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Microsoft Windows Security Essentials Mastering Windows Security and Hardening Mastering Windows Security and Hardening Windows Security Monitoring Malicious Mobile Code Mastering Windows Security and Hardening Microsoft Windows Security Fundamentals The .NET Developer's Guide to Windows Security *Microsoft Windows Security Inside Out for Windows XP and Windows 2000* **Programming Windows Security** Windows Security Portable Reference *Security for Microsoft Windows System Administrators Microsoft Windows Security Resource Kit* **Windows Security - Simple Steps to Win, Insights and Opportunities for Maxing Out Success Protect Your Windows Network Microsoft Advanced Windows Security Services Security Strategies in Windows Platforms and Applications** *Hacking Exposed Windows: Microsoft Windows Security Secrets and Solutions, Third Edition* **Writing Secure Code for Windows Vista** *Security Strategies in Windows Platforms and Applications* **Security Strategies in Windows Platforms and Applications Microsoft® Windows Server 2008 Security Resource Kit Windows Server 2012 Security from End to Edge and Beyond Windows Security Internals with PowerShell Hardening Windows Systems Windows Security Complete Self-Assessment Guide Guide to Securing Microsoft Windows XP Systems for IT Professionals: A NIST Security Configuration Checklist** Microsoft Windows Security Resource Kit **Least Privilege Security for Windows 7, Vista and XP Security Fundamentals Resource kit Beginning Security with Microsoft Technologies Hacking Exposed Windows: Microsoft Windows Security Secrets and Solutions, Third Edition Windows 2012 Server Network Security Windows Vista Security For Dummies** Windows Security Complete Self-assessment Guide **Digital Privacy and Security Using Windows** Perl Scripting for Windows Security **Windows Server 2003 Security Laboratory Manual to Accompany Security Strategies in Windows Platforms and Applications**

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Use this hands-on guide to understand the ever growing and complex world of digital security. Learn how to protect yourself from digital crime, secure your communications, and become anonymous online using sophisticated yet practical tools and techniques. This book teaches you how to secure your online identity and personal devices, encrypt your digital data and online communications, protect cloud data and Internet of Things (IoT), mitigate social engineering attacks, keep your purchases secret, and conceal your digital footprint. You will understand best practices to harden your operating system and delete digital traces using the most widely used operating system, Windows. Digital Privacy and Security

Using Windows offers a comprehensive list of practical digital privacy tutorials in addition to being a complete repository of free online resources and tools assembled in one place. The book helps you build a robust defense from electronic crime and corporate surveillance. It covers general principles of digital privacy and how to configure and use various security applications to maintain your privacy, such as TOR, VPN, and BitLocker. You will learn to encrypt email communications using Gpg4win and Thunderbird. What You'll Learn Know the various parties interested in having your private data Differentiate between government and corporate surveillance, and the motivations behind each one Understand how online tracking works technically Protect digital data, secure online communications, and become anonymous online Cover and destroy your digital traces using Windows OS Secure your data in transit and at rest Be aware of cyber security risks and countermeasures Who This Book Is For End users, information security professionals, management, infosec students A comprehensive guide to administering and protecting the latest Windows 11 and Windows server operating system from ongoing cyber threats using zero-trust security principles Key Features • Learn to protect your Windows environment using zero-trust and a multi-layered security approach • Implement security controls using Intune, Configuration Manager, Defender for Endpoint, and more • Understand how to onboard modern cyber-threat defense solutions for Windows clients Book Description Are you looking for the most current and effective ways to protect Windows-based systems from being compromised by intruders? This updated second edition is a detailed guide that helps you gain the expertise to implement efficient security measures and create robust defense solutions using modern technologies. The first part of the book covers security fundamentals with details around building and implementing baseline controls. As you advance, you'll learn how to effectively secure and harden your Windows-based systems through hardware, virtualization, networking, and identity and access management (IAM). The second section will cover administering security controls for Windows clients and servers with remote policy management using Intune, Configuration Manager, Group Policy, Defender for Endpoint, and other Microsoft 365 and Azure cloud security technologies. In the last section, you'll discover how to protect, detect, and respond with security monitoring, reporting, operations, testing, and auditing. By the end of this book, you'll have developed an understanding of the processes and tools involved in enforcing security controls and implementing zero-trust security principles to protect Windows systems. What you will learn • Build a multi-layered security approach using zero-trust concepts • Explore best practices to implement security baselines successfully • Get to grips with virtualization and networking to harden your devices • Discover the importance of identity and access management • Explore Windows device administration and remote management • Become an expert in hardening your Windows infrastructure • Audit, assess, and test to ensure controls are successfully applied and enforced • Monitor and report activities to stay on top of vulnerabilities Who this book is for If you're a cybersecurity or technology professional, solutions architect, systems engineer, systems administrator, or anyone interested in learning how to secure the latest Windows-based systems, this book is for you. A basic understanding of Windows security concepts, Intune, Configuration Manager, Windows PowerShell, and Microsoft Azure will help you get the best out of this book. Security for Microsoft Windows System is a handy guide that features security information for Windows beginners and professional admin. It provides information on security basics and tools for advanced protection against network failures and attacks. The text is divided into six chapters that cover details about network attacks, system failures, audits, and social networking. The book introduces general security concepts including the principles of information security, standards, regulation, and compliance; authentication, authorization, and accounting; and access control. It also covers the cryptography and the principles of network, system, and organizational and operational security, including risk analysis and disaster recovery.

