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Dr. Tom Shinder's Configuring ISA Server 2004
Cyber Security and Global Information Assurance: Threat Analysis and Response Solutions
Cybersecurity Attacks – Red Team Strategies
Effective Model-Based Systems Engineering
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The InfoSec Handbook
The Practice of Network Security Monitoring
Guide to Intrusion Detection and Prevention Systems
Threat Hunting with Elastic Stack
Cisco Security Professional's Guide to Secure Intrusion Detection Systems
Computer Security Incident Response Planning at Nuclear Facilities
Computer Incident Response and Forensics Team Management
Schneier on Security
Incident Response in the Age of Cloud
Cybersecurity - Attack and Defense Strategies
Homeland Security
Commercial Intrusion Detection Systems (IDS).
Linux Firewalls
Introduction to Information Security
The CERT Guide to Insider Threats
Extrusion Detection
Information Security for Global Information Infrastructures
Practical Intrusion Analysis

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JOHN JEFFERSON

Cybersecurity in the COVID-19 Pandemic

Springer Nature America is a target; the homeland is under threat. While Americans have been targets of terrorist attacks for quite some time, September 11, 2001, awoke the nation to the reality that we are vulnerable in our homes, our places of work and worship, and our means of public transportation. And yet, we must continue to function as best we can as the world's most vibrant economic and political community. The current threat environment requires greater engagement with the public, as the necessary eyes and ears of the nation's homeland security infrastructure. However, to be effective, the public must be equipped with the knowledge of where and why specific locations and activities may be a terrorist target, what is being done to protect those targets, and how they can help. This three-volume set answers that need. The chapters of each volume of Homeland Security revolve around a core of central questions. Are we safer today than we were pre-9/11? What steps have been taken in all these areas to protect

ourselves? What are the threats we face, and what new threats have developed since 9/11? Are we staying one step ahead of those who wish to do us harm? In 2002, more than 400 million people, 122 million cars, 11 million trucks, 2.4 million freight cars, and 8 million containers entered the United States. Nearly 60,000 vessels entered the United States at its 301 ports of entry. Clearly the amount of activity this represents will require a long-term commitment to innovation, organizational learning, and public vigilance to complement an already overstretched network of government agencies and security professionals. *Transforming Information Security* No Starch Press The Framework focuses on using business drivers to guide cybersecurity activities and considering cybersecurity risks as part of the organization's risk management processes. The Framework consists of three parts: the Framework Core, the Implementation Tiers, and the Framework Profiles. The Framework Core is a set of cybersecurity activities, outcomes, and informative references that are common across sectors and critical

infrastructure. Elements of the Core provide detailed guidance for developing individual organizational Profiles. Through use of Profiles, the Framework will help an organization to align and prioritize its cybersecurity activities with its business/mission requirements, risk tolerances, and resources. The Tiers provide a mechanism for organizations to view and understand the characteristics of their approach to managing cybersecurity risk, which will help in prioritizing and achieving cybersecurity objectives. *Computers at Risk* Emerald Group Publishing As the 2020 global lockdown became a universal strategy to control the COVID-19 pandemic, social distancing triggered a massive reliance on online and cyberspace alternatives and switched the world to the digital economy. Despite their effectiveness for remote work and online interactions, cyberspace alternatives ignited several Cybersecurity challenges. Malicious hackers capitalized on global anxiety and launched cyberattacks against unsuspecting victims. Internet fraudsters exploited human and system vulnerabilities

and impacted data integrity, privacy, and digital behaviour. Cybersecurity in the COVID-19 Pandemic demystifies Cybersecurity concepts using real-world cybercrime incidents from the pandemic to illustrate how threat actors perpetrated computer fraud against valuable information assets particularly healthcare, financial, commercial, travel, academic, and social networking data. The book simplifies the socio-technical aspects of Cybersecurity and draws valuable lessons from the impacts COVID-19 cyberattacks exerted on computer networks, online portals, and databases. The book also predicts the fusion of Cybersecurity into Artificial Intelligence and Big Data Analytics, the two emerging domains that will potentially dominate and redefine post-pandemic Cybersecurity research and innovations between 2021 and 2025. The book's primary audience is individual and corporate cyberspace consumers across all professions intending to update their Cybersecurity knowledge for detecting, preventing, responding to, and recovering from computer crimes. Cybersecurity in the COVID-19

