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*It's two years after the Zero Day*

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*attacks, and cyber-security analyst  
Jeff Aiken is reaping the rewards for  
crippling Al-Qaida's assault on the  
computer infrastructure of the  
Western world. His company is  
flourishing, and his relationship with  
former government agent Daryl*

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*Haugen has intensified since she became a part of his team. But the West is under its greatest threat yet. A revolutionary, invisible trojan that alters data without leaving a trace---more sophisticated than any virus seen before---has been*

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*identified, roiling international politics. Jeff and Daryl are summoned to root it out and discover its source. As the trojan penetrates Western intelligence, and the terrifying truth about its creator is revealed, Jeff and Daryl find*

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*themselves in a desperate race to reverse it as the fate of both East and West hangs in the balance. A thrilling suspense story and a sober warning from one of the world's leading experts on cyber-security, Trojan Horse exposes the already widespread*

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*use of international cyber-espionage  
as a powerful and dangerous  
weapon, and the lengths to which one  
man will go to stop it.*

*A guide to the architecture and  
internal structure of Microsoft  
Windows 7 and Microsoft Windows*

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*server 2008 R2.*

*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*

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*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*



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*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*

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*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*

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*Windows program files, Windows Internals' authoritative account of the complicated interactions that occur inside Windows is essential reading for all Windows programmers.*

*0201622173B04062001*

*Provides information on the features,*

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*functions, and implementation of Active Directory, covering such topics as management tools, searching the AD database, and the Kerberos security protocol.*

*Windows Phone 8 Development Internals*

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*Windows 10 Inside Out (includes  
Current Book Service)*

*Microsoft Manual of Style*

*Operating Systems*

*Inside Windows Debugging*

Delve inside Windows architecture  
and internals - and see how core

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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

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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

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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



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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,

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and support. Planned chapters:  
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Architecture; Windows Application  
Support; Windows Store Apps;  
Graphics & the Desktop;  
Management Mechanisms; User

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Mode Memory Management;  
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applications for both 32-bit and  
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manipulate processes and jobs  
Schedule, manage, synchronize  
and destroy threads Perform

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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

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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

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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



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firsthand-knowledge you can apply to improve application design, debugging, system performance, and support. This book will help you:

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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

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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

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Working with Microsoft's network directory service for the first time can be a headache for system and network administrators, IT professionals, technical project managers, and programmers alike.

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its concepts. Some of the topics include Active Directory replication, the schema, application partitions, group policies, and interaction with DNS. Part II details the issues around properly designing the directory infrastructure. Topics

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include designing the namespace, creating a site topology, designing group policies for locking down client settings, auditing, permissions, backup and recovery, and a look at Microsoft's future direction with Directory Services.

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Windows 10 Step by Step  
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architecture and internals,  
discover how core Windows  
components work behind the  
scenes, and master  
information you can  
continually apply to improve***

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*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*



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Activation Revised  
throughout, this edition  
also contains three entirely  
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technologies Management  
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*parallelism inherent to these chips, software designers face new challenges in terms of operating systems, middleware and applications. This will serve as an invaluable, single-source*

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*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,*

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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

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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

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at the point of  
discussion. This  
approach is equally  
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reference and as an up-  
to-date survey of the

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of the latest versions  
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dialog boxes An

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application  
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and analyze file digital

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signatures, permissions,  
and other security  
information Execute  
Sysinternals management  
tools on one or more  
remote computers Master  
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Process Monitor, and  
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Windows via C/C++

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A Jeff Aiken Novel

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Hazards in Housing  
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""If you are new to the Win32 API,  
but have programmed for other high-  
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practical guide to the central  
features and functions of the Win32

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API, Win32 System Programming, Second Edition, will get you up and running with Windows NT and Windows 2000. Unlike most Windows programming resources, this book focuses exclusively on the core system services--file system,

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memory, processes, communication, and security--rather than on the more commonly featured graphical user interface functions. Especially geared for those already familiar with UNIX or other high-end operating systems, Win32 System