The last part of the book presents assessments and audits of information security, which involve methods of testing, monitoring, logging, and auditing. This handy guide offers IT practitioners, systems and network administrators, and graduate and undergraduate students in information technology the details they need about security concepts and issues. Non-experts or beginners in Windows systems security will also find this book helpful. Take all the confusion out of security including: network attacks, system failures, social networking, and even audits Learn how to apply and implement general security concepts Identify and solve situations within your network and organization Enhance Windows security and protect your systems and servers from various cyber attacks Key FeaturesProtect your device using a zero-trust approach and advanced security techniquesImplement efficient security measures using Microsoft Intune, Configuration Manager, and Azure solutionsUnderstand how to create cyber-threat defense solutions effectivelyBook Description Are you looking for effective ways to protect Windows-based systems from being compromised by unauthorized users? Mastering Windows Security and Hardening is a detailed guide that helps you gain expertise when implementing efficient security measures and creating robust defense solutions. We will begin with an introduction to Windows security fundamentals, baselining, and the importance of building a baseline for an organization. As you advance, you will learn how to effectively secure and harden your Windows-based system, protect identities, and even manage access. In the concluding chapters, the book will take you through testing, monitoring, and security operations. In addition to this, you'll be equipped with the tools you need to ensure compliance and continuous monitoring through security operations. By the end of this book, you'll have developed a full understanding of the processes and tools involved in securing and hardening your Windows environment. What you will learnUnderstand baselining and learn the best practices for building a baselineGet to grips with identity management and access management on Windows-based systemsDelve into the device administration and remote management of Windows-based systemsExplore security tips to harden your Windows server and keep clients secureAudit, assess, and test to ensure controls are successfully applied and enforcedMonitor and report activities to stay on top of vulnerabilitiesWho this book is for This book is for system administrators, cybersecurity and technology professionals, solutions architects, or anyone interested in learning how to secure their Windows-based systems. A basic understanding of Windows security concepts, Intune, Configuration Manager, Windows PowerShell, and Microsoft Azure will help you get the best out of this book. The Laboratory Manual to Accompany Security Strategies in Windows Platforms and Applications is the lab companion to the Information Systems and Security Series title,Security Strategies in Windows Platforms and Applications. It provides hands-on exercises using the Jones & Bartlett Learning Virtual Security Cloud Labs, that provide real-world experience with measurable learning outcomes.About the Series:Visit www.issaseries.com for a complete look at the series!The Jones & Bartlett Learning Information System & Assurance Series delivers fundamental IT security principles packed with real-world applications and examples for IT Security, Cybersecurity, Information Assurance, and Information Systems Security programs. Authored by Certified Information Systems Security Professionals (CISSPs), and reviewed by leading technical experts in the field, these books are current forward-thinking resources that enable readers to solve the cybersecurity challenges of today and tomorrow. Advanced Windows Security Services, is the second of two books, which continue to supply insights into the security features and security infrastructure components of the Windows Server 2003 operating system. The books also highlight the security principles an architect should remember when designing a secure Windows Server 2003 infrastructure. This second book focuses on the security updates provided as part of Windows Server 2003 Service Pack 1 and the Windows Server 2003 R2 release. The book is split into two separate parts to better illustrate Windows Security Fundamentals and Advanced Windows Security Services. The first

part focusing on Windows security concepts and authentication and authorization services and the second focusing on Windows identity management, public key infrastructure and security management services. · Straight forward approach to setting up and maintaining a secure server environment with MS Windows Server 2003 R2 and SP1 and SP2 The one-stop-source powering Windows Security success, jam-packed with ready to use insights for success, loaded with all the data you need to decide how to gain and move ahead. An one-of-a-kind book, based on extensive research, this reveals the best practices of the most successful Windows Security knowledge mavens, those who are adept at continually innovating and seeing opportunity where others do not. This is the first place to go for Windows Security innovation, in today's knowledge-driven business environment, professionals face particular challenges as their purpose is to discover or develop new concepts, products, or processes; the pressure to perform is intense. This title is the entryway to a single source for innovation. BONUS: Included with the book come numerous real-world Windows Security blueprints, presentations and templates ready for you to download and use. This book addresses the crucial issue of Windows Security adoption by presenting the facts to move beyond general observation. The model underpinning this book has been used as a predictive decision tool, tracking thousands of innovations for over more than a decade. And...this all-encompassing analysis focuses on key areas of future Windows Security growth. "As usual, Keith masterfully explains complex security issues in down-to-earth and easy-to-understand language. I bet you'll reach for this book often when building your next software