Solarwinds Administrator Guide File Type

Written by today's leading experts in industry and academia, Wireless IP and Building the Mobile Internet is the first book to take a comprehensive look at the convergence of wireless and Internet technologies that are giving rise to the mobile wireless Internet. This cutting-edge resource provides you with an overview of all the elements required to understand and develop future IP based wireless multimedia communications and services. The book shows you how to integrate the latest technologies in mobility, wireless, and the Internet to achieve workable end-to-end solutions. You get detailed coverage of wireless IP and its relationship with other mobile technologies such as GPRS and UMTS. Moreover, this essential reference features discussions on wireless IP evolution; quality of service; resource management; TCP/IP in wireless IP networks; handoff, mobility and signaling; and services and applications. Essential reading for practicing mobile communications engineers, designers, and engineering managers, the book is also easily adoptable as a text for graduate-level courses.

Investigating the Cyber Breach The Digital Forensics Guide for the Network Engineer · Understand the realities of cybercrime and today's attacks · Build a digital forensics lab to test tools and methods, and gain expertise · Take the right actions as soon as you discover a breach · Determine the full scope of an investigation and the role you'll play · Properly collect, document, and preserve evidence and data · Collect and analyze data from PCs, Macs, IoT devices, and other endpoints · Use packet logs, NetFlow, and scanning to build timelines, understand network activity, and collect evidence · Analyze iOS and Android devices, and understand encryption-related obstacles to investigation · Investigate and trace email, and identify fraud or abuse · Use social media to investigate individuals or online identities · Gather, extract, and analyze breach data with Cisco tools and techniques · Walk through common breaches and responses from start to finish · Choose the right tool for each task, and explore alternatives that might also be helpful The professional's go-to digital forensics resource for countering attacks right now Today, cybersecurity and networking professionals know they can't possibly prevent every breach, but they can substantially reduce risk by quickly identifying and blocking breaches as they occur. Investigating the Cyber Breach: The Digital Forensics Guide for the Network Engineer is the first comprehensive guide to doing just that. Writing for working professionals, senior cybersecurity experts Joseph Muniz and Aamir Lakhani present up-to-the-minute techniques for hunting attackers, following their movements within networks, halting exfiltration of data and intellectual property, and collecting evidence for investigation and prosecution. You'll learn how to make the most of today's best open source and Cisco tools for cloning, data analytics, network and endpoint breach detection, case management, monitoring, analysis, and more. Unlike digital forensics books focused primarily on post-attack evidence gathering, this one offers complete coverage of tracking threats, improving intelligence, rooting out dormant malware, and responding effectively to breaches underway right now. This book is part of the Networking Technology: Security Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers.

Before the Internet became widely known as a global tool for terrorists, one perceptive U.S. citizen recognized its ominous potential. Armed with clear evidence of computer espionage, he began a highly personal quest to expose a hidden network of spies that threatened national security. But would the authorities back him up? Cliff Stoll's dramatic firsthand account is "a computer-age detective story, instantly fascinating [and] astonishingly gripping" (Smithsonian). Cliff Stoll was an astronomer turned systems manager at Lawrence Berkeley Lab when a 75-cent accounting error alerted him to the presence of an unauthorized user on his system. The hacker's code name was "Hunter"—a mysterious invader who managed to break into U.S. computer systems and steal sensitive military and security information. Stoll began a one-man hunt of his own: spying on the spy. It was a dangerous game of deception, broken codes, satellites, and missile bases—a one-man sting operation that finally gained the attention of the CIA . . . and ultimately trapped an international spy ring fueled by cash, cocaine, and the KGB.

The security field evolves rapidly becoming broader and more complex each year. The common thread tying the field together is the discipline of management. The Best Damn Security Manager's Handbook Period has comprehensive coverage of all management issues facing IT and security professionals and is an ideal resource for those dealing with a changing daily workload. Coverage includes Business Continuity, Disaster Recovery, Risk Assessment, Protection Assets, Project Management, Security Operations, and Security Management, and Security Design & Integration. Compiled from the best of the Syngress and Butterworth Heinemann libraries and authored by business continuity expert Susan Snedaker, this volume is an indispensable addition to a serious security professional's toolkit. * An all encompassing book, covering general security management issues and providing specific guidelines and checklists * Anyone studying for a security specific certification or ASIS certification will find this a valuable resource * The only book to cover all major IT and security management issues in one place: disaster recovery, project management, operations management, and risk assessment

