

Next Generation Firewall Forcepoint

The Second Edition of the Best Damn Firewall Book Period is completely revised and updated to include all of the most recent releases from Microsoft, Cisco, Juniper Network, and Check Point. Compiled from the best of the Syngress firewall library and authored by product experts such as Dr. Tom Shinder on ISA Server, this volume is an indispensable addition to a serious networking professionals toolkit. Coverage includes migrating to ISA Server 2006, integrating Windows Firewall and Vista security into your enterprise, successfully integrating Voice over IP applications around firewalls, and analyzing security log files. Sections are organized by major vendor, and include hardware, software and VPN configurations for each product line. New to this Edition: Microsoft firewall protection, from Windows Firewall to ISA Server 2006 Cisco PIX Version 7, including VPN configuration and IDS Analyzing Firewall Logs and Reports VoIP and Firewall Bypassing

There are a lot of e-business security concerns. Knowing about e-business security issues will likely help overcome them. Keep in mind, companies that have control over their e-business are likely to prosper most. In other words, setting up and maintaining a secure e-business is essential and important to business growth. This book covers state-of-the art practices in e-business security, including privacy, trust, security of transactions, big data, cloud computing, social network, and distributed systems.

An instant national bestseller! Stanley McChrystal, the retired US Army general and bestselling author of Team of Teams, profiles thirteen of history's great leaders, including Walt Disney, Coco Chanel, and Robert E. Lee, to show that leadership is not what you think it is—and never

was. Stan McChrystal served for thirty-four years in the US Army, rising from a second lieutenant in the 82nd Airborne Division to a four-star general, in command of all American and coalition forces in Afghanistan. During those years he worked with countless leaders and pondered an ancient question: “What makes a leader great?” He came to realize that there is no simple answer. McChrystal profiles thirteen famous leaders from a wide range of eras and fields—from corporate CEOs to politicians and revolutionaries. He uses their stories to explore how leadership works in practice and to challenge the myths that complicate our thinking about this critical topic. With Plutarch’s *Lives* as his model, McChrystal looks at paired sets of leaders who followed unconventional paths to success. For instance. . .

- Walt Disney and Coco Chanel built empires in very different ways. Both had public personas that sharply contrasted with how they lived in private.
- Maximilien Robespierre helped shape the French Revolution in the eighteenth century; Abu Musab al-Zarqawi led the jihadist insurgency in Iraq in the twenty-first. We can draw surprising lessons from them about motivation and persuasion.
- Both Boss Tweed in nineteenth-century New York and Margaret Thatcher in twentieth-century Britain followed unlikely roads to the top of powerful institutions.
- Martin Luther and his future namesake Martin Luther King Jr., both local clergymen, emerged from modest backgrounds to lead world-changing movements. Finally, McChrystal explores how his former hero, General Robert E. Lee, could seemingly do everything right in his military career and yet lead the Confederate Army to a devastating defeat in the service of an immoral cause. Leaders will help you take stock of your own leadership, whether you’re part of a small team or responsible for an entire nation.

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Identify, mitigate, and respond to today's highly-sophisticated network attacks. Today, network attackers are far more sophisticated, relentless, and dangerous. In response, Cisco ASA: All-in-One Next-Generation Firewall, IPS, and VPN Services has been fully updated to cover the newest techniques and Cisco technologies for maximizing end-to-end security in your environment. Three leading Cisco security experts guide you through every step of creating a complete security plan with Cisco ASA, and then deploying, configuring, operating, and troubleshooting your solution. Fully updated for today's newest ASA releases, this edition adds new coverage of ASA 5500-X, ASA 5585-X, ASA Services Module, ASA next-generation firewall services, EtherChannel, Global ACLs, clustering, IPv6 improvements, IKEv2, AnyConnect Secure Mobility VPN clients, and more. The authors explain significant recent licensing changes; introduce enhancements to ASA IPS; and walk you through configuring IPsec, SSL VPN, and NAT/PAT. You'll learn how to apply Cisco ASA adaptive identification and mitigation services to systematically strengthen security in network environments of all sizes and types. The authors present up-to-date sample configurations, proven design scenarios, and actual debugs- all designed to help you make the most of Cisco ASA in your rapidly evolving network. Jazib Frahim, CCIE® No. 5459 (Routing and Switching; Security), Principal Engineer in the Global Security Solutions team, guides top-tier Cisco customers in security-focused network design and implementation. He architects, develops, and launches new security services concepts. His books include Cisco SSL VPN Solutions and Cisco Network Admission Control, Volume II: NAC Deployment and Troubleshooting. Omar Santos, CISSP No. 463598, Cisco Product Security Incident Response Team (PSIRT) technical leader, leads and mentors engineers and incident managers in investigating and resolving