application." --Michael Howard, coauthor, Writing Secure Code "When it comes to teaching Windows security, Keith Brown is 'The Man.' In The .NET Developer's Guide to Windows Security, Keith has written a book that explains the key security concepts of Windows NT, Windows 2000, Windows XP, and Windows Server 2003, and teaches you both how to apply them and how to implement them in C# code. By organizing his material into short, clear snippets, Brown has made a complicated subject highly accessible." --Martin Heller, senior contributing editor at Byte.com and owner of Martin Heller & Co. "Keith Brown has a unique ability to describe complex technical topics, such as security, in a way that can be understood by mere mortals (such as myself). Keith's book is a must read for anyone attempting to keep up with Microsoft's enhancements to its security features and the next major version of .NET." --Peter Partch, principal software engineer, PM Consulting "Keith's book is a collection of practical, concise, and carefully thought out nuggets of security insight. Every .NET developer would be wise to keep a copy of this book close at hand and to consult it first when questions of security arise during application development." --Fritz Onion, author of Essential ASP.NET with Examples in C# The .NET Developer's Guide to Windows Security is required reading for .NET programmers who want to develop secure Windows applications. Readers gain a deep understanding of Windows security and the know-how to program secure systems that run on Windows Server 2003, Windows XP, and Windows 2000. Author Keith Brown crystallizes his application security expertise into 75 short, specific guidelines. Each item is clearly explained, cross-referenced, and illustrated with detailed examples. The items build on one another until they produce a comprehensive picture of what tools are available and how developers should use them. The book highlights new features in Windows Server 2003 and previews features of the upcoming version 2.0 of the .NET Framework. A companion Web site includes the source code and examples used throughout the book. Topics covered include: Kerberos authentication Access control Impersonation Network security Constrained delegation Protocol transition Securing enterprise services Securing remoting How to run as a normal user and live a happy life Programming the Security Support Provider Interface (SSPI) in Visual Studio.NET 2005 Battle-scarred and emerging developers alike will find in The .NET Developer's Guide to Windows Security bona-fide solutions to the everyday problems of securing Windows applications. A Sybex guide to Windows Security concepts, perfect for IT beginners

Security is one of the most important components to every company’s computer network. That’s why the Security Fundamentals MTA Certification is so highly sought after. Filling IT positions is a top problem in today’s businesses, so this certification could be your first step toward a stable and lucrative IT career. Security Fundamentals is your guide to developing a strong foundational understanding of Windows security, so you can take your IT career to the next level and feel confident going into the certification exam. Security Fundamentals features approachable discussion of core security concepts and topics, and includes additional learning tutorials and tools. This book covers everything you need to know about security layers, authentication, authorization, security policies, and protecting your server and client. Each chapter closes with a quiz so you can test your knowledge before moving to the next section. Learn everything you need for the Security Fundamentals MTA Certification Understand core security principles, including security layers and network security Learn essential concepts in physical security, internet security, and wireless security Identify the different types of hardware firewalls and their characteristics Test your knowledge and practice for the exam with quiz questions in every chapter IT professionals looking to understand more about networking will gain the knowledge to effectively secure a client and server, and to confidently explain basic security concepts. Thanks to the tools and tips in this Sybex title, you will be able to apply your new IT security skills in real world situations and on exam day. How do mission and objectives affect the Windows Security processes of our organization? Will new equipment/products be required to facilitate Windows Security delivery for example is new software needed? Which customers cant participate in our Windows Security domain because they lack skills, wealth, or convenient access to existing solutions? What would be the goal or target for a Windows Security's improvement team? Will team members regularly document their Windows Security work? This instant Windows Security self-assessment will make you the dependable Windows Security domain leader by revealing just what you need to know to be fluent and ready for any Windows Security challenge. How do I reduce the effort in the Windows Security work to be done to get problems solved? How can I ensure that plans of action include every Windows Security task and that every Windows Security outcome is in place? How will I save time investigating strategic and tactical options and ensuring Windows Security opportunity costs are low? How can I deliver tailored Windows Security advise instantly with structured going-forward plans? There's no better guide through these mind-expanding questions than acclaimed best-selling author Gerard Blokdyk. Blokdyk ensures all Windows Security essentials are covered, from every angle: the Windows Security self-assessment shows succinctly and clearly that what needs to be clarified to organize the business/project activities and processes so that Windows Security outcomes are achieved. Contains extensive criteria grounded in past and current successful projects and activities by experienced Windows Security practitioners. Their mastery, combined with the uncommon elegance of the self-assessment, provides its superior value to you in knowing how to ensure the outcome of any efforts in Windows Security are maximized with professional results. Your purchase includes access details to the Windows Security self-assessment dashboard download which gives you your dynamically prioritized projects-ready tool and shows your organization exactly what to do next. Your exclusive instant access details can be found in your book. Provides steps to ensure the security of Windows systems, covering such topics as passwords, authentication, network infastructure, Windows directory information, application access, PKI, LAN communications, and security policies. The latest Windows security attack and defense strategies "Securing Windows begins with reading this book." --James Costello (CISSP) IT Security Specialist, Honeywell Meet the challenges of Windows security with the exclusive Hacking Exposed "attack-countermeasure" approach. Learn how real-world malicious hackers conduct reconnaissance of targets and then exploit common misconfigurations and software flaws on both clients and