Cybersecurity Blue Team Toolkit

Ethical Hacking and Penetration Testing Guide

CompTIA Security+ All-in-One Exam Guide, Sixth Edition (Exam SY0-601))

Guide to TCP/IP

The Complete Management Guide

Network+ Guide to Networks

Equip current and future user-support professionals with the critical people skills and exceptional technical knowledge necessary to provide outstanding support with Beisse's A GUIDE TO

COMPUTER USER SUPPORT FOR HELP DESK AND SUPPORT SPECIALISTS, 6E. This useful guide focuses on the informational resources and technical tools students need most to function effectively in a support position. Readers develop the skills to handle troubleshooting and problem solving, successfully communicate with clients, determine a client's specific needs, and train end-users, as well as handle budgeting and other management priorities. Clear, balanced coverage in this edition highlights the latest trends and developments, from Web and e-mail-based support to assistance with Windows 7 and cloud computing. Engaging special features, such as Tips and On the Web Pointers, provide important insights, while new Discussion Questions and Case Projects encourage active participation in the learning process. Leading professional software HelpSTAR and Microsoft Office Project Professional 2010 accompany Beisse's A GUIDE TO COMPUTER USER SUPPORT FOR HELP DESK AND SUPPORT SPECIALISTS, 6E to reinforce the knowledge and skills your students need for success in today's user-support positions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This fully updated study guide covers every topic on the current version of the CompTIA Security+ exam Get complete coverage of all objectives included on the CompTIA Security+ exam SY0-601 from this comprehensive resource. Written by a team of leading information security experts, this authoritative guide fully addresses the skills required to perform essential security functions and to secure hardware, systems, and software. You'll find learning objectives at the beginning of each chapter, exam tips, practice exam questions, and in-depth explanations. Designed to help you pass the exam with ease, this definitive volume also serves as an essential on-the-job reference. Covers all exam domains, including: Threats, Attacks, and Vulnerabilities Architecture and Design Implementation Operations and Incident Response Governance, Risk, and Compliance Online content includes: 250 practice exam questions Test engine that provides full-length practice exams and customizable quizzes by chapter or by exam domain

A Guide to Computer User Support for Help Desk and Support SpecialistsCengage Learning

This fully updated, money-saving collection covers every objective on the CompTIA Security+ exam SY0-501 and contains bonus content This up-to-date test preparation bundle covers every objective on the latest version of the CompTIA Security+ exam. Designed to be the ultimate self-study resource, the bundle includes the current editions of CompTIA Security+ Certification Study Guide and CompTIA Security+ Certification Practice Exams and exclusive electronic content—all at a discount of 12% off of the suggested retail price. CompTIA Security+ Certification Bundle, Third Edition, provides examinees with a wide variety of exam-focused preparation resources. Bonus content includes a quick review guide, a security audit checklist, and a URL reference list. Electronic content from the two books features author-led video training, lab simulations, and customizable test engine software that contains four complete practice exams. • 12% cheaper than purchasing the books individually, and features content unavailable elsewhere • Includes a 10% off exam voucher coupon, a $37 value • CompTIA Approved Quality Content (CAQC)—provides complete coverage of every objective on exam SY0-501

Designing Data-Intensive Applications

SolarWinds Server & Application Monitor : Deployment and Administration

CEH v9

CUCKOO'S EGG

MSDN Magazine

Comprehensive coverage of the new CASP+ exam, with hands-on practice and interactive study tools The CASP+ CompTIA Advanced Security Practitioner Study Guide: Exam CAS-003, Third Edition, offers invaluable preparation for exam CAS-003. Covering 100 percent of the exam objectives, this book provides expert walk-through of essential security concepts and processes to help you tackle this challenging exam with full confidence. Practical examples and real-world insights illustrate critical topics and show what essential practices look like on the ground, while detailed explanations of technical and business concepts give you the background you need to apply identify and implement appropriate security solutions. End-of-chapter reviews help solidify your understanding of each objective, and cutting-edge exam prep software features electronic flashcards, hands-on lab exercises, and hundreds of practice questions to help you test your knowledge in advance of the exam. The next few years will bring a 45-fold increase in digital data, and at least one third of that data will pass through the cloud. The level of risk to data everywhere is growing in parallel, and organizations are in need of qualified data security professionals; the CASP+ certification validates this in-demand skill set, and this book is your ideal resource for passing the exam. Master cryptography, controls, vulnerability analysis, and network security Identify risks and execute mitigation planning, strategies, and controls Analyze security trends and their impact on your organization Integrate business and technical components to achieve a secure enterprise architecture CASP+ meets the ISO 17024 standard, and is approved by U.S. Department of Defense to fulfill Directive 8570.01-M requirements. It is also compliant with government regulations under the Federal Information Security Management Act (FISMA). As such, this career-building credential makes you in demand in the marketplace and shows that you are qualified to address enterprise-level security concerns. The CASP+ CompTIA Advanced Security Practitioner Study Guide: Exam CAS-003, Third Edition, is the preparation resource you need to take the next big step for your career and pass with flying colors.

