mueller Report Robert S. Mueller 2019-04-26 This is the full Mueller Report, as released on April 18, 2019, by the U.S. Department of Justice. A reprint of the report exactly as it was issued by the government, it is without analysis or commentary from any other source and with nothing subtracted except for the material redacted by the Department of Justice. The mission of the Mueller investigation was to examine Russian interference in the 2016 Presidential election, consisting of possible links, or "collusion," between the Donald Trump campaign and the Russian government of Vladimir Putin as well as any allegations of obstruction of justice in this regard. It was also intended to detect and prosecute, where warranted, any other crimes that surfaced during the course of the investigation. The report consists of a detailed summary of the various investigations and inquiries that the Special Counsel and colleagues carried out in these areas. The investigation was initiated in the aftermath of the firing of FBI Director James Comey by Donald Trump on May 9, 2017. The FBI, under Director Comey, had already been investigating links between Russia and the Trump campaign. Mueller submitted his report to Attorney General William Barr on March 22, 2019, and the Department of Justice released the redacted report one month later.

The Complete Idiot's Guide to PC Basics, Windows 7 Edition Joe Kraynak 2011-03-01 The down and dirty basics for computer newbies. For those with a blank slate when it comes to computer know-how, this guide teaches readers how to get started on a PC, including: easy instructions on starting, setting up, and organizing the PC; navigating the Windows 7 desktop and folder system; getting up and running with email; working with music, photos, and video; plus an introduction to Google, Facebook, YouTube, Twitter, eBay, blogging, instant messaging; and more! ? Focuses on software - and the practical and fun things new users want to do with their PCs ? A large number of people - particularly the older generation - are new to computers ? Includes troubleshooting tips

Windows Internals David A. Solomon 2009-06-17 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

Windows via C/C++ Christophe Nasarre 2007-11-28 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

Windows Sysinternals Administrator's Reference Aaron Margosis 2011-06-15 Get in-depth guidance—and inside insights—for using the Windows Sysinternals tools available from Microsoft TechNet. Guided by Sysinternals creator Mark Russinovich and Windows expert Aaron Margosis, you'll drill into the features and functions of dozens of free file, disk, process, security, and Windows management tools. And you'll learn how to apply the book's best practices to help resolve your own technical issues the way the experts do. Diagnose. Troubleshoot. Optimize. Analyze CPU spikes, memory leaks, and other system problems Get a comprehensive view of file, disk, registry, process/thread, and network activity Diagnose and troubleshoot issues with Active Directory Easily scan, disable, and remove autostart applications and components Monitor application debug output Generate trigger-based memory dumps for application troubleshooting Audit and analyze file digital signatures, permissions, and other security information Execute Sysinternals management tools on one or more remote computers Master Process Explorer, Process Monitor, and Autoruns

Windows Internals, Part 1 Pavel Yosifovich 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 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

Windows 10 Step by Step Joan Lambert 2015-10-28 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 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

Windows Internals, Part 2 Mark Russinovich 2020-07-06 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

Microsoft VBScript Step by Step Ed Wilson 2006-11-29 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.

What Makes It Page? Enrico Martignetti 2012-08-21 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 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 been performed on this particular version only.

Network Your Computers & Devices Step by Step Ciprian Adrian Rusen 2010 Explains how to set up a home networking system to connect home computers using Windows 7 with other devices, including printers, scanners and mobile devices.

Microsoft Windows Internals

Mark E. Russinovich 2005

Understanding IPv6 Joseph Davies 2012 Written by a networking expert, this reference details IPv6 from its features and benefits to its packet structure and protocol processes to put the technology into practice.

Hands-On Machine Learning with Scikit-Learn, Keras, and TensorFlow Aurélien Géron 2019-09-05 Through a series of recent breakthroughs, deep learning has boosted the entire field of machine learning. Now, even programmers who know close to nothing about this technology can use simple, efficient tools to implement programs capable of learning from data. This practical book shows you how. By using concrete examples, minimal theory, and two production-ready Python frameworks—Scikit-Learn and TensorFlow—author Aurélien Géron helps you gain an intuitive understanding of the concepts and tools for building intelligent systems. You'll learn a range of techniques, starting with simple linear regression and progressing to deep neural networks. With exercises in each chapter to help you apply what you've learned, all you need is programming experience to get started. Explore the machine learning landscape, particularly neural nets Use Scikit-Learn to track an example machine-learning project end-to-end Explore several training models, including support vector machines, decision trees, random forests, and ensemble methods Use the TensorFlow library to build and train neural nets Dive into neural net architectures, including convolutional nets, recurrent nets, and deep reinforcement learning Learn techniques for training and scaling deep neural nets