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vulnerabilities in Cisco products and protecting Cisco customers. Through 18 years in IT and cybersecurity, he has designed, implemented, and supported numerous secure networks for Fortune® 500 companies and the U.S. government. He is also the author of several other books and numerous whitepapers and articles. Andrew Ossipov, CCIE® No. 18483 and CISSP No. 344324, is a Cisco Technical Marketing Engineer focused on firewalls, intrusion prevention, and data center security. Drawing on more than 16 years in networking, he works to solve complex customer technical problems, architect new features and products, and define future directions for Cisco's product portfolio. He holds several pending patents.

Understand, install, configure, license, maintain, and troubleshoot the newest ASA devices
Efficiently implement Authentication, Authorization, and Accounting (AAA) services
Control and provision network access with packet filtering, context-aware Cisco ASA next-generation firewall services, and new NAT/PAT concepts
Configure IP routing, application inspection, and QoS
Create firewall contexts with unique configurations, interfaces, policies, routing tables, and administration
Enable integrated protection against many types of malware and advanced persistent threats (APTs) via Cisco Cloud Web Security and Cisco Security Intelligence Operations (SIO)
Implement high availability with failover and elastic scalability with clustering
Deploy, troubleshoot, monitor, tune, and manage Intrusion Prevention System (IPS) features
Implement site-to-site IPsec VPNs and all forms of remote-access VPNs (IPsec, clientless SSL, and client-based SSL)
Configure and troubleshoot Public Key Infrastructure (PKI)
Use IKEv2 to more effectively resist attacks against VPNs
Leverage IPv6 support for IPS, packet inspection, transparent firewalls, and site-to-site IPsec VPNs

This report describes a way for the U.S. Department of Defense to better secure unclassified

Gain a practical prescription for both private and public organizations to remediate threats and maintain a competitive pace to lead and thrive in an ever-shifting environment. In today's hyper-connected, always-on era of pervasive mobility, cloud computing and intelligent connected devices, virtually every step we take, every transaction we initiate, and every interaction we have are supported in some way by this vast global infrastructure. This set of interconnected systems comprises the fundamental building blocks of the second economy – the very foundation of our first economy. And adversaries, whether motivated by profit, principle or province, are singularly focused on winning the race through a relentless portfolio of shifting attack vectors. Make no mistake about it, we are running a race. This is a race against a faceless, nameless adversary – one that dictates the starting line, the rules of the road, and what trophies are at stake. Established assumptions must be challenged, strategies must be revised, and long-held practices must be upended to run this race and effectively compete. The Second Economy highlights a second to none approach in this fight, as the effectiveness and ROI of security solutions are increasingly measured by the business outcomes they enable. What You Will Learn: Understand the value of time and trust in a cyber-warfare world Enable agile and intelligent organizations to minimize their risk of falling victim to the next attack

Accelerate response time by adopting a holistic approach Eliminate friction across the threat defense lifecycle, from protection to detection to correction Gain a sustainable competitive advantage by seizing first mover advantage Deploy solutions across an open, integrated security framework Who This Book Is For: Senior-level IT decision makers concerned with ascribing business value to a robust security strategy. The book also addresses business decision makers who must be educated about the pervasive and growing cyber threatscape (including CXOs, board directors, and functional leaders) as well as general business employees to understand how they may become unwitting participants in a complex cyber war.