servers. See leading-edge exploitation techniques demonstrated, and learn how the latest countermeasures in Windows XP, Vista, and Server 2003/2008 can mitigate these attacks. Get practical advice based on the authors' and contributors' many years as security professionals hired to break into the world's largest IT infrastructures. Dramatically improve the security of Microsoft technology deployments of all sizes when you learn to: Establish business relevance and context for security by highlighting real-world risks Take a tour of the Windows security architecture from the hacker's perspective, exposing old and new vulnerabilities that can easily be avoided Understand how hackers use reconnaissance techniques such as footprinting, scanning, banner grabbing, DNS queries, and Google searches to locate vulnerable Windows systems Learn how information is extracted anonymously from Windows using simple NetBIOS, SMB, MSRPC, SNMP, and Active Directory enumeration techniques Prevent the latest remote network exploits such as password grinding via WMI and Terminal Server, passive Kerberos logon sniffing, rogue server/man-in-the-middle attacks, and cracking vulnerable services See up close how professional hackers reverse engineer and develop new Windows exploits Identify and eliminate rootkits, malware, and stealth software Fortify SQL Server against external and insider attacks Harden your clients and users against the latest e-mail phishing, spyware, adware, and Internet Explorer threats Deploy and configure the latest Windows security countermeasures, including BitLocker, Integrity Levels, User Account Control, the updated Windows Firewall, Group Policy, Vista Service Refactoring/Hardening, SafeSEH, GS, DEP, Patchguard, and Address Space Layout Randomization Windows 2012 Server Network Security provides the most in-depth guide to deploying and maintaining a secure Windows network. The book drills down into all the new features of Windows 2012 and provides practical, hands-on methods for securing your Windows systems networks, including: Secure remote access Network vulnerabilities and mitigations DHCP installations configuration MAC filtering DNS server security WINS installation configuration Securing wired and wireless connections Windows personal firewall Remote desktop services Internet connection sharing Network diagnostics and troubleshooting Windows network security is of primary importance due to the sheer volume of data residing on Windows networks. Windows 2012 Server Network Security provides network administrators with the most focused and in-depth coverage of Windows network security threats along with methods and techniques for securing important mission-critical networks and assets. The book also covers Windows 8. Provides practical examples of how to secure your Windows network. Focuses specifically on Windows network security rather than general concepts. One of the first books to cover Windows Server 2012 network security. Now fully updated and revised, this official Microsoft RESOURCE KIT delivers the in-depth information and tools you need to help protect your Windows-based clients, servers, networks, and Internet services. Security experts Ben Smith and Brian Komar, working in conjunction with the Microsoft Security Team, explain how core Windows security internals work and how to assess security threats and vulnerabilities, configure security features, monitor and respond to security events, and effectively apply security technologies and best practices. You'll find new information on Microsoft Windows Server 2003 Service Pack 1, Windows XP Service Pack 2, and Microsoft Office 2003 Editions. And you'll get essential tools, scripts, templates, and other key resources on the CD. Get in-depth guidance on how to: Build security considerations into the design of Active Directory objects, domains, and forests; manage user accounts and passwords; apply Group Policy NEW--Utilize the Security Configuration Wizard and Windows Update Services Configure TCP/IP and the Windows Firewall, and address the unique security risks of mobile computing and wireless networking Define security settings for domain controllers, IIS 5.0 and 6.0, Windows Terminal Services, and DNS, DHCP, WINS, RAS, and certificate servers NEW--Design an 802.1x authentication infrastructure NEW--Implement the security advances in Microsoft Office 2003 Editions, IIS 6.0,