A concise and practical guide to using SolarWinds Server & Application Monitor. If you are an IT professionals ranging from an entry-level technician to a more advanced network or system administrator who is new to network monitoring services and/or SolarWinds SAM, this book is ideal for you.

This book is written in a friendly manner written by an expert with numerous years of practical experience utilizing SolarWinds Orion NPM as a network monitoring solution.This book is for systems administrators, system analysts, and systems engineers who are tasked with installing and implementing a network performance monitor. Knowledge of basic network concepts is required.

Prepare for the new Certified Ethical Hacker version 8 exam with this Sybex guide Security professionals remain in high demand. The Certified Ethical Hacker is a

one-of-a-kind certification designed to give the candidate a look inside the mind of a hacker. This study guide provides a concise, easy-to-follow approach that covers all of the exam objectives and includes numerous examples and hands-on exercises. Coverage includes cryptography, footprinting and reconnaissance, scanning networks, enumeration of services, gaining access to a system, Trojans, viruses, worms, covert channels, and much more. A companion website includes additional study tools, Including practice exam and chapter review questions and electronic flashcards. Security remains the fastest growing segment of IT, and CEH certification provides unique skills The CEH also satisfies the Department of Defense's 8570 Directive, which requires all Information Assurance government positions to hold one of the approved certifications This Sybex study guide is perfect for candidates studying on their own as well as those who are taking the CEHv8 course Covers all the exam objectives with an easy-to-follow approach Companion website includes practice exam questions, flashcards, and a searchable Glossary of key terms CEHv8: Certified Ethical Hacker Version 8 Study Guide is the book you need when you're ready to tackle this challenging exam Also available as a set, Ethical Hacking and Web Hacking Set, 9781119072171 with The Web Application Hacker's Handbook: Finding and Exploiting Security Flaws, 2nd Edition.
Maximum Windows 2000 Security
Ethical Hacking and Countermeasures: Attack Phases
The Big Ideas Behind Reliable, Scalable, and Maintainable Systems
Cybersecurity Readiness
New Perspectives on Microsoft Windows 2000 MS-DOS Command Line
CompTIA Security+ Certification Bundle, Third Edition (Exam SY0-501)

Your one-stop reference for Windows Server 2019 and PowerShell know-how Windows Server 2019 & PowerShell All-in-One For Dummies offers a single reference to help you build and expand your knowledge of all things Windows Server, including the all-important PowerShell framework. Written by an information security pro and professor who trains aspiring system administrators, this book covers the broad range of topics a system administrator needs to know to run Windows Server 2019, including how to install, configure, and secure a system. This book includes coverage of: Installing & Setting Up Windows Server Configuring Windows Server 2019 Administering Windows Server 2019 Configuring Networking Managing Security Working with Windows PowerShell Installing and Administering Hyper-V Installing, Configuring, and Using Containers If you're a budding or experienced system administrator looking to build or expand your knowledge of Windows Server, this book has you covered.

CEH can be said as a certified ethical hacker. This certification is a professional certificate and it is awarded by the EC council (international council of E-commerce consultant). An ethical hacker is a name that is given to penetration testing/ tester. An ethical hacker is employed by the organization with full trust with the employer (ethical hacker) for attempting the penetrating the computer system in order to find and fix all the computer security vulnerabilities. Computer security vulnerabilities also include illegal hacking (gaining authorization to some other computer systems). These activities are criminal activities in almost all countries. Doing a penetrating test in a particular system with the permission of the owner is done and also possible except in Germany. This certification validates the knowledge and skills that are required on how to look for the vulnerabilities as well as weaknesses in a particular computer.