CCIE Professional Development Network Security Technologies and Solutions A comprehensive, all-in-one reference for Cisco network security Yusuf Bhaiji, CCIE No. 9305 Network Security Technologies and Solutions is a comprehensive reference to the most cutting-edge security products and methodologies available to networking professionals today. This book helps you understand and implement current, state-of-the-art network security technologies to ensure secure communications throughout the network infrastructure. With an easy-to-follow approach, this book serves as a central repository of security knowledge to help you implement end-to-end security solutions and provides a single source of

knowledge covering the entire range of the Cisco network security portfolio. The book is divided into five parts mapping to Cisco security technologies and solutions: perimeter security, identity security and access management, data privacy, security monitoring, and security management. Together, all these elements enable dynamic links between customer security policy, user or host identity, and network infrastructures. With this definitive reference, you can gain a greater understanding of the solutions available and learn how to build integrated, secure networks in today's modern, heterogeneous networking environment. This book is an excellent resource for those seeking a comprehensive reference on mature and emerging security tactics and is also a great study guide for the CCIE Security exam. "Yusuf's extensive experience as a mentor and advisor in the security technology field has honed his ability to translate highly technical information into a straight-forward, easy-to-understand format. If you're looking for a truly comprehensive guide to network security, this is the one!" –Steve Gordon, Vice President, Technical Services, Cisco Yusuf Bhajji, CCIE No. 9305 (R&S and Security), has been with Cisco for seven years and is currently the program manager for Cisco CCIE Security certification. He is also the CCIE Proctor in the Cisco Dubai Lab. Prior to this, he was technical lead for the Sydney TAC Security and VPN team at Cisco. Filter traffic with access

lists and implement security features on switches Configure Cisco IOS router firewall features and deploy ASA and PIX Firewall appliances Understand attack vectors and apply Layer 2 and Layer 3 mitigation techniques Secure management access with AAA Secure access control using multifactor authentication technology Implement identity-based network access control Apply the latest wireless LAN security solutions Enforce security policy compliance with Cisco NAC Learn the basics of cryptography and implement IPsec VPNs, DMVPN, GET VPN, SSL VPN, and MPLS VPN technologies Monitor network activity and security incident response with network and host intrusion prevention, anomaly detection, and security monitoring and correlation Deploy security management solutions such as Cisco Security Manager, SDM, ADASM, PDM, and IDM Learn about regulatory compliance issues such as GLBA, HIPAA, and SOX This book is part of the Cisco CCIE Professional Development Series from Cisco Press, which offers expert-level instruction on network design, deployment, and support methodologies to help networking professionals manage complex networks and prepare for CCIE exams. Category: Network Security Covers: CCIE Security Exam

This book presents the latest trends in scientific methods and enabling technologies to advance e-business. It consists of selected high-quality papers

from the 16th International Conference on E-Business Engineering (ICEBE 2019), held in Shanghai, China, on 11-13 October 2019. ICEBE is a leading international forum for researchers, engineers, and business specialists to exchange cutting-edge ideas, findings, and experiences in the field of e-business. The book covers a range of topics, including agents for e-business, big data for e-business, Internet of Things, mobile and autonomous computing, security/privacy/trust, service-oriented and cloud computing, software engineering, blockchain, and industry applications.

The shocking untold story of the elite secret society of hackers fighting to protect our privacy, our freedom -- even democracy itself Cult of the Dead Cow is the tale of the oldest, most respected, and most famous American hacking group of all time. Though until now it has remained mostly anonymous, its members invented the concept of hacktivism, released the top tool for testing password security, and created what was for years the best technique for controlling computers from afar, forcing giant companies to work harder to protect customers. They contributed to the development of Tor, the most important privacy tool on the net, and helped build cyberweapons that advanced US security without injuring anyone. With its origins in the earliest days of the Internet, the cDc is full of oddball characters -- activists, artists, even future

politicians. Many of these hackers have become top executives and advisors walking the corridors of power in Washington and Silicon Valley. The most famous is former Texas Congressman and current presidential candidate Beto O'Rourke, whose time in the cDc set him up to found a tech business, launch an alternative publication in El Paso, and make long-shot bets on unconventional campaigns. Today, the group and its followers are battling electoral misinformation, making personal data safer, and battling to keep technology a force for good instead of for surveillance and oppression. Cult of the Dead Cow shows how governments, corporations, and criminals came to hold immense power over individuals and how we can fight back against them.