and the latest service packs Perform security assessments and respond to security incidents Manage security and privacy settings for Microsoft Office and Internet Explorer CD features: 20+ tools and scripts, including: Placeholder script Xcacls.vbs--to script file and folder permissions EventcombMT.exe--to collect and search event logs from multiple computers through a GUI Microsoft Encyclopedia of Networking, Second Edition, eBook Microsoft Encyclopedia of Security eBook Bonus content from additional Microsoft Press security books eBook of the complete RESOURCE KIT For customers who purchase an ebook version of this title, instructions for downloading the CD files can be found in the ebook. Provides information on planning, implementing, and managing the security features of Microsoft Windows Server 2008. This is the first of two books serving as an expanded and up-dated version of Windows Server 2003 Security Infrastructures for Windows 2003 Server R2 and SP1 & SP2. The authors choose to encompass this material within two books in order to illustrate the intricacies of the different paths used to secure MS Windows server networks. Since its release in 2003 the Microsoft Exchange server has had two important updates, SP1 and SP2. SP1, allows users to increase their security, reliability and simplify the administration of the program. Within SP1, Microsoft has implemented R2 which improves identity and access management across security-related boundaries. R2 also improves branch office server management and increases the efficiency of storage setup and management. The second update, SP2 minimizes spam, pop-ups and unwanted downloads. These two updated have added an enormous amount of programming security to the server software. * Covers all SP1 and SP2 updates * Details strategies for patch management * Provides key techniques to maintain security application upgrades and updates How to deal with Windows Security Changes? Will Windows Security deliverables need to be tested and, if so, by whom? Is there a critical path to deliver Windows Security results? What are the expected benefits of Windows Security to the business? To what extent does management recognize Windows Security as a tool to increase the results? Defining, designing, creating, and implementing a process to solve a business challenge or meet a business objective is the most valuable role... In EVERY company, organization and department. Unless you are talking a one-time, single-use project within a business, there should be a process. Whether that process is managed and implemented by humans, AI, or a combination of the two, it needs to be designed by someone with a complex enough perspective to ask the right questions. Someone capable of asking the right questions and step back and say, 'What are we really trying to accomplish here? And is there a different way to look at it?' For more than twenty years, The Art of Service's Self-Assessments empower people who can do just that - whether their title is marketer, entrepreneur, manager, salesperson, consultant, business process manager, executive assistant, IT Manager, CxO etc... - they are the people who rule the future. They are people who watch the process as it happens, and ask the right questions to make the process work better. This book is for managers, advisors, consultants, specialists, professionals and anyone interested in Windows Security assessment. Featuring 612 new and updated case-based questions, organized into seven core areas of process design, this Self-Assessment will help you identify areas in which Windows Security improvements can be made. In using the questions you will be better able to: - diagnose Windows Security projects, initiatives, organizations, businesses and processes using accepted diagnostic standards and practices - implement evidence-based best practice strategies aligned with overall goals - integrate recent advances in Windows Security and process design strategies into practice according to best practice guidelines Using a Self-Assessment tool known as the Windows Security Scorecard, you will develop a clear picture of which Windows Security areas need attention. Included with your purchase of the book is the Windows Security Self-Assessment downloadable resource, containing all 612 questions and Self-Assessment areas of this book. This helps with ease of (re-)use and enables you to import the questions in your preferred Management or Survey Tool. Access instructions can be found in the

book. You are free to use the Self-Assessment contents in your presentations and materials for customers without asking us - we are here to help. This Self-Assessment has been approved by The Art of Service as part of a lifelong learning and Self-Assessment program and as a component of maintenance of certification. Optional other Self-Assessments are available. For more information, visit http://theartofservice.com Secure Microsoft Windows desktops with least privilege security for regulatory compliance and business agility with this book and eBook. Revised and updated to keep pace with this ever changing field, Security Strategies in Windows Platforms and Applications, Third Edition focuses on new risks, threats, and vulnerabilities associated with the Microsoft Windows operating system, placing a particular emphasis on Windows 10, and Windows Server 2016 and 2019. The Third Edition highlights how to use tools and techniques to decrease risks arising from vulnerabilities in Microsoft Windows operating systems and applications. The book also includes a resource for readers desiring more information on Microsoft Windows OS hardening, application security, and incident management. With its accessible writing style, and step-by-step examples, this must-have resource will ensure readers are educated on the latest Windows security strategies and techniques. The latest Windows security attack and defense strategies "Securing Windows begins with reading this book." --James Costello (CISSP) IT Security Specialist, Honeywell Meet the challenges of Windows security with the exclusive Hacking Exposed "attack-countermeasure" approach. Learn how real-world malicious hackers conduct reconnaissance of targets and then exploit common misconfigurations and software flaws on both clients and servers. See leading-edge exploitation techniques demonstrated, and learn how the latest countermeasures in Windows XP, Vista, and Server 2003/2008 can mitigate these attacks. Get practical advice based on the authors' and contributors' many years as security professionals hired to break into the world's largest IT infrastructures. Dramatically improve the security of Microsoft technology deployments of all sizes when you learn to: Establish business relevance and context for security by highlighting real-world risks Take a tour of the Windows security architecture from the hacker's perspective, exposing old and new vulnerabilities that can easily be avoided Understand how hackers use reconnaissance techniques such as footprinting, scanning, banner grabbing, DNS queries, and Google searches to locate vulnerable Windows systems Learn how information