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The Antivirus Hacker's Handbook-Joxean Koret 2015-08-19 Hack your antivirus software to stamp out future vulnerabilities The Antivirus Hacker's Handbook guides you through the process of reverse engineering antivirus software. You explore how to detect and exploit vulnerabilities that can be leveraged to improve future software design, protect your network, and anticipate attacks that may sneak through your antivirus' line of defense. You'll begin building your knowledge by diving into the reverse engineering process, which details how to start from a finished antivirus software program and work your way back through its development using the functions and other key elements of the software. Next, you leverage your new knowledge about software development to evade, attack, and exploit antivirus software—all of which can help you strengthen your network and protect your data. While not all viruses are damaging, understanding how to better protect your computer against them can help you maintain the integrity of your network. Discover how to reverse engineer your antivirus software Explore methods of antivirus software evasion Consider different ways to attack and exploit antivirus software Understand the current state of the antivirus software market, and get recommendations for users and vendors who are leveraging this software The Antivirus Hacker's Handbook is the essential reference for software reverse engineers, penetration testers, security researchers, exploit writers, antivirus vendors, and software engineers who want to understand how to leverage current antivirus software to improve future applications.

Digital Privacy and Security Using Windows-Nihad Hassan 2017-07-02 Use this hands-on guide to understand the ever growing and complex world of digital security. Learn how to protect yourself from digital crime, secure your communications, and become anonymous online using sophisticated yet practical tools and techniques. This book teaches you how to secure your online identity and personal devices, encrypt your digital data and online communications, protect cloud data and Internet of Things (IoT), mitigate social engineering attacks, keep your purchases secret, and conceal your digital footprint. You will understand best practices to harden your operating system and delete digital traces using the most widely used operating system, Windows. Digital Privacy and Security Using Windows offers a comprehensive list of practical digital privacy tutorials in addition to being a complete repository of free online resources and tools assembled in one place. The book helps you build a robust defense from electronic crime and corporate surveillance. It covers general principles of digital privacy and how to configure and use various security applications to maintain your privacy, such as TOR, VPN, and BitLocker. You will learn to encrypt email communications using Gpg4win and Thunderbird. What You'll Learn Know the various parties interested in having your private data Differentiate between government and corporate surveillance, and the motivations behind each one Understand how online tracking works technically Protect digital data, secure online communications, and become anonymous online Cover and destroy your digital traces using Windows OS Secure your data in transit and at rest Be aware of cyber security risks and countermeasures Who This Book Is For End users, information security professionals, management, infosec students

Mastering Drones-Adidas Wilson The information below is the reason I wrote this book, drones will be commercialized in the future surrounding the year 2025 according to research I've seen. Now is the time as an entrepreneur for making money with drones. Commercial drones and their services are expected to become a multibillion-dollar industry in the next decade, according to a new report from market intelligence firm Tractica. The report says that in 2017, drone revenue should amount to $792 million — mostly from hardware sales. By 2025, Tractica predicts the market will rise to $12.6 billion, with two-thirds of the revenue coming from drone-based services rather than hardware. "A number of major industries are seeing strong value propositions in utilizing drones for commercial use," says Tractica research analyst Manoj Sahi. He named media, real estate and disaster relief as just a few of the industries that could use drone-enabled services. The report says that advances in technology, economies of scale, cloud-based applications and the drive to disrupt the market will contribute to commercial drone success in the coming years. Via GeekWire Introduction 1. Drone Aerial Photography 2. Drone Business Plan 3. Drone Gold Rush 4. Drone Operator FAA Rules 5. Drone Licensing 6. Commercial Drones 7. Air Drone Business Benefits 8. Drone Apps 9. Drone Businesses for the NOW 10. Marketing Drone Photography 11. Entrepreneurs and Drones 12. Drone's in 2025 13. Security Drone Project 14. Drone Photography Business 15. Video Drone Business 16. Reinventing Healthcare 17. Drones via Real Estate 18. Drones and Hacking 19. Drone Business Ideas 20. Drone Wedding Photography 21. FPV flying in Drone Operation 22. Intro to Drone Racing Sports 23. Professional Drone Racing