Pandemic is ideal for information officers, data managers, business and risk administrators , technology scholars, Cybersecurity experts and researchers, and information technology practitioners. Readers will draw lessons for protecting their digital assets from email phishing fraud, social engineering scams, malware campaigns, and website hijacks. Developing Windows-Based and Web-Enabled Information Systems No Starch Press Emerging Trends in ICT Security, an edited volume, discusses the foundations and theoretical aspects of ICT security; covers trends, analytics, assessments and frameworks necessary for performance analysis and evaluation; and gives you the state-of-the-art knowledge needed for successful deployment of security solutions in many environments. Application scenarios provide you with an insider's look at security solutions deployed in real-life scenarios, including but limited to smart devices, biometrics, social media, big data security, and crowd sourcing. - Provides a multidisciplinary approach to security with coverage of communication systems, information mining, policy

making, and management infrastructures - Discusses deployment of numerous security solutions, including, cyber defense techniques and defense against malicious code and mobile attacks - Addresses application of security solutions in real-life scenarios in several environments, such as social media, big data and crowd sourcing **The Ethics of Cybersecurity** National Academies Press Computer Incident Response and Forensics Team Management provides security professionals with a complete handbook of computer incident response from the perspective of forensics team management. This unique approach teaches readers the concepts and principles they need to conduct a successful incident response investigation, ensuring that proven policies and procedures are established and followed by all team members. Leighton R. Johnson III describes the processes within an incident response event and shows the crucial importance of skillful forensics team management, including when and where the transition to forensics investigation should occur during an

incident response event. The book also provides discussions of key incident response components. - Provides readers with a complete handbook on computer incident response from the perspective of forensics team management - Identify the key steps to completing a successful computer incident response investigation - Defines the qualities necessary to become a successful forensics investigation team member, as well as the interpersonal relationship skills necessary for successful incident response and forensics investigation teams

Cyber-Security Threats, Actors, and Dynamic Mitigation

Apress

Many professionals and students in engineering, science, business, and other application fields need to develop Windows-based and web-enabled information systems to store and use data for decision support, without help from professional programmers. However, few books are available to train professionals and students who are not professional progra

DDoS Attacks

Elsevier

The practical guide to simulating, detecting, and responding to network

attacks Create step-by-step testing plans Learn to perform social engineering and host reconnaissance Evaluate session hijacking methods Exploit web server vulnerabilities Detect attempts to breach database security Use password crackers to obtain access information Circumvent Intrusion Prevention Systems (IPS) and firewall protections and disrupt the service of routers and switches Scan and penetrate wireless networks Understand the inner workings of Trojan Horses, viruses, and other backdoor applications Test UNIX, Microsoft, and Novell servers for vulnerabilities Learn the root cause of buffer overflows and how to prevent them Perform and prevent Denial of Service attacks Penetration testing is a growing field but there has yet to be a definitive resource that instructs ethical hackers on how to perform a penetration test with the ethics and responsibilities of testing in mind. Penetration Testing and Network Defense offers detailed steps on how to emulate an outside attacker in order to assess the security of a network. Unlike other books on hacking, this book is specifically

geared towards penetration testing. It includes important information about liability issues and ethics as well as procedures and documentation. Using popular open-source and commercial applications, the book shows you how to perform a penetration test on an organization's network, from creating a test plan to performing social engineering and host reconnaissance to performing simulated attacks on both wired and wireless networks. Penetration Testing and Network Defense also goes a step further than other books on hacking, as it demonstrates how to detect an attack on a live network. By detailing the method of an attack and how to spot an attack on your network, this book better prepares you to guard against hackers. You will learn how to configure, record, and thwart these attacks and how to harden a system to protect it against future internal and external attacks. Full of real-world examples and step-by-step procedures, this book is both an enjoyable read and full of practical advice that will help you assess network security and develop a plan for locking down sensitive data and company resources.