is extracted anonymously from Windows using simple NetBIOS, SMB, MSRPC, SNMP, and Active Directory enumeration techniques Prevent the latest remote network exploits such as password grinding via WMI and Terminal Server, passive Kerberos logon sniffing, rogue server/man-in-the-middle attacks, and cracking vulnerable services See up close how professional hackers reverse engineer and develop new Windows exploits Identify and eliminate rootkits, malware, and stealth software Fortify SQL Server against external and insider attacks Harden your clients and users against the latest e-mail phishing, spyware, adware, and Internet Explorer threats Deploy and configure the latest Windows security countermeasures, including BitLocker, Integrity Levels, User Account Control, the updated Windows Firewall, Group Policy, Vista Service Refactoring/Hardening, SafeSEH, GS, DEP, Patchguard, and Address Space Layout Randomization Windows Server 2012 Security from End to Edge and Beyond shows you how to architect, design, plan, and deploy Microsoft security technologies for Windows 8/Server 2012 in the enterprise. The book covers security technologies that apply to both client and server and enables you to identify and deploy Windows 8 security features in your systems based on different business and deployment scenarios. The book is a single source for learning how to secure Windows 8 in many systems, including core, endpoint, and anywhere access. Authors Tom Shinder and Yuri Diogenes, both Microsoft employees, bring you insider knowledge of the Windows 8 platform, discussing how to deploy Windows security technologies effectively in both the traditional datacenter and in new cloud-based solutions. With this book, you will understand the conceptual underpinnings of Windows 8 security and how

to deploy these features in a test lab and in pilot and production environments. The book's revolutionary "Test Lab Guide" approach lets you test every subject in a predefined test lab environment. This, combined with conceptual and deployment guidance, enables you to understand the technologies and move from lab to production faster than ever before. Critical material is also presented in key concepts and scenario-based approaches to evaluation, planning, deployment, and management. Videos illustrating the functionality in the Test Lab can be downloaded from the authors' blog http://blogs.technet.com.b.security_talk/. Each chapter wraps up with a bullet list summary of key concepts discussed in the chapter. Provides practical examples of how to design and deploy a world-class security infrastructure to protect both Windows 8 and non-Microsoft assets on your system Written by two Microsoft employees who provide an inside look at the security features of Windows 8 Test Lab Guides enable you to test everything before deploying live to your system Windows 2000 and NT offer programmers powerful security tools that few developers use to the fullest -- and many are completely unaware of. In Programming Windows Security, a top Windows security expert shows exactly how to apply them in enterprise applications. Keith Brown starts with a complete roadmap to the Windows 2000 security architecture, describing every component and how they all fit together. He reviews the "actors" in a secure system, including principals, authorities, authentication, domains, and the local security authority; and the role of trust in secure Windows 2000 applications. Developers will understand the security implications of the broader Windows 2000 environment, including logon sessions, tokens, and window stations. Next, Brown introduces Windows 2000 authorization and access control, including groups, aliases, roles, privileges, security descriptors, DACLs and SACLs - showing how to choose the best access strategy for any application. In Part II, he walks developers through using each of Windows 2000's security tools, presenting techniques for building more secure setup programs, using privileges at runtime, working with window stations and user profiles, and using Windows 2000's dramatically changed ACLs. Finally, Brown provides techniques and sample code for network authentication, working with the file system redirector, using RPC security, and making the most of COM/COM+ security. Power up your Windows security skills with expert guidance, in-depth technical insights, and dozens of real-world vulnerability examples from Google Project Zero's most renowned researcher! Learn core components of the system in greater depth than ever before, and gain hands-on experience probing advanced Microsoft security systems with the added benefit of PowerShell scripts. Learn the core components and features of the Microsoft Windows threat-mitigation system from one of the world's foremost Windows security experts—and Microsoft's top bug hunter—James Forshaw. In this hands-on guidebook, Forshaw distills his more than 20 years of knowledge and practical experience working with Windows security, describing the system in greater depth than any ever before. In-depth technical discussions are rounded out with l real-world examples that not only demonstrate how to use PowerShell in security work, but let you explore Windows security features for yourself as you follow along in the text. Early chapters cover the basics, including best practices for setting up a PowerShell environment, understanding the Windows kernel interface, and working within the security reference monitor. As you progress to more advanced topics, Forshaw walks you through highly relevant case studies, as well as the implementation of complex processes like access checking and network authentication. In addition, there are example scripts using the PowerShell scripting language throughout, which can be used to test the behavior of Windows systems and, in turn, enable you to explore their security without needing a compiler or other development tools. Essential for anyone who works with Windows security, this book dives deeper into core components of the system than even Microsoft?s own documentation. Includes bibliographical references (p. 371-373) and index. A revolutionary, soups-to-nuts approach to network security from two of Microsoft's leading security experts.

