

Guide To Operating System Security Michael Palmer

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The Basics of Information Security - Jason Andress 2014-05-20

As part of the Syngress Basics series, The Basics of Information Security provides you with fundamental knowledge of information security in both theoretical and practical aspects. Author Jason Andress gives you the basic knowledge needed to understand the key concepts of confidentiality, integrity, and availability, and then dives into practical applications of these ideas in the areas of operational, physical, network, application, and operating system security. The Basics of Information Security gives you clear-non-technical explanations of how infosec works and how to apply these principles whether you're in the IT field or want to understand how it affects your career and business. The new Second Edition has been updated for the latest trends and threats, including new material on many infosec subjects. Learn about information security without wading through a huge textbook Covers both theoretical and practical aspects of information security Provides a broad view of the information security field in a concise manner All-new Second Edition updated for the latest information security trends and threats, including material on incident response, social engineering, security awareness, risk management, and legal/regulatory issues

Guide to UNIX Using Linux - Michael Palmer 2007-08-16

Written with a clear, straightforward writing style and packed with step-by-step projects for

direct, hands-on learning, Guide to UNIX Using Linux, 4E is the perfect resource for learning UNIX and Linux from the ground up. Through the use of practical examples, end-of-chapter reviews, and interactive exercises, novice users are transformed into confident UNIX/Linux users who can employ utilities, master files, manage and query data, create scripts, access a network or the Internet, and navigate popular user interfaces and software. The updated 4th edition incorporates coverage of the latest versions of UNIX and Linux, including new versions of Red Hat, Fedora, SUSE, and Ubuntu Linux. A new chapter has also been added to cover basic networking utilities, and several other chapters have been expanded to include additional information on the KDE and GNOME desktops, as well as coverage of the popular OpenOffice.org office suite. With a strong focus on universal UNIX and Linux commands that are transferable to all versions of Linux, this book is a must-have for anyone seeking to develop their knowledge of these systems. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Building Secure and Reliable Systems - Heather Adkins 2020-03-16

Can a system be considered truly reliable if it isn't fundamentally secure? Or can it be considered secure if it's unreliable? Security is crucial to the design and operation of scalable systems in production, as it plays an important part in product quality, performance, and

availability. In this book, experts from Google share best practices to help your organization design scalable and reliable systems that are fundamentally secure. Two previous O'Reilly books from Google—*Site Reliability Engineering* and *The Site Reliability*

Workbook—demonstrated how and why a commitment to the entire service lifecycle enables organizations to successfully build, deploy, monitor, and maintain software systems. In this latest guide, the authors offer insights into system design, implementation, and maintenance from practitioners who specialize in security and reliability. They also discuss how building and adopting their recommended best practices requires a culture that's supportive of such change. You'll learn about secure and reliable systems through: Design strategies Recommendations for coding, testing, and debugging practices Strategies to prepare for, respond to, and recover from incidents Cultural best practices that help teams across your organization collaborate effectively

Forthcoming Books - Rose Army 2004

Operating System Security - Trent Jaeger
2022-05-31

Operating systems provide the fundamental mechanisms for securing computer processing. Since the 1960s, operating systems designers have explored how to build "secure" operating systems - operating systems whose mechanisms protect the system against a motivated adversary. Recently, the importance of ensuring such security has become a mainstream issue for all operating systems. In this book, we examine past research that outlines the requirements for a secure operating system and research that implements example systems that aim for such requirements. For system designs that aimed to satisfy these requirements, we see that the complexity of software systems often results in implementation challenges that we are still exploring to this day. However, if a system design does not aim for achieving the secure operating system requirements, then its security features fail to protect the system in a myriad of ways. We also study systems that have been retrofit with secure operating system features after an initial deployment. In all cases, the conflict between function on one hand and

security on the other leads to difficult choices and the potential for unwise compromises. From this book, we hope that systems designers and implementors will learn the requirements for operating systems that effectively enforce security and will better understand how to manage the balance between function and security. Table of Contents: Introduction / Access Control Fundamentals / Multics / Security in Ordinary Operating Systems / Verifiable Security Goals / Security Kernels / Securing Commercial Operating Systems / Case Study: Solaris Trusted Extensions / Case Study: Building a Secure Operating System for Linux / Secure Capability Systems / Secure Virtual Machine Systems / System Assurance