Data is at the center of many challenges in system design today. Difficult issues need to be figured out, such as scalability, consistency, reliability, efficiency, and maintainability. In addition, we have an overwhelming variety of tools, including relational databases, NoSQL datastores, stream or batch processors, and message brokers. What are the right choices for your application? How do you make sense of all these buzzwords? In this practical and comprehensive guide, author Martin Kleppmann helps you navigate this diverse landscape by examining the pros and cons of various technologies for processing and storing data. Software keeps changing, but the fundamental principles remain the same. With this book, software engineers and architects will learn how to apply those ideas in practice, and how to make full use of data in modern applications. Peer under the hood of the systems you already use, and learn how to use and operate them more effectively Make informed decisions by identifying the strengths and weaknesses of different tools Navigate the trade-offs around consistency, scalability, fault tolerance, and complexity Understand the distributed systems research upon which modern databases are built Peek behind the scenes of major online services, and learn from their architectures

An application administrator installs, updates, optimizes, debugs and otherwise maintains computer applications for an organization. In most cases, these applications have been licensed from a third party, but they may have been developed internally. Examples of application types include enterprise resource planning (ERP), customer resource management (CRM), and point of sale (POS), legal contract management, time tracking, accounts payable/receivable, payroll, SOX compliance tracking, budgeting, forecasting and training. In many cases, the organization is absolutely dependent that these applications be kept running. The importance of application administrators and the level to which organizations depend upon them is easily overlooked. Application Administrators Handbook provides an overview of every phase of administering an application, from working with the vendor before installation, the installation process itself, importing data into the application, handling upgrades, working with application users to report problems, scheduling backups, automating tasks that need to be done on a repetitive schedule, and finally retiring an application. It provides detailed, hands-on instructions on how to perform many specific tasks that an application administrator must be able to handle. Learn how to install, administer and maintain key software applications throughout the product life cycle Get detailed, hands-on instructions on steps that should be taken before installing or upgrading an application to ensure continuous operation Identify repetitive tasks and find out how they can be automated, thereby saving valuable time Understand the latest on government mandates and regulations, such as privacy, SOX, HIPAA, PCI, and FISMA and how to fully comply

A Guide for the Accidental DBA
The Digital Forensics Guide for the Network Engineer
A Holistic and High-Performance Approach
CCNA Cyber Ops SECOPS ⬜ Certification Guide 210-255

Ethical Hacking and Countermeasures: Linux, Macintosh and Mobile Systems

CEH v10 Certified Ethical Hacker Practice Exams & Dumps

Requiring no prior hacking experience, Ethical Hacking and Penetration Testing Guide supplies a complete introduction to the steps required to complete a penetration test, or ethical hack, from beginning to end. You will learn how to properly utilize and interpret the results of modern-day hacking tools, which are required to complete a penetration test. The book covers a wide range of tools, including Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. Supplying a simple and clean explanation of how to effectively utilize these tools, it details a four-step methodology for conducting an effective penetration test or hack.Providing an accessible introduction to penetration testing and hacking, the book supplies you with a fundamental understanding of offensive security. After completing the book you will be prepared to take on in-depth and advanced topics in hacking and penetration testing. The book walks you through each of the steps and tools in a structured, orderly manner allowing you to understand how the output from each tool can be fully utilized in the subsequent phases of the penetration test. This process will allow you to clearly see how the various tools and phases relate to each other. An ideal resource for those who want to learn about ethical hacking but don?t know where to start, this book will help take your hacking skills to the next level. The topics described in this book comply with international standards and with what is being taught in international certifications.

Accompanying CD-ROM contains: Pearson IT Certification Practice Test Engine, with two practice exams and access to a large library of exam-realistic questions; memory tables, lists, and other resources, all in searchable PDF format.

A practical handbook to cybersecurity for both tech and non-tech professionals As reports of major data breaches fill the headlines, it has become impossible for any business, large or small, to ignore the importance of cybersecurity. Most books on the subject, however, are either too specialized for the non-technical professional or too general for positions in the IT trenches. Thanks to author Nadean Tanner's wide array of experience from teaching at a University to working for the Department of Defense, the Cybersecurity Blue Team Toolkit strikes the perfect balance of substantive and accessible, making it equally useful to those in IT or management positions across a variety of industries. This handy guide takes a simple and strategic look at best practices and tools available to both cybersecurity management and hands-on professionals, whether they be new to the field or looking to expand their expertise. Tanner gives comprehensive coverage to such crucial topics as security assessment and configuration, strategies for protection and defense, offensive measures, and remediation while aligning the concept with the right tool using the CIS Controls version 7 as a guide. Readers will learn why and how to use fundamental open source and free tools such as ping, tracert, PuTTY, pathping, sysinternals, NMAP, OpenVAS, Nexpose Community, OSSEC, Hamachi, InSSIDer, Nexpose Community, Wireshark, Solarwinds Kiwi Syslog Server, Metasploit, Burp, Clonezilla and many more. Up-to-date and practical cybersecurity instruction, applicable to both management and technical positions • Straightforward explanations of the theory behind cybersecurity best practices • Designed to be an easily navigated tool for daily use • Includes training appendix on Linux, how to build a virtual lab and glossary of key terms The Cybersecurity Blue Team Toolkit is an excellent resource for anyone working in digital policy as well as IT security professionals, technical analysts, program managers, and Chief Information and Technology Officers. This is one handbook that won't gather dust on the shelf, but remain a valuable reference at any career level, from student to executive.