This is the eBook version of the print title. Note that the eBook may not provide access to the practice test software that accompanies the print book. Access to the companion files are available through product registration at Pearson IT Certification, or see the instructions in the back pages of your eBook. Learn, prepare, and practice for CompTIA Security+ SY0-501 exam success with this CompTIA approved Cert Guide from Pearson IT Certification, a leader in IT certification learning and a CompTIA Authorized Platinum Partner. · Master CompTIA Security+ SY0-501 exam topics · Assess your knowledge with chapter-ending quizzes · Review key concepts with exam preparation tasks · Practice

with realistic exam questions CompTIA Security+ SY0-501 Cert Guide is a best-of-breed exam study guide. Best-selling author and expert instructor David L. Prowse shares 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. The book presents you with an organized test-preparation routine through the use of proven series elements and techniques. Exam topic lists make referencing easy. Chapter-ending chapter review activities help you drill on key concepts you must know thoroughly. Review questions help you assess your knowledge, and a final preparation chapter guides you through tools and resources to help you craft your final study plan. Well regarded for its level of detail, assessment features, and challenging review questions and exercises, this CompTIA approved study guide helps you master the concepts and techniques that will enable you to succeed on the exam the first time. The CompTIA approved study guide helps you master all the topics on the Security+ exam, including · Core computer system security · OS hardening and virtualization · Application security · Network design elements · Networking ports, protocols, and threats · Network perimeter security · Physical security and authentication models · Access control · Vulnerability and risk

assessment · Monitoring and auditing · Cryptography, including PKI · Redundancy and disaster recovery · Social Engineering · Policies and procedures

The biggest online threat to businesses and consumers today is ransomware, a category of malware that can encrypt your computer files until you pay a ransom to unlock them. With this practical book, you'll learn how easily ransomware infects your system and what steps you can take to stop the attack before it sets foot in the network. Security experts Allan Liska and Timothy Gallo explain how the success of these attacks has spawned not only several variants of ransomware, but also a litany of ever-changing ways they're delivered to targets. You'll learn pragmatic methods for responding quickly to a ransomware attack, as well as how to protect yourself from becoming infected in the first place. Learn how ransomware enters your system and encrypts your files Understand why ransomware use has grown, especially in recent years Examine the organizations behind ransomware and the victims they target Learn how wannabe hackers use Ransomware as a Service (RaaS) to launch campaigns Understand how ransom is paid—and the pros and cons of paying Use methods to protect your organization's workstations and servers Traditionally, network security (firewalls to block unauthorized users, Intrusion

Prevention Systems (IPS) to keep attackers out, Web filters to avoid misuse of Internet browsing, and antivirus software to block malicious programs) required separate boxes with increased cost and complexity. Unified Threat Management (UTM) makes network security less complex, cheaper, and more effective by consolidating all these components. This book explains the advantages of using UTM and how it works, presents best practices on deployment, and is a hands-on, step-by-step guide to deploying Fortinet's FortiGate in the enterprise. Provides tips, tricks, and proven suggestions and guidelines to set up FortiGate implementations Presents topics that are not covered (or are not covered in detail) by Fortinet's documentation Discusses hands-on troubleshooting techniques at both the project deployment level and technical implementation area

The Handbook includes chapters on all the major industry standards, quick reference tables, helpful appendices, plus a new glossary and list of acronyms. This practical handbook can stand alone or as a companion volume to DeCusatis: Fiber Optic Data Communication: Technological Advances and Trends (February 2002, ISBN: 0-12-207892-6), which was developed in tandem with this book. * Includes emerging technologies such as Infiniband, 10 Gigabit Ethernet, and MPLS Optical Switching * Describes leading edge commercial

products, including LEAF and MetroCore fibers, dense wavelength multiplexing, and Small Form Factor transceiver packages * Covers all major industry standards, often written by the same people who designed the standards themselves * Includes an expanded listing of references on the World Wide Web, plus hard-to-find references for international, homologation, and type approval requirements * Convenient tables of key optical datacom parameters and glossary with hundreds of definitions and acronyms * Industry buzzwords explained, including SAN, NAS, and MAN networking * Datacom market analysis and future projections from industry leading forecasters

This book constitutes the proceedings of the 16th International Conference on Detection of Intrusions and Malware, and Vulnerability Assessment, DIMVA 2019, held in Gothenburg, Sweden, in June 2019. The 23 full papers presented in this volume were carefully reviewed and selected from 80 submissions. The contributions were organized in topical sections named: wild wild web; cyber-physical systems; malware; software security and binary analysis; network security; and attack mitigation.