Beyond Disruption - George P. Shultz
2018-06-01

In *Beyond Disruption: Technology's Challenge to Governance*, George P. Shultz, Jim Hoagland, and James Timbie present views from some of the country's top experts in the sciences, humanities, and military that scrutinize the rise of post-millennium technologies in today's global society. They contemplate both the benefits and peril carried by the unprecedented speed of these innovations—from genetic editing, which enables us new ways to control infectious diseases, to social media, whose ubiquitous global connections threaten the function of democracies across the world. Some techniques, like the advent of machine learning, have enabled engineers to create systems that will make us more productive. For example, self-driving vehicles promise to make trucking safer, faster, and cheaper. However, using big data and artificial intelligence to automate complex tasks also ends up threatening to disrupt both routine professions like taxi driving and cognitive work by accountants, radiologists, lawyers, and even computer programmers themselves.

Searching and Seizing Computers and Obtaining Electronic Evidence in Criminal Investigations -
Orin S. Kerr 2001

The British National Bibliography - Arthur James Wells 2004

Guide to Operating Systems - Michael J. Palmer
2006

Guide to Operating Systems, Enhanced Edition provides the information needed to understand and support the desktop, server, and network operating systems in use today -- Windows XP, Windows Vista (the latest Windows version) Windows Server 2003, Windows Server 2003 R2, Windows 2000, SUSE Linux, Fedora Linux, Red Hat Enterprise Linux, Mac OS X (Panther and Tiger), and NetWare. Major concepts include operating system theory, installation, upgrading, configuring (operating system and hardware), file systems, security, hardware options, storage, resource sharing, network connectivity, maintenance, and troubleshooting. This book combines theory and technical practice for a stronger understanding, and it is great for training technical professionals who support multiple operating systems.

A Guide to Microsoft Windows NT Server 4.0 -

Michael J. Palmer 1998

Part of our Networking series, this text prepares students to pass the Microsoft Certification Exam.

American Book Publishing Record Cumulative 1998 - R R Bowker Publishing 1999-03

Secure Architectures with OpenBSD - Brandon Palmer 2004

Secure Architectures with OpenBSD is the insider's guide to building secure systems using OpenBSD. Written by Brandon Palmer and Jose Nazario, this book is a how-to for system and network administrators who need to move to a more secure operating system and a reference for seasoned OpenBSD users who want to fully exploit every feature of the system.

Guide to UNIX - Jack Dent 2001-10

Guide to UNIX Using Linux is a hands-on, practical guide that teaches the fundamentals of the UNIX operating system concepts, architecture and administration. These concepts are taught using Linux, a free, PC-compatible UNIX clone that is an ideal teaching tool for many basic and advanced UNIX commands. The power, stability, and flexibility of UNIX has contributed to its popularity in mission-critical business and networking applications.

The Brewers Association's Guide to Starting Your Own Brewery - Dick Cantwell 2013-05-15
Starting a successful brewery takes more than heart. The Brewers Association's Guide to

Starting Your Own Brewery delivers essential industry knowledge to brewers aspiring to chart their own course. While America's craft beer renaissance continues, emphasis must remain on producing the highest quality beer—or the success of the entire industry is jeopardized. This comprehensive guide will help you plan and open a thriving, quality-oriented brewery. It reviews everything that matters, from site selection and branding to regulatory requirements, flooring choices and equipment considerations. Industry veteran Dick Cantwell of Elysian Brewing adeptly covers ingredients, financing, business plans, quality assurance, distribution, wastewater, sustainability practices and more, for prospective brewpub and packaging brewery owners alike. Cantwell walks the reader through the planning and execution required to turn craft brewing dreams into reality.