"This book goes to great lengths to explain the various testing approaches that are used today and gives excellent insight into how a responsible penetration testing specialist executes his trade." -Bruce Murphy, Vice President, World Wide Security Services, Cisco Systems(R) *The Tao of Network Security Monitoring* Pearson Education Suddenly your Web server becomes unavailable. When you investigate, you realize that a flood of packets is surging into your network. You have just become one of the hundreds of thousands of victims of a denial-of-service attack, a pervasive and growing threat to the Internet. What do you do? Internet Denial of Service sheds light on a complex and fascinating form of computer attack that impacts the confidentiality , integrity, and availability of millions of computers worldwide. It tells the network administrator, corporate CTO, incident responder, and student how DDoS attacks are prepared and executed, how to think about DDoS, and how to arrange computer and network defenses. It also provides a suite of actions that can be taken before, during, and after an attack. Inside,

you'll find comprehensive information on the following topics How denial-of-service attacks are waged How to improve your network's resilience to denial-of-service attacks What to do when you are involved in a denial-of-service attack The laws that apply to these attacks and their implications How often denial-of-service attacks occur, how strong they are, and the kinds of damage they can cause Real examples of denial-of-service attacks as experienced by the attacker, victim, and unwitting accomplices The authors' extensive experience in handling denial-of-service attacks and researching defense approaches is laid out clearly in practical, detailed terms. *Cybersecurity for Hospitals and Healthcare Facilities* Pearson Education Overcome Your Fastest-Growing Security Problem: Internal, Client-Based Attacks Today's most devastating security attacks are launched from within the company, by intruders who have compromised your users' Web browsers, e-mail and chat clients, and other Internet-connected software. Hardening your network perimeter won't solve

this problem. You must systematically protect client software and monitor the traffic it generates. Extrusion Detection is a comprehensive guide to preventing, detecting, and mitigating security breaches from the inside out. Top security consultant Richard Bejtlich offers clear, easy-to-understand explanations of today's client-based threats and effective, step-by-step solutions, demonstrated against real traffic and data. You will learn how to assess threats from internal clients, instrument networks to detect anomalies in outgoing traffic, architect networks to resist internal attacks, and respond effectively when attacks occur. Bejtlich's The Tao of Network Security Monitoring earned acclaim as the definitive guide to overcoming external threats. Now, in Extrusion Detection, he brings the same level of insight to defending against today's rapidly emerging internal threats. Whether you're an architect, analyst, engineer, administrator, or IT manager, you face a new generation of security risks. Get this book and protect yourself. Coverage includes Architecting defensible networks with pervasive

awareness: theory, techniques, and tools Defending against malicious sites, Internet Explorer exploitations, bots, Trojans, worms, and more Dissecting session and full-content data to reveal unauthorized activity Implementing effective Layer 3 network access control Responding to internal attacks, including step-by-step network forensics Assessing your network's current ability to resist internal attacks Setting reasonable corporate access policies Detailed case studies, including the discovery of internal and IRC-based bot nets Advanced extrusion detection: from data collection to host and vulnerability enumeration About the Web Site Get book updates and network security news at Richard Bejtlich's popular blog, taosecurity.blogspot.com, and his Web site, www.bejtlich.net.