This book presents the latest findings in the areas of data management and smart computing, big data management, artificial intelligence and data analytics, along with advances in network technologies. It addresses state-of-the-art topics

and discusses challenges and solutions for future development. Gathering original, unpublished contributions by scientists from around the globe, the book is mainly intended for a professional audience of researchers and practitioners in academia and industry.

Become more culturally competent in an increasingly diverse world Recent years have seen dramatic changes to several institutions worldwide. Our increasingly interconnected, digitized, and globalized world presents immense opportunities and unique challenges. Modern businesses and schools interact with individuals and organizations from a diverse range of cultural and national backgrounds—increasing the likelihood for miscommunication, errors in strategy, and unintended consequences in the process. This has also spilled into our daily lives and the way we consume information today. Understanding how to navigate these and other pitfalls requires adaptability, nuanced cross-cultural communication, and effective conflict resolution. Use Your Difference to Make a Difference provides readers with a skills-based, actionable plan that transforms differences into agents of inclusiveness, connection, and mutual understanding. This innovative and timely guide illustrates how to leverage differences to move beyond unconscious biases, manage a culturally-diverse workplace, create an environment for more tolerant schooling environments, more trusted media,

communicate across borders, find and retain diverse talent, and bridge the gap between working locally and expanding globally. Expert guidance on a comprehensive range of topics—teamwork, leadership styles, information sharing, delegation, supervision, giving and receiving feedback, coaching and motivation, recruiting, managing suppliers and customers, and more—helps you manage the essential aspects of international relationships and cultural awareness. This valuable resource contains the indispensable knowledge required to: Develop self-awareness needed to be a cross-cultural communicator Develop content, messaging techniques, marketing plans, and business strategies that translate across cultural borders Help your employees to better understand and collaborate with clients and colleagues from different backgrounds Help teachers build safe environments for students to be themselves Strengthen cross-cultural competencies in yourself, your team, and your entire organization Understand the cultural, economic, and political factors surrounding our world Use Your Difference to Make a Difference is a must-have resource for any educator, parent, leader, manager, or team member of an organization that interacts with co-workers and customers from diverse cultural backgrounds.

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.

This book provides readers insights into cyber maneuvering or adaptive and intelligent cyber defense. It describes the required models and security supporting functions that enable the analysis of potential threats, detection of attacks, and implementation of countermeasures while expending attacker resources and preserving user experience. This book not only presents significant education-oriented content, but uses advanced content to reveal a

blueprint for helping network security professionals design and implement a secure Software-Defined Infrastructure (SDI) for cloud networking environments. These solutions are a less intrusive alternative to security countermeasures taken at the host level and offer centralized control of the distributed network. The concepts, techniques, and strategies discussed in this book are ideal for students, educators, and security practitioners looking for a clear and concise text to avant-garde cyber security installations or simply to use as a reference. Hand-on labs and lecture slides are located at <http://virtualnetworksecurity.thothlab.com/>. Features

- Discusses virtual network security concepts
- Considers proactive security using moving target defense
- Reviews attack representation models based on attack graphs and attack trees
- Examines service function chaining in virtual networks with security considerations
- Recognizes machine learning and AI in network security

"General McChrystal is a legendary warrior with a fine eye for enduring lessons about leadership, courage, and consequence." —Tom Brokaw

General Stanley McChrystal is widely admired for his hunger to know the truth, his courage to find it, and his humility to listen to those around him. Even as the commanding officer of all U.S. and coalition forces in Afghanistan, he stationed himself forward and frequently went on patrols with his troops to experience their challenges