Absolute OpenBSD, 2nd Edition - Michael W. Lucas 2013-04-15

OpenBSD, the elegant, highly secure Unix-like operating system, is widely used as the basis for critical DNS servers, routers, firewalls, and more. This long-awaited second edition of Absolute OpenBSD maintains author Michael Lucas's trademark straightforward and practical approach that readers have enjoyed for years. You'll learn the intricacies of the platform, the technical details behind certain design decisions, and best practices, with bits of humor sprinkled throughout. This edition has been completely updated for OpenBSD 5.3, including new coverage of OpenBSD's boot system, security features like W^X and ProPolice, and advanced networking techniques. You'll learn how to:

- Manage network traffic with VLANs, trunks, IPv6, and the PF packet filter
- Make software management quick and effective using the ports and packages system
- Give users only the access they need with groups, sudo, and chroots
- Configure OpenBSD's secure implementations of SNMP, DHCP, NTP, hardware sensors, and more
- Customize the installation and upgrade processes for your network and hardware, or build a custom OpenBSD release

Whether you're a new user looking for a complete introduction to OpenBSD or an experienced sysadmin looking for a refresher, Absolute OpenBSD, 2nd Edition will give you everything you need to master the

intricacies of the world's most secure operating system.

Hands-On Ethical Hacking and Network Defense - Michael T. Simpson 2016-10-10

Cyber-terrorism and corporate espionage are increasingly common and devastating threats, making trained network security professionals more important than ever. This timely text helps you gain the knowledge and skills to protect networks using the tools and techniques of an ethical hacker. The authors begin by exploring the concept of ethical hacking and its practitioners, explaining their importance in protecting corporate and government data from cyber attacks. The text then provides an in-depth guide to performing security testing against computer networks, covering current tools and penetration testing methodologies. Updated for today's cyber security environment, the Third Edition of this trusted text features new computer security resources, coverage of emerging vulnerabilities and innovative methods to protect networks, a new discussion of mobile security, and information on current federal and state computer crime laws, including penalties for illegal computer hacking. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

MCSE Guide to Microsoft Windows 2000 Server - Michael J. Palmer 2000

Prepares individuals for Microsoft's MCSE Exam for Installing, Configuring, and Administering Microsoft Windows 2000 Server. Extensive hands-on projects, case projects, and review questions are featured in each chapter.

Digital Forensics in the Era of Artificial Intelligence - Nour Moustafa 2022-07-18

Digital forensics plays a crucial role in identifying, analysing, and presenting cyber threats as evidence in a court of law. Artificial intelligence, particularly machine learning and deep learning, enables automation of the digital investigation process. This book provides an in-depth look at the fundamental and advanced methods in digital forensics. It also discusses how machine learning and deep learning algorithms can be used to detect and investigate cybercrimes. This book demonstrates digital forensics and cyber-investigating techniques with real-world applications. It examines hard

disk analytics and stype architectures, including Master Boot Record and GUID Partition Table as part of the investigative process. It also covers cyberattack analysis in Windows, Linux, and network systems using virtual machines in real-world scenarios. Digital Forensics in the Era of Artificial Intelligence will be helpful for those interested in digital forensics and using machine learning techniques in the investigation of cyberattacks and the detection of evidence in cybercrimes.

Cybersecurity ??? Attack and Defense Strategies - Yuri Diogenes 2018-01-30

Enhance your organization's secure posture by improving your attack and defense strategies
Key Features Gain a clear understanding of the attack methods, and patterns to recognize abnormal behavior within your organization with Blue Team tactics. Learn to unique techniques to gather exploitation intelligence, identify risk and demonstrate impact with Red Team and Blue Team strategies. A practical guide that will give you hands-on experience to mitigate risks and prevent attackers from infiltrating your system.
Book Description The book will start talking about the security posture before moving to Red Team tactics, where you will learn the basic syntax for the Windows and Linux tools that are commonly used to perform the necessary operations. You will also gain hands-on experience of using new Red Team techniques with powerful tools such as python and PowerShell, which will enable you to discover vulnerabilities in your system and how to exploit them. Moving on, you will learn how a system is usually compromised by adversaries, and how they hack user's identity, and the various tools used by the Red Team to find vulnerabilities in a system. In the next section, you will learn about the defense strategies followed by the Blue Team to enhance the overall security of a system. You will also learn about an in-depth strategy to ensure that there are security controls in each network layer, and how you can carry out the recovery process of a compromised system. Finally, you will learn how to create a vulnerability management strategy and the different techniques for manual log analysis. By the end of this book, you will be well-versed with Red Team and Blue Team techniques and will have learned the techniques used nowadays to

attack and defend systems. What you will learn
Learn the importance of having a solid foundation for your security posture Understand the attack strategy using cyber security kill chain Learn how to enhance your defense strategy by improving your security policies, hardening your network, implementing active sensors, and leveraging threat intelligence Learn how to perform an incident investigation Get an in-depth understanding of the recovery process Understand continuous security monitoring and how to implement a vulnerability management strategy Learn how to perform log analysis to identify suspicious activities Who this book is for This book aims at IT professional who want to venture the IT security domain. IT pentester, Security consultants, and ethical hackers will also find this course useful. Prior knowledge of penetration testing would be beneficial.