Written from the hacker's perspective,Maximum Windows 2000 Securityis a comprehensive, solutions-oriented guide to Windows 2000 security.Topics include: Physical & File System Security, Password Security, Malicious Code, Windows 2000 Network Security Architecture and Professional Protocols, Web Server Security, Denial of Service Attacks, Intrusion Detection, Hacking Secure Code in Windows 2000.

A Guide to Computer User Support for Help Desk & Support Specialists

CEH Certified Ethical Hacker Study Guide

The Best Damn IT Security Management Book Period

Popular Science

Exam CAS-003

700+ Exam Questions with their Answers for CEH v10 Exam

Full Coverage of All Exam Objectives for the CEH Exams 312-50 and EC0-350 Thoroughly prepare for the challenging CEH Certified Ethical Hackers exam with this comprehensive study guide. The book provides full coverage of exam topics, real-world examples, and includes a CD with chapter review questions, two full-length practice exams, electronic flashcards, a glossary of key terms, and the entire book in a searchable pdf e-book. What's Inside: Covers ethics and legal issues, footprinting, scanning, enumeration, system hacking, trojans and backdoors, sniffers, denial of service, social engineering, session hijacking, hacking Web servers, Web application vulnerabilities, and more Walks you through exam topics and includes plenty of real-world

scenarios to help reinforce concepts Includes a CD with an assessment test, review questions, practice exams, electronic flashcards, and the entire book in a searchable pdf

Requiring no prior hacking experience, Ethical Hacking and Penetration Testing Guide supplies a complete introduction to the steps required to complete a penetration test, or ethical hack, from beginning to end. You will learn how to properly utilize and interpret the results of modern-day hacking tools, which are required to complete a penetration test. The book covers a wide range of tools, including Backtrack Linux, Google reconnaissance, MetaGooFil, dig, Nmap, Nessus, Metasploit, Fast Track Autopwn, Netcat, and Hacker Defender rootkit. Supplying a simple and clean explanation of how to effectively utilize these tools, it details a four-step methodology for conducting an effective penetration test or hack.Providing an accessible introduction to penetration testing and hacking, the book supplies you with a fundamental understanding of offensive security. After completing the book you will be prepared to take on in-depth and advanced topics in hacking and penetration testing. The book walks you through each of the steps and tools in a structured, orderly manner allowing you to understand how the output from each tool can be fully utilized in the subsequent phases of the penetration test. This process will allow you to clearly see how the various tools and phases relate to each other. An ideal resource for those who want to learn about ethical hacking but dont know where to start, this book will help take your hacking skills to the next level. The topics described in this book comply with international standards and with what is being taught in international certifications.

This text provides a comprehensive look at TCP/IP. It includes coverage of the latest TCP/IP stack implementations, illustrating key skills with extensive hands-on projects, in-depth case projects, and review questions in each chapter.

Popular Science gives our readers the information and tools to improve their technology and their world. The core belief that Popular Science and our readers share: The future is going to be better, and science and technology are the driving forces that will help make it better.

LANs to WANs

Investigating the Cyber Breach

Certified Ethical Hacker Version 9 Study Guide

Big Data Analytics in Cybersecurity

SolarWinds Orion Network Performance Monitor

Certified Ethical Hacker (CEH) Cert Guide

Network automation is the process of efficiently automating the management and functionality of networks. Through practical use-cases and examples, this book introduces you to the popular tools such as Python, Ansible, Chef and more, that are used to automate a network.