firsthand. In this illuminating New York Times bestseller, McChrystal frankly explores the major episodes and controversies of his career. He describes the many outstanding leaders he served with and the handful of bad leaders he learned not to emulate. And he paints a vivid portrait of how the military establishment turned itself, in one generation, into the adaptive, resilient force that would soon be tested in Iraq, Afghanistan, and the wider War on Terror. "A compelling account of his impressive career." -The Wall Street Journal "This is a brilliant book about leadership wrapped inside a fascinating personal narrative." -Walter Isaacson, author of Steve Jobs Stanley McChrystal retired in July 2010 as a four-star general in the U.S. Army. His last assignment was as the commander of the International Security Assistance Force and as the commander of U.S. forces in Afghanistan. He is currently a senior fellow at Yale University's Jackson Institute for Global Affairs and cofounder of the McChrystal Group, a leadership consulting firm. He and his wife, Annie, live in Virginia. In this contributed volume, leading international researchers explore configuration modeling and checking, vulnerability and risk assessment, configuration analysis, and diagnostics and discovery. The authors equip readers to understand automated security management systems and techniques that increase overall network assurability and usability. These constantly changing networks defend

against cyber attacks by integrating hundreds of security devices such as firewalls, IPSec gateways, IDS/IPS, authentication servers, authorization/RBAC servers, and crypto systems. Automated Security Management presents a number of topics in the area of configuration automation. Early in the book, the chapter authors introduce modeling and validation of configurations based on high-level requirements and discuss how to manage the security risk as a result of configuration settings of network systems. Later chapters delve into the concept of configuration analysis and why it is important in ensuring the security and functionality of a properly configured system. The book concludes with ways to identify problems when things go wrong and more. A wide range of theoretical and practical content make this volume valuable for researchers and professionals who work with network systems.

This updated report provides an overview of firewall technology, and helps organizations plan for and implement effective firewalls. It explains the technical features of firewalls, the types of firewalls that are available for implementation by organizations, and their security capabilities. Organizations are advised on the placement of firewalls within the network architecture, and on the selection, implementation, testing, and management of firewalls. Other issues covered in detail are the development of firewall policies, and recommendations on the

types of network traffic that should be prohibited. The appendices contain helpful supporting material, including a glossary and lists of acronyms and abbreviations; and listings of in-print and online resources. Illus.

The terrifying new role of technology in a world at war

This book is a study guide for Huawei (HCNA) certification. It has been written to help readers understand the principles of network technologies. It covers topics including network fundamentals, Ethernet, various protocols such as those used in routing, and Huawei's own VRP operating system—all essential aspects of HCNA certification. Presenting routing and switching basics in depth, it is a valuable resource for information and communications technology (ICT) practitioners, university students and network technology fans.

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. For organizations of all sizes, the Cisco ASA product family offers powerful new tools for maximizing network security. Cisco ASA: All-in-One Firewall, IPS, Anti-X and VPN Adaptive Security Appliance, Second Edition, is Cisco's authoritative practitioner's guide to planning, deploying, managing, and troubleshooting security with Cisco ASA. Written by two leading Cisco security experts, this book presents each Cisco ASA solution in depth, offering comprehensive sample configurations, proven

troubleshooting methodologies, and debugging examples. Readers will learn about the Cisco ASA Firewall solution and capabilities; secure configuration and troubleshooting of site-to-site and remote access VPNs; Intrusion Prevention System features built into Cisco ASA's Advanced Inspection and Prevention Security Services Module (AIP-SSM); and Anti-X features in the ASA Content Security and Control Security Services Module (CSC-SSM). This new edition has been updated with detailed information on the latest ASA models and features. Everything network professionals need to know to identify, mitigate, and respond to network attacks with Cisco ASA Includes detailed configuration examples, with screenshots and command line references Covers the ASA 8.2 release Presents complete troubleshooting methodologies and architectural references

As the sophistication of cyber-attacks increases, understanding how to defend critical infrastructure systems—energy production, water, gas, and other vital systems—becomes more important, and heavily mandated. Industrial Network Security, Second Edition arms you with the knowledge you need to understand the vulnerabilities of these distributed supervisory and control systems. The book examines the unique protocols and applications that are the foundation of industrial control systems, and provides clear guidelines for their protection. This how-to guide gives you thorough understanding of the unique challenges facing

critical infrastructures, new guidelines and security measures for critical infrastructure protection, knowledge of new and evolving security tools, and pointers on SCADA protocols and security implementation. All-new real-world examples of attacks against control systems, and more diagrams of systems Expanded coverage of protocols such as 61850, Ethernet/IP, CIP, ISA-99, and the evolution to IEC62443 Expanded coverage of Smart Grid security New coverage of signature-based detection, exploit-based vs. vulnerability-based detection, and signature reverse engineering