Ransomware Revealed-Nihad A. Hassan 2019-11-06 Know how to mitigate and handle ransomware attacks via the essential cybersecurity training in this book so you can stop attacks before they happen. Learn the types of ransomware, distribution methods, internal structure, families (variants), defense strategies, recovery methods, and legal issues related to reporting ransomware incidents to authorities and other affected parties. This book also teaches you how to develop a ransomware incident response plan to minimize ransomware damage and recover normal operations quickly. Ransomware is a category of malware that can encrypt your computer and mobile device files until you pay a ransom to unlock them. Ransomware attacks are considered the most prevalent cybersecurity threats today—the number of new ransomware variants has grown 30-fold since 2015 and they currently account for roughly 40% of all spam messages. Attacks have increased in occurrence from one every 40 seconds to one every 14 seconds. Government and private corporations are targets. Despite the security controls set by organizations to protect their digital assets, ransomware is still dominating the world of security and will continue to do so in the future. Ransomware Revealed discusses the steps to follow if a ransomware infection occurs, such as how to pay the ransom through anonymous payment methods, perform a backup and restore your affected files, and search online to find a decryption tool to unlock (decrypt) your files for free. Mitigation steps are discussed in depth for both endpoint devices and network systems. What You Will Learn Be aware of how ransomware infects your system Comprehend ransomware components in simple terms Recognize the different types of ransomware families Identify the attack vectors employed by ransomware to infect computer systems Know how to prevent ransomware attacks from successfully comprising your system and network (i.e., mitigation strategies) Know what to do if a successful ransomware infection takes place Understand how to pay the ransom as well as the pros and cons of paying Set up a ransomware response plan to recover from such attacks Who This Book Is For Those who do not specialize in the cybersecurity field (but have adequate IT skills) and want to fully understand the anatomy of ransomware threats. Although most of the book's content will be understood by ordinary computer users, it will also prove useful for experienced IT users aiming to understand the ins and outs of ransomware threats without diving deep into the technical jargon of the internal structure of ransomware.

CCNA Cyber Ops SECFND #210-250 Official Cert Guide-Omar Santos 2017-04-04 This is the eBook version of the print title. Note that the eBook does not provide access to the practice test software that accompanies the print book. Learn, prepare, and practice for CCNA Cyber Ops SECFND 210-250 exam success with this Cert Guide from Pearson IT Certification, a leader in IT Certification learning. Master CCNA Cyber Ops SECFND 210-250 exam topics Assess your knowledge with chapter-ending quizzes Review key concepts with exam preparation tasks CCNA Cyber Ops SECFND 210-250 Official Cert Guide is a best-of-breed exam study guide. Cisco enterprise security experts Omar Santos, Joseph Muniz, and Stefano De Crescenzo 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. 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 Exam Preparation Tasks 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 study guide helps you master the concepts and techniques that will allow you to succeed on the exam the first time. The study guide helps you master all the topics on the CCNA Cyber Ops SECFND exam, including: Fundamentals of networking protocols and networking device types Network security devices and cloud services Security principles Access control models Security management concepts and techniques Fundamentals of cryptography and PKI Essentials of Virtual Private Networks (VPNs) Windows-based Analysis Linux /MAC OS X-based Analysis Endpoint security technologies Network and host telemetry Security monitoring operations and challenges Types of attacks and vulnerabilities Security evasion techniques

Bond Guide-Standard and Poor's Corporation 2007

Standard & Poor's Earnings and Ratings Bond Guide- 2006

Android Hacker's Handbook-Joshua J. Drake 2014-03-26 The first comprehensive guide to discovering and preventingattacks on the Android OS As the Android operating system continues to increase its shareof the smartphone market, smartphone hacking remains a growingthreat. Written by experts who rank among the world's foremostAndroid security researchers, this book presents vulnerabilitydiscovery, analysis, and exploitation tools for the good guys.Following a detailed explanation of how the Android OS works andits overall security architecture, the authors examine howvulnerabilities can be discovered and exploits developed forvarious system components, preparing you to defend againstthem. If you are a mobile device administrator, security researcher,Android app developer, or consultant responsible for evaluatingAndroid security, you will find this guide is essential to yourtoolbox. A crack team of leading Android security researchers explainAndroid security risks, security design and architecture, rooting,fuzz testing, and vulnerability analysis Covers Android application building blocks and security as wellas debugging and auditing Android apps Prepares mobile device administrators, security researchers,Android app developers, and security consultants to defend Androidsystems against attack Android Hacker's Handbook is the first comprehensiveresource for IT professionals charged with smartphonesecurity.

Network Defense and Countermeasures-William (Chuck) Easttom II 2013-10-18 Everything you need to know about modern network attacks and defense, in one book Clearly explains core network security concepts, challenges, technologies, and skills Thoroughly updated for the latest attacks and countermeasures The perfect beginner's guide for anyone interested in a network security career ¿ Security is the IT industry's hottest topic–and that's where the hottest opportunities are, too. Organizations desperately need professionals who can help them safeguard against the most sophisticated attacks ever created–attacks from well-funded global criminal syndicates, and even governments. ¿ Today, security begins with defending the organizational network. Network Defense and Countermeasures, Second Edition is today's most complete, easy-to-understand introduction to modern network attacks and their effective defense. From malware and DDoS attacks to firewalls and encryption, Chuck Easttom blends theoretical foundations with up-to-the-minute best-practice techniques. Starting with the absolute basics, he discusses crucial topics many security books overlook, including the emergence of network-based espionage and terrorism. ¿ If you have a basic understanding of networks, that's all the background you'll need to succeed with this book: no math or advanced computer science is required. You'll find projects, questions, exercises, case studies, links to expert resources, and a complete glossary–all designed to deepen your understanding and prepare you to defend real-world networks. ¿ Learn how to Understand essential network security concepts, challenges, and careers Learn how modern attacks work Discover how firewalls, intrusion detection systems (IDS), and virtual private networks (VPNs) combine to protect modern networks Select the right security technologies for any network environment Use encryption to protect information Harden Windows and Linux systems and keep them patched Securely configure web browsers to resist attacks Defend against malware Define practical, enforceable security policies Use the "6 Ps" to assess technical and human aspects of system security Detect and fix system vulnerability Apply proven security standards and models, including Orange Book, Common Criteria, and Bell-LaPadula Ensure physical security and prepare for disaster recovery Know your enemy: learn basic hacking, and see how to counter it Understand standard forensic techniques and prepare for investigations of digital crime ¿