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Programming, Second Edition, helps you to build on your knowledge base to learn Win32 features quickly and easily. This new edition has been updated and enhanced with new coverage of network programming, servers, NT services,

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Threads, process management,  
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with sockets NT services, including  
the service control handler, event  
logging, and debugging

Asynchronous I/O Remote

Procedure Calls Win64, covering  
architecture, programming models,  
data types, and legacy code



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migration Short, practical examples illustrate each topic, and are included on the accompanying CD-ROM and supporting Web site (<http://world.std.com/jmhart/w32.htm>). The appendixes compare Win32, UNIX, and the C library; and

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Goleman, and Larry Brilliant—on life-changing journeys that have ultimately transformed our world. In 1967, Baba Ram Dass—former American Harvard professor Richard Alpert—left India to share stories of his mysterious guru, Neem

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Karoli Baba, known as Maharajji. Introducing idealistic Western youth to the possibilities inherent in spiritual development, Ram Dass inspired a generation to turn on and tune in to a reality far different from the one they had known. From the

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spring of 1970 until Maharajji died on September 11, 1973, several hundred Westerners had his darshan (in Hinduism, the beholding of a deity, revered person, or sacred object). Those who saw him formed the Maharajji satsang—fellow

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travelers on the path. Love Everyone tells the stories of those who heard the siren call of the East and followed it to the foothills of the Himalayas. The ways they were called to make the journey, their experiences along the way, and their



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meeting with Maharajji form the core of this multicultural adventure in shifting consciousness. The contributors share their recollections of Maharajji and how his wisdom shaped their lives. All have attempted to follow Maharajji's

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basic teaching, his seemingly simple directives: Love everyone, feed everyone, and remember God. All have found their own way to be of service in the world and, in so doing, have collectively touched the hearts and souls of countless others.

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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

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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

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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

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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,

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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.

Windows NT File System Internals  
*Page 103/191*

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A Windows 2000 Application  
Developer's Guide

Designing, Deploying, and Running  
Active Directory

Windows Internals, Part 1  
Active Directory

*Investigating a possible breach*



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*in the New York Stock Exchange, cyber security expert Jeff Aiken discovers that high-ranking officials both knew about the breach and allowed millions to be stolen, a finding that causes Jeff to be violently*

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*targeted by powerful enemies  
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system work behind the  
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Windows Vista(R), this classic  
guide delivers key architectural  
insights on system design,  
debugging, performance, and*

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*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*

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*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*

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*protocol drivers, and network  
adapter drivers Troubleshoot file-  
system access problems and  
system boot problems Learn  
how to analyze crashes  
An in-depth exploration of the  
inner-workings of Android: In*

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*Volume 1, we take the perspective of the Power User as we delve into the foundations of Android, filesystems, partitions, boot process, native daemons and services.*

*"Windows NT File System*

*Page 112/191*



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*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*

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*provides numerous code examples, as well as the source for a complete, usable filter driver.*

*Linux Kernel Development*  
*Microsoft Windows Internals*  
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User Mode*

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sign-in methods Put the  
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Take a deep dive into Windows  
PowerShell and discover what  
this distributed automation  
platform can do. Whether  
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**write "little languages" to solve specific problems, and take charge of your code. This book includes example scripts that you can easily pull apart, tweak, and then use in your own PowerShell and .NET**

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**solutions. Slice and dice text,  
XML, CSV, and JSON with ease  
Embed PowerShell to provide  
scripting capabilities for your  
C# apps Create GUI  
applications five to ten times  
faster with less code Leverage**

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**PowerShell's capabilities to work with the Internet Interact with DLLs and create objects, automatically display properties, and call methods in live interactive sessions Build domain-specific languages**

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**(DSLs) and vocabularies to  
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## **Rootkits**

Use Windows debuggers throughout the development cycle—and build better software Rethink your use of Windows debugging and

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low-level system events, and  
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*narrow down root causes  
List, categorize, and manage  
software that starts when  
you start or sign in to your  
computer, or when you run  
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*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*

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processes remotely, and  
close files that were opened  
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processors, memory, and  
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