This volume focuses on the responsibilities of online service providers (OSPs) in contemporary societies. It examines the complexity and global dimensions of the rapidly evolving and serious challenges posed by the exponential development of Internet services and resources. It looks at the major actors – such as Facebook, Google, Twitter, and Yahoo! – and their significant influence on the informational environment and users' interactions within it, as well as the responsibilities and liabilities such influence entails. It discusses the position of OSPs as information gatekeepers and how they have gone from offering connecting and information-sharing services to paying members to providing open, free infrastructure and applications that facilitate digital expression and the communication of information. The book seeks consensus on the principles that should shape

OSPs' responsibilities and practices, taking into account business ethics and policies. Finally, it discusses the rights of users and international regulations that are in place or currently lacking.

Simple packet filters are becoming a thing of the past. Even the open-source domain is moving towards Next-Generation Firewalls. And OPNsense is a top player when it comes to intrusion detection, application control, web filtering, and anti-virus. No network is too insignificant to be spared by an attacker. Even home networks, washing machines, and smartwatches are threatened and require a secure environment. Firewalls are a component of the security concept. They protect against known and new threats to computers and networks. A firewall offers the highest level of protection if its functions are known, its operation is simple, and it is ideally positioned in the surrounding infrastructure. OPNsense accepts the challenge and meets these criteria in different ways. This book is the ideal companion for understanding, installing and setting up an OPNsense firewall. Each chapter explains a real-world situation, describes the theoretical fundamentals, and presents a laboratory experiment for better understanding. Finally, it offers a solution using OPNsense methods and knowledge from a technical background. The chapters are mostly independent of each other, but presented with increasing levels of proficiency. Thus, the topics dealt with are

appropriate for beginners to professionals.

Updated with the latest advances from the field, **GUIDE TO COMPUTER FORENSICS AND INVESTIGATIONS**, Fifth Edition combines all-encompassing topic coverage and authoritative information from seasoned experts to deliver the most comprehensive forensics resource available. This proven author team's wide ranging areas of expertise mirror the breadth of coverage provided in the book, which focuses on techniques and practices for gathering and analyzing evidence used to solve crimes involving computers. Providing clear instruction on the tools and techniques of the trade, it introduces readers to every step of the computer forensics investigation-from lab set-up to testifying in court. It also details step-by-step guidance on how to use current forensics software.

Appropriate for learners new to the field, it is also an excellent refresher and technology update for professionals in law enforcement, investigations, or computer security. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

This book presents the latest trends and challenges in the development of general engineering and mechanical engineering in the agriculture and horticulture sectors.

A study of Internet blocking and filtering around the world: analyses by leading researchers

and survey results that document filtering practices in dozens of countries. Many countries around the world block or filter Internet content, denying access to information that they deem too sensitive for ordinary citizens—most often about politics, but sometimes relating to sexuality, culture, or religion. *Access Denied* documents and analyzes Internet filtering practices in more than three dozen countries, offering the first rigorously conducted study of an accelerating trend. Internet filtering takes place in more than three dozen states worldwide, including many countries in Asia, the Middle East, and North Africa. Related Internet content-control mechanisms are also in place in Canada, the United States and a cluster of countries in Europe. Drawing on a just-completed survey of global Internet filtering undertaken by the OpenNet Initiative (a collaboration of the Berkman Center for Internet and Society at Harvard Law School, the Citizen Lab at the University of Toronto, the Oxford Internet Institute at Oxford University, and the University of Cambridge) and relying on work by regional experts and an extensive network of researchers, *Access Denied* examines the political, legal, social, and cultural contexts of Internet filtering in these states from a variety of perspectives. Chapters discuss the mechanisms and politics of Internet filtering, the strengths and limitations of the technology that powers it, the relevance of international law, ethical considerations for corporations that supply states with the tools for blocking and filtering, and the implications of Internet filtering for activist communities that increasingly rely on Internet technologies for communicating their missions. Reports on Internet content regulation in forty different countries follow, with each two-page country profile outlining the types of content blocked by category and documenting key findings. Contributors Ross Anderson, Malcolm Birdling, Ronald Deibert, Robert Faris, Vesselina Haralampieva [as per Rob Faris], Steven Murdoch, Helmi Noman,

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This is a compact notes for XII Computer Application Students of WBCHSE Board.