Building a Secure Computer System - Morrie Gasser 1988

Little prior knowledge is needed to use this long-needed reference. Computer professionals and software engineers will learn how to design secure operating systems, networks and applications.

Hands-On Networking Fundamentals - Michael Palmer 2012-06-21

HANDS-ON-NETWORKING FUNDAMENTALS, Second Edition, helps readers learn network administration from the ground up. Designed to provide a solid foundation in essential concepts and methods, this detailed introduction requires no previous experience, covering all of the critical knowledge and skills information technology professionals need to work with network operating systems in a network administration environment. Like other textbooks in the Hands-On series, this highly practical guide features a variety of projects in every chapter, with activities integrated closely with core material to facilitate understanding, reinforce learning, and build essential skills at every step. Now thoroughly revised to reflect the latest advances in network technology, HANDS-ON-NETWORKING FUNDAMENTALS, Second Edition includes up-to-date coverage of key network operating systems, wireless and cellular networking, network protocols, and other important innovations in the field. Equally useful for students beginning to explore network

administration and professionals preparing for certification, this book is a reliable, effective resource for networking success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

UNIX - Syed Mansoor Sarwar 2016-11-03

UNIX: The Textbook, Third Edition provides a comprehensive introduction to the modern, twenty-first-century UNIX operating system. The book deploys PC-BSD and Solaris, representative systems of the major branches of the UNIX family, to illustrate the key concepts. It covers many topics not covered in older, more traditional textbook approaches, such as Python, UNIX System Programming from basics to socket-based network programming using the client-server paradigm, the Zettabyte File System (ZFS), and the highly developed X Windows-based KDE and Gnome GUI desktop environments. The third edition has been fully updated and expanded, with extensive revisions throughout. It features a new tutorial chapter on the Python programming language and its use in UNIX, as well as a complete tutorial on the git command with Github. It includes four new chapters on UNIX system programming and the UNIX API, which describe the use of the UNIX system call interface for file processing, process management, signal handling, interprocess communication (using pipes, FIFOs, and sockets), extensive coverage of internetworking with UNIX TCP/IP using the client-server software, and considerations for the design and implementation of production-quality client-server software using iterative and concurrent servers. It also includes new chapters on UNIX system administration, ZFS, and container virtualization methodologies using iocage, Solaris Jails, and VirtualBox. Utilizing the authors' almost 65 years of practical teaching experience at the college level, this textbook presents well-thought-out sequencing of old and new topics, well-developed and timely lessons, a Github site containing all of the code in the book plus exercise solutions, and homework exercises/problems synchronized with the didactic sequencing of chapters in the book. With the exception of four chapters on system programming, the book can be used very successfully by a complete novice, as well as by

an experienced UNIX system user, in both an informal and formal learning environment. The book may be used in several computer science and information technology courses, including UNIX for beginners and advanced users, shell and Python scripting, UNIX system programming, UNIX network programming, and UNIX system administration. It may also be used as a companion to the undergraduate and graduate level courses on operating system concepts and principles.

Guide to Operating Systems Security -

Michael J. Palmer 2004

This text is designed to expand networking student's basic network and operating system skills to include planning, implementation, and auditing of a system's security.

Mastering FreeBSD and OpenBSD Security -

Yanek Korff 2005-03-24

FreeBSD and OpenBSD are increasingly gaining traction in educational institutions, non-profits, and corporations worldwide because they provide significant security advantages over Linux. Although a lot can be said for the robustness, clean organization, and stability of the BSD operating systems, security is one of the main reasons system administrators use these two platforms. There are plenty of books to help you get a FreeBSD or OpenBSD system off the ground, and all of them touch on security to some extent, usually dedicating a chapter to the subject. But, as security is commonly named as the key concern for today's system administrators, a single chapter on the subject can't provide the depth of information you need to keep your systems secure. FreeBSD and OpenBSD are rife with security "building blocks" that you can put to use, and *Mastering FreeBSD and OpenBSD Security* shows you how. Both operating systems have kernel options and filesystem features that go well beyond traditional Unix permissions and controls. This power and flexibility is valuable, but the colossal range of possibilities need to be tackled one step at a time. This book walks you through the installation of a hardened operating system, the installation and configuration of critical services, and ongoing maintenance of your FreeBSD and OpenBSD systems. Using an application-specific approach that builds on your existing