Framework for Improving Critical Infrastructure Cybersecurity Elsevier Learn advanced threat analysis techniques in practice by implementing Elastic Stack security features Key FeaturesGet started with Elastic Security configuration and featuresLeverage Elastic Stack features to provide optimal

protection against threatsDiscover tips, tricks, and best practices to enhance the security of your environmentBook Description Threat Hunting with Elastic Stack will show you how to make the best use of Elastic Security to provide optimal protection against cyber threats. With this book, security practitioners working with Kibana will be able to put their knowledge to work and detect malicious adversary activity within their contested network. You'll take a hands-on approach to learning the implementation and methodologies that will have you up and running in no time. Starting with the foundational parts of the Elastic Stack, you'll explore analytical models and how they support security response and finally leverage Elastic technology to perform defensive cyber operations. You'll then cover threat intelligence analytical models, threat hunting concepts and methodologies, and how to leverage them in cyber operations. After you've mastered the basics, you'll apply the knowledge you've gained to build and configure your own Elastic Stack, upload data, and explore that data directly as well as by

using the built-in tools in the Kibana app to hunt for nefarious activities. By the end of this book, you'll be able to build an Elastic Stack for self-training or to monitor your own network and/or assets and use Kibana to monitor and hunt for adversaries within your network. What you will learnExplore cyber threat intelligence analytical models and hunting methodologies Build and configure Elastic Stack for cyber threat huntingLeverage the Elastic endpoint and Beats for data collectionPerform security data analysis using the Kibana Discover, Visualize, and Dashboard appsExecute hunting and response operations using the Kibana Security appUse Elastic Common Schema to ensure data uniformity across organizations Who this book is for Security analysts, cybersecurity enthusiasts, information systems security staff, or anyone who works with the Elastic Stack for security monitoring, incident response, intelligence analysis, or threat hunting will find this book useful. Basic working knowledge of IT security operations and network and endpoint systems is necessary to get started.

Network Intrusion Detection and Prevention

Springer

Science & Business Media
Learn how to detect and prevent the hacking of medical equipment at hospitals and healthcare facilities. A cyber-physical attack on building equipment pales in comparison to the damage a determined hacker can do if he/she gains access to a medical-grade network as a medical-grade network controls the diagnostic, treatment, and life support equipment on which lives depend. News reports inform us how hackers strike hospitals with ransomware that prevents staff from accessing patient records or scheduling appointments. Unfortunately, medical equipment also can be hacked and shut down remotely as a form of extortion. Criminal hackers will not ask for a $500 payment to unlock an MRI, PET or CT scan, or X-ray machine—they will ask for much more. Litigation is bound to follow and the resulting punitive awards will drive up hospital insurance costs and healthcare costs in general. This will undoubtedly result in increased regulations for hospitals and higher costs for compliance. Unless hospitals and other healthcare facilities take the steps necessary to secure their

medical-grade networks, they will be targeted for cyber-physical attack, possibly with life-threatening consequences . Cybersecurity for Hospitals and Healthcare Facilities is a wake-up call explaining what hackers can do, why hackers would target a hospital, the way hackers research a target, ways hackers can gain access to a medical-grade network (cyber-attack vectors), and ways hackers hope to monetize their cyber-attack. By understanding and detecting the threats, you can take action now—before your hospital becomes the next victim. What You Will Learn: Determine how vulnerable hospital and healthcare building equipment is to cyber-physical attack Identify possible ways hackers can hack hospital and healthcare facility equipment Recognize the cyber-attack vectors—or paths by which a hacker or cracker can gain access to a computer, a medical-grade network server, or expensive medical equipment in order to deliver a payload or malicious outcome Detect and prevent man-in-the-middle or denial-of-service cyber-attacks Find and prevent hacking of the hospital database and hospital web

application Who This Book Is For: Hospital administrators , healthcare professionals, hospital & healthcare facility engineers and building managers, hospital & healthcare facility IT professionals, and HIPAA professionals

Penetration Testing and Network Defense Springer Science & Business Media

Network Intrusion Detection and Prevention: Concepts and Techniques provides detailed and concise information on different types of attacks, theoretical foundation of attack detection approaches, implementation, data collection, evaluation, and intrusion response. Additionally, it provides an overview of some of the commercially/ publicly available intrusion detection and response systems. On the topic of intrusion detection system it is impossible to include everything there is to say on all subjects. However, we have tried to cover the most important and common ones. Network Intrusion Detection and Prevention: Concepts and Techniques is designed for researchers and practitioners in industry. This book is suitable for advanced-level students in computer science as a reference book as well.