Trust the best selling Official Cert Guide series from Cisco Press to help you learn, prepare, and practice for exam success. They are built with the objective of providing assessment, review, and practice to help ensure you are fully prepared for your certification exam. Master Cisco CCDA 200-310 exam topics Assess your knowledge with chapter-opening quizzes Review key concepts with exam preparation tasks This is the eBook edition of the CCDA 200-310 Official Cert Guide. This eBook does not include the practice exam that comes with the print edition. CCDA 200-310 Official Cert Guide presents you with an organized test preparation routine through the use of proven series elements and techniques. " Do I Know This Already?" quizzes open each chapter and allow you to decide how much time you need to spend on each section. Exam topic lists make referencing easy. Chapter-ending Exam Preparation Tasks help you drill on key concepts you must know thoroughly. CCDA 200-310 Official Cert Guide focuses specifically on the objectives for the newest Cisco CCDA DESGN exam. Expert networking consultants Anthony Bruno and Steve Jordan share preparation hints and test-taking tips, helping you identify areas of weakness and improve both your conceptual knowledge and hands-on skills. Material is presented in a concise manner, focusing on increasing your understanding and retention of exam topics. Well-regarded for its level of detail, assessment features, comprehensive design scenarios, and challenging review questions and exercises, this official study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The official study guide helps you master all the topics on the new CCDA DESGN exam, including: Design methodologies, including PBM, network characterization, and top-down/bottom-up approaches Design objectives: modularity, hierarchy, scalability, resilience, fault domains Addressing and routing protocols in existing networks Enterprise network design: campus, enterprise, and branch Expanding existing networks: wireless, security, collaboration, virtualization, programmability, data centers, and more CCDA 200-310 Official Cert Guide is part of a recommended learning path from Cisco that includes simulation and hands-on training from authorized Cisco Learning Partners and self-study products from Cisco Press. To find out more about instructor-led training, e-learning, and hands-on instruction offered by authorized Cisco Learning Partners worldwide, please visit http://www.cisco.com/web/learning/index.html

Part of the New Perspectives Series, this text offers a case based, problem-solving approach to learning basic through advanced Microsoft DOS skills.

Big data is presenting challenges to cybersecurity. For an example, the Internet of Things (IoT) will reportedly soon generate a staggering 400 zettabytes (ZB) of data a year. Self-driving cars are predicted to churn out 4000 GB of data per hour of driving. Big data analytics, as an emerging analytical technology, offers the capability to collect, store, process, and visualize these vast amounts of data. Big Data Analytics in Cybersecurity examines security challenges surrounding big data and provides actionable insights that can be used to improve the current practices of network operators and administrators. Applying big data analytics in cybersecurity is critical. By exploiting data from the networks and computers, analysts can discover useful network information from data. Decision makers can make more informative decisions by using this analysis, including what actions need to be performed, and improvement recommendations to policies, guidelines, procedures, tools, and other aspects of the network processes. Bringing together experts from academia, government laboratories, and industry, the book provides insight to both new and more experienced security professionals, as well as data analytics professionals who have varying levels of cybersecurity expertise. It covers a wide range of topics in cybersecurity, which include: Network forensics Threat analysis Vulnerability assessment Visualization Cyber training. In addition, emerging security domains such as the IoT, cloud computing, fog computing, mobile computing, and cyber-social networks are examined. The book first focuses on how big data analytics can be used in different aspects of cybersecurity including network forensics, root-cause analysis, and security training. Next it discusses big data challenges and solutions in such emerging cybersecurity domains as fog computing, IoT, and mobile app security. The book concludes by presenting the tools and datasets for future cybersecurity research.

Mastering the Seven Key Areas of System Security
CCDA 200-310 Official Cert Guide
CASP+ CompTIA Advanced Security Practitioner Study Guide
A Guide to Computer User Support for Help Desk and Support Specialists
Practical Network Automation
CEH: Certified Ethical Hacker Version 8 Study Guide