knowledge, the book provides sound technical information on FreeBSD and Open-BSD security with plenty of real-world examples to help you configure and deploy a secure system. By imparting a solid technical foundation as well as practical know-how, it enables administrators to push their server's security to the next level. Even administrators in other environments--like Linux and Solaris--can find useful paradigms to emulate. Written by security professionals with two decades of operating system experience, *Mastering FreeBSD and OpenBSD Security* features broad and deep explanations of how to secure your most critical systems. Where other books on BSD systems help you achieve functionality, this book will help you more thoroughly secure your deployments.

[File System Forensic Analysis](#) - Brian Carrier
2005-03-17

The Definitive Guide to File System Analysis: Key Concepts and Hands-on Techniques Most digital evidence is stored within the computer's file system, but understanding how file systems work is one of the most technically challenging concepts for a digital investigator because there exists little documentation. Now, security expert Brian Carrier has written the definitive reference for everyone who wants to understand and be able to testify about how file system analysis is performed. Carrier begins with an overview of investigation and computer foundations and then gives an authoritative, comprehensive, and illustrated overview of contemporary volume and file systems: Crucial information for discovering hidden evidence, recovering deleted data, and validating your tools. Along the way, he describes data structures, analyzes example disk images, provides advanced investigation scenarios, and uses today's most valuable open source file system analysis tools—including tools he personally developed. Coverage includes Preserving the digital crime scene and duplicating hard disks for "dead analysis" Identifying hidden data on a disk's Host Protected Area (HPA) Reading source data: Direct versus BIOS access, dead versus live acquisition, error handling, and more Analyzing DOS, Apple, and GPT partitions; BSD disk labels; and Sun Volume Table of Contents using key concepts, data structures, and specific

techniques Analyzing the contents of multiple disk volumes, such as RAID and disk spanning Analyzing FAT, NTFS, Ext2, Ext3, UFS1, and UFS2 file systems using key concepts, data structures, and specific techniques Finding evidence: File metadata, recovery of deleted files, data hiding locations, and more Using The Sleuth Kit (TSK), Autopsy Forensic Browser, and related open source tools When it comes to file system analysis, no other book offers this much detail or expertise. Whether you're a digital forensics specialist, incident response team member, law enforcement officer, corporate security specialist, or auditor, this book will become an indispensable resource for forensic investigations, no matter what analysis tools you use.

Guide to Linux Installation and

Administration - Nicholas Wells 2003

Covers the essentials of installing, configuring, maintaining, administering, and troubleshooting the Linux Operating System, and provides preparation for Exams 1 and 2 of the LCA Certification from Sair Linux and GNU, and Level One exams of the LPI Certification.

Guide to Microsoft Windows Server 2003

Command Line Administration - Deborah Haralson 2004

Written specifically from the perspective of network administrators and system engineers, this text presents essential coverage of command line users require to configure operating systems.

Guide to Operating Systems - Michael Palmer 2002

Provides the information needed to understand and support desktop and network operating systems in use today.

Hands-On Microsoft Windows Server 2016 - Michael Palmer 2017-03-31

HANDS-ON MICROSOFT WINDOWS SERVER 2016 is the perfect resource for learning Windows Server 2016 from the ground up. Designed to build a foundation in basic server administration, this book requires no previous server experience. It covers all of the critical Windows Server 2016 features, including the advantages unique to this new server operating system. Readers learn how to choose the right server edition for their needs. They also learn to install, configure, customize, manage, and

troubleshoot today's servers most effectively. If the reader is new to server administration, this book provides the background and knowledge needed to manage servers on small to large networks. If the reader is an experienced server administrator, this book provides a fast way to get up to speed on new Windows Server 2016 administration. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Hands-On Ethical Hacking and Network Defense - Michael T. Simpson 2010-03-17