Mumbai is an ever-evolving city, bustling and brimming, never sleeping for a wink. But the past four decades brought upheavals of great magnitude that shaped the city as we know today. Marred by communal riots, gang wars and terrorism, the spirit of Mumbai has emerged indomitable every single time. Born and raised in the lanes of Bombay 3, this is the story of Jagan Kumar who dreams of being a television journalist and changing the world. But once he achieves this, he realises that television journalism has lost its path, now afflicted with sensationalism, corruption and bias. As a crime reporter, he comes across various unscrupulous means that law enforcement agencies adopt to combat organised crime syndicates. He is shocked to witness interdepartmental rivalry that often jeopardises public security. Disenchanted, in conflict with his conscience and confused about his calling, he is about to quit when something happens that changes the course of his life. Bombay 3 begins from the bylanes of old Bombay of the seventies and then takes you to Mosul in ISIS's Iraq of 2014 and finally to the streets of Bangkok where the underworld of Mumbai has spread its tentacles. A fast-paced thriller, it answers certain questions about life in Mumbai and raises a few new ones.

The perimeter defenses guarding your network perhaps are not as secure as you think. Hosts behind the firewall have no defenses of their own, so when a host in the "trusted" zone is breached, access to your data center is not far behind. That's an all-too-familiar scenario today. With this practical book, you'll learn the principles behind zero trust architecture, along

with details necessary to implement it. The Zero Trust Model treats all hosts as if they're internet-facing, and considers the entire network to be compromised and hostile. By taking this approach, you'll focus on building strong authentication, authorization, and encryption throughout, while providing compartmentalized access and better operational agility.

Understand how perimeter-based defenses have evolved to become the broken model we use today Explore two case studies of zero trust in production networks on the client side (Google) and on the server side (PagerDuty) Get example configuration for open source tools that you can use to build a zero trust network Learn how to migrate from a perimeter-based network to a zero trust network in production

Blood on the Street is a riveting account of the Wall Street scam in which ordinary investors lost literally billions of dollars -- in many cases their life savings -- in one of the greatest deceptions ever, by the crack reporter who broke the original story. In one of the most outrageous examples of dirty dealing in the history of Wall Street, hundreds of millions of dollars in illicit profits were made during the booming 1990s as a result of research analysts issuing positive stock ratings on companies that kicked back investment banking business. Now, for the first time, award-winning journalist Charles Gasparino reveals the whole fascinating story of greed, arrogance, and corruption. It was Gasparino's front-page reporting in The Wall Street Journal that brought the story to national attention and spurred New York State attorney general Eliot Spitzer to launch an official probe. Now, Gasparino goes behind his own headlines to tell the inside story of this spectacular swindle -- with revelations from his unprecedented access to never-before-published depositions and documents, including e-mail exchanges leading all the way up to Citigroup CEO Sanford Weill. Drawing on his research

and interviews with industry insiders, Gasparino takes readers into the back rooms of Wall Street's top investment firms and captures the outsize personalities of three key players: Salomon Smith Barney's Jack Grubman, a braggart with one of the largest salaries on Wall Street; Merrill Lynch's Henry Blodget, the Yale graduate who hyped his way to the top of the research pyramid; and Morgan Stanley's Mary Meeker, the "Queen of the Internet," who foresaw the market catastrophe but gave in to the pressures Blood on the Street shows how regulators, like former SEC chairman Arthur Levitt, allowed the deceptive practices to fester and grow during the 1990s bubble, leaving the door open for a then- little-known attorney general from New York State to step in and make his mark by holding Wall Street accountable. Gasparino provides the first major account of Spitzer's rise to prominence, detailing how the attorney general pursued key players to build his case against Wall Street, including his shifting allegiance to the powerful New York Stock Exchange chairman Richard Grasso. A fast-paced narrative rich in sharp insights, Blood on the Street is the definitive book on the financial debacle that affected millions of Americans.

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