Intrusion Prevention and Active Response Syngress The purpose of this publication is to assist member states in developing comprehensive contingency plans for computer security incidents with the potential to impact nuclear security and/or nuclear safety. It provides an outline and recommendations for establishing a computer security incident response capability as part of a computer security programme. *Internet Denial of Service* Packt Publishing Ltd "This book provides a valuable resource by addressing the most pressing issues facing cyber-security from both a national and global perspective"--Provided by publisher. **Research Methods for Cyber Security** Springer Nature "The book you are about to read will arm you with the knowledge you need to defend your network from attackers—both the obvious and the not so obvious.... If you are new to network security, don't put this book back on the shelf! This is a great book for beginners and I wish I had access to it many years ago. If you've learned the basics of TCP/IP protocols and run an open source or commercial IDS, you may be asking

'What's next?' If so, this book is for you." —Ron Gula, founder and CTO, Tenable Network Security, from the Foreword "Richard Bejtlich has a good perspective on Internet security—one that is orderly and practical at the same time. He keeps readers grounded and addresses the fundamentals in an accessible way." —Marcus Ranum, TruSecure "This book is not about security or network monitoring: It's about both, and in reality these are two aspects of the same problem. You can easily find people who are security experts or network monitors, but this book explains how to master both topics." —Luca Deri, ntop.org "This book will enable security professionals of all skill sets to improve their understanding of what it takes to set up, maintain, and utilize a successful network intrusion detection strategy." —Kirby Kuehl, Cisco Systems Every network can be compromised. There are too many systems, offering too many services, running too many flawed applications. No amount of careful coding, patch management, or access control can keep out every attacker. If prevention eventually fails, how do you prepare

for the intrusions that will eventually happen? Network security monitoring (NSM) equips security staff to deal with the inevitable consequences of too few resources and too many responsibilities. NSM collects the data needed to generate better assessment, detection, and response processes—resulting in decreased impact from unauthorized activities. In The Tao of Network Security Monitoring , Richard Bejtlich explores the products, people, and processes that implement the NSM model. By focusing on case studies and the application of open source tools, he helps you gain hands-on knowledge of how to better defend networks and how to mitigate damage from security incidents. Inside, you will find in-depth information on the following areas. The NSM operational framework and deployment considerations . How to use a variety of open-source tools—including Sguil, Argus, and Ethereal—to mine network traffic for full content, session, statistical, and alert data. Best practices for conducting emergency NSM in an incident response scenario, evaluating monitoring vendors, and deploying an NSM architecture.

Developing and applying knowledge of weapons, tactics, telecommunications, system administration, scripting, and programming for NSM. The best tools for generating arbitrary packets, exploiting flaws, manipulating traffic, and conducting reconnaissance. Whether you are new to network intrusion detection and incident response, or a computer-security veteran, this book will enable you to quickly develop and apply the skills needed to detect, prevent, and respond to new and emerging threats.

Understanding Cybersecurity Management in Healthcare

Packt Publishing Ltd

This book presents a state-of-the-art review of current perspectives in information security, focusing on technical as well as functional issues. It contains the selected proceedings of the Sixteenth Annual Working Conference on Information Security (SEC2000), sponsored by the International Federation for Information Processing (IFIP) and held in Beijing, China in August 2000. Topics in this volume include the latest developments in: Information security management issues Network