Provides information on writing more secure code for Microsoft Windows Vista, covering such topics as application compatibility, buffer overrun defenses, network security, Windows CardSpace, parental controls, and Windows Defender APIs. Windows security concepts and technologies for IT beginners IT security can be a complex topic, especially for those new to the field of IT. This full-color book, with a focus on the Microsoft Technology Associate (MTA) program, offers a clear and easy-to-understand approach to Windows security risks and attacks for newcomers to the world of IT. By paring down to just the essentials, beginners gain a solid foundation of security concepts upon which more advanced topics and technologies can be built. This straightforward guide begins each chapter by laying out a list of topics to be discussed, followed by a concise discussion of the core networking skills you need to have to gain a strong handle on the subject matter. Chapters conclude with review questions and suggested labs so you can measure your level of understanding of the chapter's content. Serves as an ideal resource for gaining a solid understanding of fundamental security concepts and skills Offers a straightforward and direct approach to security basics and covers anti-malware software products, firewalls, network topologies and devices, network ports, and more Reviews all the topics you need to know for taking the MTA 98-367 exam Provides an overview of security components, looks at securing access with permissions, addresses audit policies and network auditing, and examines protecting clients and servers If you're new to IT and interested in entering the IT workforce, then Microsoft Windows Security Essentials is essential reading. Dig deep into the Windows auditing subsystem to monitor for malicious activities and enhance Windows system security Written by a former Microsoft security program manager, DEFCON "Forensics CTF" village author and organizer, and CISSP, this book digs deep into the Windows security auditing subsystem to help you understand the operating system?s event logging patterns for operations and changes performed within the system. Expert guidance brings you up to speed on Windows auditing, logging, and event systems to help you exploit the full capabilities of these powerful components. Scenario–based instruction provides clear illustration of how these events unfold in the real world. From security monitoring and event patterns to deep technical details about the Windows auditing subsystem and components, this book provides detailed information on security events generated by the operating system for many common operations such as user account authentication, Active Directory object modifications, local security policy changes, and other activities. This book is based on the author?s experience and the results of his research into Microsoft Windows security monitoring and anomaly detection. It presents the most common scenarios people should be aware of to check for any potentially suspicious activity. Learn to: Implement the Security Logging and Monitoring policy Dig into the Windows security auditing subsystem Understand the most common monitoring event patterns related to operations and changes in the Microsoft Windows operating system About the Author Andrei Miroshnikov is a former security program manager with Microsoft. He is an organizer and author for the DEFCON security conference "Forensics CTF" village and has been a speaker at Microsoft?s Bluehat security conference. In addition, Andrei is an author of the "Windows 10 and Windows Server 2016 Security Auditing and Monitoring Reference" and multiple internal Microsoft security training documents. Among his many professional qualifications, he has earned the (ISC)2 CISSP and Microsoft MCSE: Security certifications. When an IT security configuration checklist (e.g., hardening or lockdown guide) is applied to a system in combination with trained system administrators and a sound and effective security program, a substantial reduction in vulnerability exposure can be achieved. This guide will assist personnel responsible for the administration and security of Windows XP systems. It contains information that can be used to secure local Windows XP workstations, mobile computers, and telecommuter systems more effectively in a variety of environments, including small office, home office and managed enterprise environments. The guidance should only be applied

throughout an enterprise by trained and experienced system administrators. Illustrations. I decided to write this book for a couple of reasons. One was that I've now written a couple of books that have to do with incident response and forensic analysis on Windows systems, and I used a lot of Perl in both books. Okay...I'll come clean...I used nothing but Perl in both books! What I've seen as a result of this is that many readers want to use the tools, but don't know how...they simply aren't familiar with Perl, with interpreted (or scripting) languages in general, and may not be entirely comfortable with running tools at the command line. This book is intended for anyone who has an interest in useful Perl scripting, in particular on the Windows platform, for the purpose of incident response, and forensic analysis, and application monitoring. While a thorough grounding in scripting languages (or in Perl specifically) is not required, it helpful in fully and more completely understanding the material and code presented in this book. This book contains information