Develop your cybersecurity knowledge to obtain CCNA Cyber Ops certification and gain professional skills to identify and remove potential threats Key FeaturesExplore different security analysis tools and develop your knowledge to confidently pass the 210-255 SECOPS examGrasp real-world cybersecurity skills such as threat analysis, event correlation, and identifying malicious activityLearn through mock tests, useful tips, and up-to-date exam questionsBook Description Cybersecurity roles have grown exponentially in the IT industry and an increasing number of organizations have set up security operations centers (SOCs) to monitor and respond to security threats. The 210-255 SECOPS exam is the second of two exams required for the Cisco CCNA Cyber Ops certification. By providing you with fundamental knowledge of SOC events, this certification validates your skills in managing cybersecurity processes such as analyzing threats and malicious activities, conducting security investigations, and using incident playbooks. You'll start by understanding threat analysis and computer forensics, which will help you build the foundation for learning intrusion analysis and incident response principles. The book will then guide you through vocabulary and techniques for analyzing data from the network and previous events. In later chapters, you'll discover how to identify, analyze, correlate, and respond to incidents, including how to communicate technical and inaccessible (non-technical) examples. You'll be able to build on your knowledge as you learn through examples and practice questions, and finally test your knowledge with two mock exams that allow you to put what you've learned to the test. By the end of this book, you'll have the skills to confidently pass the SECOPS 210-255 exam and achieve CCNA Cyber Ops certification. What you will learnGet up to speed with the principles of threat analysis, in a network and on a host deviceUnderstand the impact of computer forensicsExamine typical and atypical network data to identify intrusionsIdentify the role of the SOC, and explore other individual roles in incident responseAnalyze data and events using common frameworksLearn the phases of an incident, and how incident response priorities change for each phaseWho this book is for This book is for anyone who wants to prepare for the Cisco 210-255 SECOPS exam (CCNA Cyber Ops). If you're interested in cybersecurity, have already completed cybersecurity training as part of your formal education, or you work in Cyber Ops and just need a new certification, this book is for you. The certification guide looks at cyber operations from the ground up, consolidating concepts you may or may not have heard about before, to help you become a better cybersecurity operator.

Completely revised and updated, this text provides thorough preparation for CompTIA?s Network+ examination, and acts as a perfect text for an introduction to networking course.

The EC-Council | Press Ethical Hacking and Countermeasures Series is comprised of five books covering a broad base of topics in offensive network security, ethical hacking, and network defense and countermeasures. The content of this series is designed to immerse the reader into an interactive environment where they will be shown how to scan, test, hack and secure information systems. With the full series of books, the reader will gain in-depth knowledge and practical experience with essential security systems, and become prepared to succeed on the Certified Ethical Hacker, or C|EH, certification from EC-Council. This certification covers a plethora of offensive security topics ranging from how perimeter defenses work, to scanning and attacking simulated networks. A wide variety of tools, viruses, and malware is presented in this and the other four books, providing a complete understanding of the tactics and tools used by hackers. By gaining a thorough understanding of how hackers operate, an Ethical Hacker will be able to set up strong countermeasures and defensive systems to protect an organization's critical infrastructure and information. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

SSCP (System Security Certified Practitioner) is the companion test to CISSP, appealing to the practitioners who implement the security policies that the CISSP-certified professionals create Organized exactly like the bestselling The CISSP Prep Guide (0-471-41356-9) by Ronald L. Krutz and Russell Dean Vines, who serve as consulting editors for this book This study guide greatly enhances the reader's understanding of how to implement security policies, standards, and procedures in order to breeze through the SSCP security certification test CD-ROM contains