Hands-On Ethical Hacking and Network Defense, Second Edition provides an in-depth understanding of how to effectively protect computer networks. This book describes the tools and penetration testing methodologies used by ethical hackers and provides a thorough discussion of what and who an ethical hacker is and how important they are in protecting corporate and government data from cyber attacks. Readers are provided with updated computer security resources that describe new vulnerabilities and innovative methods to protect networks. Also included is a thorough update of federal and state computer crime laws, as well as changes in penalties for illegal computer hacking. With cyber-terrorism and corporate espionage threatening the fiber of our world, the need for trained network security professionals continues to grow. Hands-On Ethical Hacking and Network Defense, Second Edition provides a structured knowledge base to prepare readers to be security professionals who understand how to protect a network by using the skills and tools of an ethical hacker. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Security Power Tools - Bryan Burns 2007-08-27

What if you could sit down with some of the most talented security engineers in the world and ask any network security question you wanted? Security Power Tools lets you do exactly that! Members of Juniper Networks' Security Engineering team and a few guest experts reveal how to use, tweak, and push the most popular network security applications, utilities, and tools available using Windows, Linux, Mac OS X, and

Unix platforms. Designed to be browsed, Security Power Tools offers you multiple approaches to network security via 23 cross-referenced chapters that review the best security tools on the planet for both black hat techniques and white hat defense tactics. It's a must-have reference for network administrators, engineers and consultants with tips, tricks, and how-to advice for an assortment of freeware and commercial tools, ranging from intermediate level command-line operations to advanced programming of self-hiding exploits. Security Power Tools details best practices for:

Reconnaissance -- including tools for network scanning such as nmap; vulnerability scanning tools for Windows and Linux; LAN reconnaissance; tools to help with wireless reconnaissance; and custom packet generation

Penetration -- such as the Metasploit framework for automated penetration of remote computers; tools to find wireless networks; exploitation framework applications; and tricks and tools to manipulate shellcodes

Control -- including the configuration of several tools for use as backdoors; and a review of known rootkits for Windows and Linux

Defense -- including host-based firewalls; host hardening for Windows and Linux networks; communication security with ssh; email security and anti-malware; and device security testing

Monitoring -- such as tools to capture, and analyze packets; network monitoring with Honeyd and snort; and host monitoring of production servers for file changes

Discovery -- including The Forensic Toolkit, SysInternals and other popular forensic tools; application fuzzer and fuzzing techniques; and the art of binary reverse engineering using tools like Interactive Disassembler and Ollydbg

A practical and timely network security ethics chapter written by a Stanford University professor of law completes the suite of topics and makes this book a goldmine of security information. Save yourself a ton of headaches and be prepared for any network security dilemma with Security Power Tools.

Android Security Internals - Nikolay Elenkov
2014-10-14

There are more than one billion Android devices in use today, each one a potential target. Unfortunately, many fundamental Android security features have been little more than a

black box to all but the most elite security professionals—until now. In Android Security Internals, top Android security expert Nikolay Elenkov takes us under the hood of the Android security system. Elenkov describes Android security architecture from the bottom up, delving into the implementation of major security-related components and subsystems, like Binder IPC, permissions, cryptographic providers, and device administration. You'll learn:

- How Android permissions are declared, used, and enforced
- How Android manages application packages and employs code signing to verify their authenticity
- How Android implements the Java Cryptography Architecture (JCA) and Java Secure Socket Extension (JSSE) frameworks
- About Android's credential storage system and APIs, which let applications store cryptographic keys securely
- About the online account management framework and how Google accounts integrate with Android
- About the implementation of verified boot, disk encryption, lockscreen, and other device security features
- How Android's bootloader and recovery OS are used to perform full system updates, and how to obtain root access

With its unprecedented level of depth and detail, Android Security Internals is a must-have for any security-minded Android developer.

Hands-On Microsoft Windows Server 2016 -
Michael Palmer 2017-03-31

HANDS-ON MICROSOFT WINDOWS SERVER 2016 is the perfect resource for learning Windows Server 2016 from the ground up. Designed to build a foundation in basic server administration, this book requires no previous server experience. It covers all of the critical Windows Server 2016 features, including the advantages unique to this new server operating system. Readers learn how to choose the right server edition for their needs. They also learn to install, configure, customize, manage, and troubleshoot today's servers most effectively. If the reader is new to server administration, this book provides the background and knowledge needed to manage servers on small to large networks. If the reader is an experienced server administrator, this book provides a fast way to get up to speed on new Windows Server 2016 administration. Important Notice: Media content referenced within the product description or the

product text may not be available in the ebook version.