that is useful to consultants who perform incident response and computer forensics, specifically as those activities pertain to MS Windows systems (Windows 2000, XP, 2003, and some Vista). My hope is that not only will consultants (such as myself) find this material valuable, but so will system administrators, law enforcement officers, and students in undergraduate and graduate programs focusing on computer forensics. *Perl Scripting for Live Response Using Perl, there's a great deal of information you can retrieve from systems, locally or remotely, as part of troubleshooting or investigating an issue. Perl scripts can be run from a central management point, reaching out to remote systems in order to collect information, or they can be "compiled" into standalone executables using PAR, PerlApp, or Perl2Exe so that they can be run on systems that do not have ActiveState's Perl distribution (or any other Perl distribution) installed. *Perl Scripting for Computer Forensic Analysis Perl is an extremely useful and powerful tool for performing computer forensic analysis. While there are applications available that let an examiner access acquired images and perform some modicum of visualization, there are relatively few tools that meet the specific needs of a specific examiner working on a specific case. This is where the use of Perl really shines through and becomes apparent. *Perl Scripting for Application Monitoring Working with enterprise-level Windows applications requires a great deal of analysis and constant monitoring. Automating the monitoring portion of this effort can save a great deal of time, reduce system downtimes, and improve the reliability of your overall application. By utilizing Perl scripts and integrating them with the application technology, you can easily build a simple monitoring framework that can alert you to current or future application issues. CD-ROM contains: Microsoft and Third-Party tools and add-ins -- Sample files and programs referenced in text and sample security templates -- Links to official Microsoft Office resources online -- Electronic version of text. This pocket-sized gem packs a punch, with plenty of information squeezed into one indispensable reference. The book covers Windows 2000 Server, Windows XP, and Windows, and NET Server 2003, with critical security information at the ready for administrators and programmers who need to know on the go. This revised and updated second edition focuses on new risks, threats, and vulnerabilities associated with the Microsoft Windows operating system. Particular emphasis is placed on Windows XP, Vista, and 7 on the desktop, and Windows Server 2003 and 2008 versions. It highlights how to use tools and techniques to decrease risks arising from vulnerabilities in Microsoft Windows operating systems and applications. The book also includes a resource for readers desiring more information on Microsoft Windows OS hardening, application security, and incident management. Topics covered include: the Microsoft Windows Threat Landscape; Microsoft Windows security features; managing security in Microsoft Windows; hardening Microsoft Windows operating systems and applications; and security trends for Microsoft Windows computers. -- Secure and manage your Azure cloud infrastructure, Office 365, and SaaS-based applications and devices. This book focuses on security in the Azure cloud, covering aspects such as identity protection in Azure AD,

network security, storage security, unified security management through Azure Security Center, and many more. Beginning Security with Microsoft Technologies begins with an introduction to some common security challenges and then discusses options for addressing them. You will learn about Office Advanced Threat Protection (ATP), the importance of device-level security, and about various products such as Device Guard, Intune, Windows Defender, and Credential Guard. As part of this discussion you'll cover how secure boot can help an enterprise with pre-breach scenarios. Next, you will learn how to set up Office 365 to address phishing and spam, and you will gain an understanding of how to protect your company's Windows devices. Further, you will also work on enterprise-level protection, including how advanced threat analytics aids in protection at the enterprise level. Finally, you'll see that there are a variety of ways in which you can protect your information. After reading this book you will be able to understand the security components involved in your infrastructure and apply methods to implement security solutions. What You Will Learn Keep corporate data and user identities safe and secure Identify various levels and stages of attacks Safeguard information using Azure Information Protection, MCAS, and Windows Information Protection, regardless of your location Use advanced threat analytics, Azure Security Center, and Azure ATP Who This Book Is For Administrators who want to build secure infrastructure at multiple levels such as email security, device security, cloud infrastructure security, and more. Viruses today are more prevalent than ever and the need to protect the network or company against attacks is imperative. Grimes gives strategies, tips and tricks needed to secure any system. He explains what viruses can and can't do, and how to recognize, remove and prevent them. A revolutionary, soups-to-nuts approach to network security from two of Microsoft's leading security experts. Get the most from Vista's security features, and slam Windows shot on vulnerabilities and threats!--