a complete interactive self-test using all the questions and answers from the book, powered by the Boson test engine
Comprehensive
CompTIA CySA+ Cybersecurity Analyst Certification All-in-One Exam Guide (Exam CS0-001)
The SSCP Prep Guide
Windows Server 2019 & PowerShell All-in-One For Dummies
Troubleshooting SQL Server
A beginner's guide to automating and optimizing networks using Python, Ansible, and more, 2nd Edition
This book describes, diagnoses, and solves the most common problems with SQL Server 2005, 2008, and 2008 R2. The authors explain a basic approach to troubleshooting and the essential tools. They explore areas in which problems arise with regularity: high disk I/O (RAID misconfiguration, inadequate I/O throughput, poor workload distribution, SAN issues, disk partition misalignment); high CPU usage (insufficient memory, poorly written queries, inadequate indexing, inappropriate configuration option settings); memory mismanagement; missing indexes; blocking (caused mainly by poorly designed databases that lack proper keys and indexing, and applications that apply needlessly restrictive transaction isolation levels); deadlocking (Bookmark Lookup, Serializable Range Scan, Cascading Constraint); full transaction logs (lack of log backups, hefty index maintenance operations, long running transaction, problems with replication and mirroring environments); and accidentally-lost data. Finally, the authors discuss diagnosing tools such as the Performance Monitor, Dynamic Management Views, and server-side tracing. --
The technology controlling United States nuclear weapons predates the Internet. Updating the technology for the digital era is necessary, but it comes with the risk that anything digital can be hacked. Moreover, using new systems for both nuclear and non-nuclear operations will lead to levels of nuclear risk hardly imagined before. This book is the first to confront these risks comprehensively. With Cyber Threats and Nuclear Weapons, Herbert Lin provides a clear-eyed breakdown of the cyber risks to the U.S. nuclear enterprise. Featuring a series of scenarios that clarify the intersection of cyber and nuclear risk, this book guides readers through a little-understood element of the risk profile that government decision-makers should be anticipating. What might have happened if the Cuban Missile Crisis took place in the age of Twitter, with unvetted information swirling around? What if an adversary announced that malware had compromised nuclear systems, clouding the confidence of nuclear decision-makers? Cyber Threats and Nuclear Weapons, the first book to consider cyber risks across the entire nuclear enterprise, concludes with crucial advice on how government can manage the tensions between new nuclear capabilities and increasing cyber risk. This is an invaluable handbook for those ready to confront the unique challenges of cyber nuclear risk.
Cybersecurity has traditionally been the purview of information technology professionals, who possess specialized knowledge and speak a language that few outside of their department can understand. In our current corporate landscape, however, cybersecurity awareness must be an organization-wide management competency in order to mitigate major threats to an organization's well-being—and be prepared to act if the worst happens. With rapidly expanding attacks and evolving methods of attack, organizations are in a perpetual state of breach and have to deal with this existential threat head-on. Cybersecurity preparedness is a critical and distinctive competency, and this book is intended to help students and practitioners develop and enhance this capability, as individuals continue to be both the strongest and weakest links in a cyber defense system. In addition to providing the non-specialist with a jargon-free overview of cybersecurity threats, Dr. Chatterjee focuses most of the book on developing a practical and easy-to-comprehend management framework and success factors that will help leaders assess cybersecurity risks, address organizational weaknesses, and build a collaborative culture that is informed and responsive. Through brief case studies, literature review, and practical tools, he creates a manual for the student and professional alike to put into practice essential skills for any workplace.
This comprehensive self-study guide offers complete coverage of the new CompTIA Cybersecurity Analyst+ certification exam Note: This guide has been updated to reflect CompTIA's exam acronym CySA+. This highly effective self-study system provides complete coverage of every objective for the challenging CompTIA CySA+ Cybersecurity Analyst exam. You'll find learning objectives at the beginning of each chapter, exam tips, in-depth explanations, and practice exam questions. All questions closely mirror those on the live test in content, format, and tone. Designed to help you pass exam CS0-001 with ease, this definitive guide also serves as an essential on-the-job reference. Covers every topic on the exam, including: •Threat and vulnerability management •Conducting and analyzing reconnaissance •Responding to network-based threats •Securing a cooperate network •Cyber incident response •Determining the impact of incidents •Preparing the incident response toolkit •Security architectures •Policies, procedures, and controls •Assuring identity and access management •Putting in compensating controls •Secure software development Electronic content includes: •200 practice questions •Secured book PDF
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Learn the skills to pass the 210-255 certification exam and become a competent SECOPS associate
The ultimate preparation guide for the unique CEH exam. The CEH v10: Certified Ethical Hacker Version 10 Study Guide is your ideal companion for CEH v10 exam preparation. This comprehensive, in-depth review of CEH certification requirements is designed to help you internalize critical information using concise, to-the-point explanations and an easy-to-follow approach to the material. Covering all sections of the exam, the discussion highlights essential topics like intrusion detection, DDoS attacks, buffer overflows, and malware creation in detail, and puts the concepts into the context of real-world scenarios. Each chapter is mapped to the corresponding exam objective for easy reference, and the Exam Essentials feature helps you identify areas in need of further study. You also get access to online study tools including chapter review questions, full-length practice exams, hundreds of electronic flashcards, and a glossary of key terms to help you ensure full mastery of the exam material. The Certified Ethical Hacker is one-of-a-kind in the cybersecurity sphere, allowing you to delve into the mind of a hacker for a unique perspective into penetration testing. This guide is your ideal exam preparation resource, with specific coverage of all CEH objectives and plenty of practice material. Review all CEH v10 topics systematically Reinforce critical skills with hands-on exercises Learn how concepts apply in real-world scenarios Identify key proficiencies prior to the exam The CEH certification puts you in professional demand, and satisfies the Department of Defense's 8570 Directive for all Information Assurance government positions. Not only is it a highly-regarded credential, but it's also an expensive exam—making the stakes even higher on exam day. The CEH v10: Certified Ethical Hacker Version 10 Study Guide gives you the intense preparation you need to pass with flying colors.