Advanced Kernel Mode Programming: APCs In Kernel Mode Apriorit Inc. This e-book was written for developers by Apriorit experts who share their experience working with Asynchronous Procedure Calls (APCs) in kernel mode on Windows and describe what pitfalls to expect. It goes in-depth on how to implement an APC in the Windows 10 kernel, explains the APC delivery scheme, and shows several undocumented ways of working with APCs from kernel mode. An Asynchronous Procedure Call provides a way to execute code within the context of a specific thread. How to use APCs in user mode is well documented, but how to use APCs from kernel mode isn't. However, that doesn't mean it's impossible. Applying undocumented approaches for working with an APC from a kernel mode driver may lead to unexpected consequences. Therefore, we've come up with several methods and used our knowledge and experience to try them all ourselves in order to save your time and efforts. In this e-book, you'll find: 1. A concise answer to what an APC is and how APCs can be used in Windows systems. 2. Approaches and disadvantages of working with an APC from a kernel mode driver. 3. A safe APC implementation based on reference counting of the kernel object. 4. Examples of using an APC in the Windows kernel. This guide contains detailed descriptions of major approaches to working with an APC from a kernel mode driver, including using only alertable threads, forcing APC delivery, using an unloadable driver, and counting object driver references. It also explores the mechanism of assembler stub implementation for x86 and x64. This e-book will be useful for anyone interested in alternative ways of working with APCs and anyone who wants to learn how to use APCs in the Windows kernel mode. Table of contents: What is an Asynchronous Procedure Call? Using an APC in kernel mode Alertable and non-alertable threads - Using only alertable threads - Forcing APC delivery - Using the unexportable KeRemoveQueueApc function - Using an unloadable driver - Using object driver reference counting -- Assembler stub implementation for x86 -- Assembler stub implementation for x64 Examples of using an APC in the Windows kernel References

Exam 98-349 Windows Operating System Fundamentals 2E Microsoft Official Academic Course Staff 2017-08-18 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 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 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.

Windows 10 Inside Out (includes Current Book Service) Ed Bott 2016-11-22 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.microsoftpressstore.com/cbs>.

The Unofficial Guide to Windows Vista Derek Torres 2008-03-11 The inside scoop...for when you want more than the official line! Microsoft Vista may be the hot new operating system, but to use it with confidence, you'll need to know its quirks and shortcuts. Find out what the manual doesn't always tell you in this insider's guide to using Vista in the real world. How can you customize the desktop? What's the best way to prevent crashes? From setting up a home network to working with data, first get the official way, then the best way from two experts. Unbiased coverage of how to get the most out of Vista, from the new user interface and "live" icons to the revamped Control Panel Savvy, real-world advice from mastering multimedia with Vista and editing "secret settings" to synching data with your laptop and handheld Time-saving techniques and practical guidance on working around Vista quirks, avoiding pitfalls, and increasing your productivity Tips and hacks on Gadgets, how to launch Instant Search, and ways to use a USB flash drive as extended memory Sidebars and tables on Internet Explorer 7, tough new parental controls, and backing up data with

enhanced Vista tools Watch for these graphic icons in every chapter to guide you to specific practical information. Bright Ideas are smart innovations that will save you time or hassle. Hacks are insider tips and shortcuts that increase productivity. When you see Watch Out! heed the cautions or warnings to help you avoid common pitfalls. And finally, check out Inside Scoops for practical insights from the author. It's like having your own expert at your side!

Windows 10 System Programming, Part 1 Pavel Yosifovich 2020-04-11 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.

Inside Windows Debugging Tarik Soulamy 2012-05-15 Use Windows debuggers throughout the development cycle—and build better software Rethink your use of Windows debugging and tracing tools—and learn how to make them a key part of test-driven software development. Led by a member of the Windows Fundamentals Team at Microsoft, you'll apply expert debugging and tracing techniques—and sharpen your C++ and C# code analysis skills—through practical examples and common scenarios. Learn why experienced developers use debuggers in every step of the development process, and not just when bugs appear. Discover how to: Go behind the scenes to examine how powerful Windows debuggers work Catch bugs early in the development cycle with static and runtime analysis tools Gain practical strategies to tackle the most common code defects Apply expert tricks to handle user-mode and kernel-mode debugging tasks Implement postmortem techniques such as JIT and dump debugging Debug the concurrency and security aspects of your software Use debuggers to analyze interactions between your code and the operating system Analyze software behavior with Xperf and the Event Tracing for Windows (ETW) framework