Guide to UNIX Using Linux - Michael J. Palmer 2005

Hands-on, practical guide that teaches the fundamentals of the UNIX operating system concepts, architecture and administration using Linux.

Foundations of Information Security - Jason Andress 2019-10-15

High-level overview of the information security field. Covers key concepts like confidentiality, integrity, and availability, then dives into practical applications of these ideas in the areas of operational, physical, network, application, and operating system security. In this high-level survey of the information security field, best-selling author Jason Andress covers the basics of a wide variety of topics, from authentication and authorization to maintaining confidentiality and performing penetration testing. Using real-world security breaches as examples, *Foundations of Information Security* explores common applications of these concepts, such as operations security, network design, hardening and patching operating systems, securing mobile devices, as well as tools for assessing the security of hosts and applications. You'll also learn the basics of topics like:

- Multifactor authentication and how biometrics and hardware tokens can be used to harden the authentication process
- The principles behind modern cryptography, including symmetric and asymmetric algorithms, hashes, and certificates
- The laws and regulations that protect systems and data
- Anti-malware tools, firewalls, and intrusion detection systems
- Vulnerabilities such as buffer overflows and race conditions

A valuable resource for beginning security professionals, network systems administrators, or anyone new to the field, *Foundations of Information Security* is a great place to start your journey into the dynamic and rewarding field of information security.

Guide to Operating Systems - Michael Palmer 2012-09-20

GUIDE TO OPERATING SYSTEMS, 4E provides the theory and technical information professionals need as they work with today's popular operating systems, such as Windows, Mac OS, and UNIX/Linux platforms. Topics

include operating system theory, installation, upgrading, configuring (operating system and hardware), file systems, security, hardware options, and storage, as well as resource sharing, network connectivity, maintenance, and troubleshooting. Designed to be easily understood and highly practical, GUIDE TO OPERATING SYSTEMS, 4E is an excellent resource for training across different operating systems. GUIDE TO OPERATING SYSTEMS, 4E prepares readers to understand the fundamental concepts of computer operating systems. The book specifically addresses Windows XP, Windows Vista, Windows 7, Windows Server 2003 and Windows Server 2003 R2, Windows Server 2008 and Windows Server 2008 R2, SUSE Linux, Fedora Linux, Red Hat Linux, and Mac OS X (Panther, Tiger, Leopard, and Snow Leopard), and provides information on all network operating subjects. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Verbal Behavior - Burrhus Frederic Skinner 1957

Guide to UNIX System Administration - Jason W. Eckert 2003

Provides a solid, hands-on foundation of the UNIX operating system, and offers detailed coverage of installation, management, and administration.

System Overview of Cyber-Technology in a Digitally Connected Global Society - Joseph O. Esin 2017-01-16

The author acknowledges the links between education, technology, network operating systems, data, and information transmission and communications, cybertechnology, culture of education, instruction, and learning. In essence, recognizing the correlation among the education and the world of codified technology, this book will assist in providing a deeper understanding and greater improvement of instructional methods and strategies. In addition, this book will provide a correlation between education and technology as a promising and systematic approach for moving away from or conventional methods of classroom instruction and learning endeavors. The readers, in essence, will see the integration of education and cybertechnology as

a pinnacle of educational reform for current and future generations. Furthermore, the contents of this book also help expound the benefits and the broad range of possibilities that technology can offer in education, instruction, and the learning process. The proliferation of the uncertain telegraph and mechanized printing machines changed the quality of human writing. We can also expect the use of a well-synthesized educational technology textbook for instruction and learning to lead to the same startling changes in human society. It is the authors view that the anticipated changes should not assume any deficiency on the part of the professors,

instructors, and allied educators. Rather, it should ascertain that educators need to be proficient in the use of technology to manage and deliver instruction in different subject areas, such as computer information technology, network technology, wired and wireless technology, and cyber security threats. The author firmly believes that current and future learners are essentially the conglomeration of unfurnished learner materials that are ready and willing to be furnished by the educational system.

Safeguarding Your Technology - Tom Szuba
1998