security and protocols Information security aspects of E-commerce Distributed computing and access control New information security technologies Ethics/privacy and copyright protection £/LIST£ Information Security for Global Information Infrastructures will be essential reading for researchers in computer science, information technology, and business informatics, as well as to information security consultants, system analysts and engineers, and IT managers. Infosec Strategies and Best Practices Apress This open access book provides the first comprehensive collection of papers that provide an integrative view on cybersecurity. It discusses theories, problems and solutions on the relevant ethical issues involved. This work is sorely needed in a world where cybersecurity has become indispensable to protect trust and confidence in the digital infrastructure whilst respecting fundamental values like equality, fairness, freedom, or privacy. The book has a strong practical focus as it includes case studies outlining ethical issues in cybersecurity and presenting guidelines and other measures to

tackle those issues. It is thus not only relevant for academics but also for practitioners in cybersecurity such as providers of security software, governmental CERTs or Chief Security Officers in companies.

Dr. Tom Shinder's Configuring ISA Server 2004 CRC Press

The InfoSec Handbook offers the reader an organized layout of information that is easily read and understood. Allowing beginners to enter the field and understand the key concepts and ideas, while still keeping the experienced readers updated on topics and concepts. It is intended mainly for beginners to the field of information security, written in a way that makes it easy for them to understand the detailed content of the book. The book offers a practical and simple view of the security practices while still offering somewhat technical and detailed information relating to security. It helps the reader build a strong foundation of information, allowing them to move forward from the book with a larger knowledge base. Security is a constantly growing concern that everyone must deal with. Whether it’s an average

computer user or a highly skilled computer user, they are always confronted with different security risks. These risks range in danger and should always be dealt with accordingly. Unfortunately, not everyone is aware of the dangers or how to prevent them and this is where most of the issues arise in information technology (IT). When computer users do not take security into account many issues can arise from that like system compromises or loss of data and information. This is an obvious issue that is present with all computer users. This book is intended to educate the average and experienced user of what kinds of different security practices and standards exist. It will also cover how to manage security software and updates in order to be as protected as possible from all of the threats that they face.

Cyber Security and Global Information Assurance: Threat Analysis and Response Solutions

Elsevier

Most introductory texts provide a technology-based survey of methods and techniques that leaves the reader without a clear understanding of the interrelationships between methods and

techniques. By providing a strategy-based introduction, the reader is given a clear understanding of how to provide overlapping defenses for critical information. This understanding provides a basis for engineering and risk-management decisions in the defense of information.Information security is a rapidly growing field, with a projected need for thousands of professionals within the next decade in the government sector alone. It is also a field that has changed in the last decade from a largely theory-based discipline to an experience-based discipline. This shift in the field has left several of the classic texts with a strongly dated feel. - Provides a broad introduction to the methods and techniques in the field of information security - Offers a strategy-based view of these tools and techniques, facilitating selection of overlapping methods for in-depth defense of information - Provides very current view of the emerging standards of practice in information security

Cybersecurity Attacks – Red Team Strategies

CRC Press

Computers at Risk presents a comprehensive agenda for

developing nationwide policies and practices for computer security. Specific recommendations are provided for industry and for government agencies engaged in computer security activities. The volume also outlines problems and opportunities in computer security research, recommends ways to improve the research infrastructure, and suggests topics for investigators. The book explores the diversity of the field, the need to engineer countermeasures based on speculation of what experts think computer attackers may do next, why the technology community has failed to respond to the need for enhanced security systems, how innovators could be encouraged to bring more options to the marketplace, and balancing the importance of security against the right of privacy.

Best Sellers - Books :
• The Going To Bed Book
• Twisted Games (twisted, 2)
• Happy Place By Emily Henry
• Killers Of The Flower Moon: The Osage Murders And The Birth Of The Fbi
• The Courage To Be Free: Florida's Blueprint For America's Revival

- It Ends With Us: A Novel (1)
- The Covenant Of Water (oprah's Book Club)
- The 5 Love Languages: The Secret To Love That Lasts
- My First Library : Boxset Of 10 Board Books For Kids By Wonder House Books
- Tomorrow, And Tomorrow, And Tomorrow: A Novel By Gabrielle Zevin