Secure IT Systems-Aslan Askarov 2020-01-29 This book constitutes the refereed proceedings of the 24th Nordic Conference on Secure IT Systems, NordSec 2019, held in Aalborg, Denmark, in November 2019. The 17 full papers presented in this volume were carefully reviewed and selected from 32 submissions. They are organized in topical sections named: privacy; network security; platform security and malware; and system and software security.

Cyber Security Essentials-James Graham 2016-04-19 The sophisticated methods used in recent high-profile cyber incidents have driven many to need to understand how such security issues work. Demystifying the complexity often associated with information assurance, Cyber Security Essentials provides a clear understanding of the concepts behind prevalent threats, tactics, and procedures.To accomplish

Online Coupon or Daily Deal Business-Rich Mintzer 2013-09-16 Unlike old-school "design your own coupon book" titles, this book moves straight into computer technology and proceeds to the latest trend in couponing… apps, which provide deals to mobile users wherever they may be. Of particular interest are the sections describing how to make a splash in the highly lucrative, but also competitive daily deal segment of the market, where Groupon and LivingSocial reign supreme. Included within, readers will how to: •Build an online network of followers which can translate into customers •Attract merchants •Join affiliate coupon or daily deal programs •Find your niche market •Create an aggregator site, in which you present the best of the best from daily deal or coupon websites. •Market your coupon or daily deal site through the social media Of particular interest is a chapter devoted to working closely with your merchants to provide coaching and guidance on how the daily deal industry works from their perspective. Many daily deal businesses do not work to enhance the experience for their merchants. Readers, however, can learn how to do so. Experts in the industry are also included such as Marc Horne, co-creator of Daily Deal Builder, who discusses what it takes to build a daily deal site, David Teichner, CEO of Yowza!! who brought deal apps to iPhones and several business owners who have tried their luck at running daily deal. They discuss what they have learned from the process. Currently there are few, if any, other books on how to start a daily deal business and the coupon books focus on how to use coupons and even on extreme couponing, but not on running an online coupon business. This is a unique title which provides those who enjoy offering deals and discounts to get started in an industry that is still growing. All Entrepreneur Step-By-Step Startup Guides Include: •Essential industry-specific startup steps with worksheets, calculators, checklists and more •Bestselling title,Start Your Own Business by Entrepreneur Media Inc., a guide to starting any business and surviving the first three years •Downloadable, customizable business letters, sales letters, and other sample documents •Entrepreneur's Small Business Legal Toolkit

Seven Deadliest USB Attacks-Brian Anderson 2010-06-03 Seven Deadliest USB Attacks provides a comprehensive view of the most serious types of Universal Serial Bus (USB) attacks. While the book focuses on Windows systems, Mac, Linux, and UNIX systems are equally susceptible to similar attacks. If you need to keep up with the latest hacks, attacks, and exploits effecting USB technology, then this book is for you. This book pinpoints the most dangerous hacks and exploits specific to USB, laying out the anatomy of these attacks including how to make your system more secure. You will discover the best ways to defend against these vicious hacks with step-by-step instruction and learn techniques to make your computer and network impenetrable. The attacks outlined in this book are intended for individuals with moderate Microsoft Windows proficiency. The book provides the tools, tricks, and detailed instructions necessary to reconstruct and mitigate these activities while peering into the risks and future aspects surrounding the respective technologies. There are seven chapters that cover the following: USB Hacksaw; the USB Switchblade; viruses and malicious codes; USB-based heap overflow; the evolution of forensics in computer security; pod slurping; and the human element of security, including the risks, rewards, and controversy surrounding social-engineering engagements. This book was written to target a vast audience including students, technical staff, business leaders, or anyone seeking to understand fully the removable-media risk for Windows systems. It will be a valuable resource for information security professionals of all levels, as well as web application developers and recreational hackers. Knowledge is power, find out about the most dominant attacks currently waging war on computers and networks globally Discover the best ways to defend against these vicious attacks; step-by-step instruction shows you how Institute countermeasures, don't be caught defenseless again, and learn techniques to make your computer and network impenetrable

Steal This Computer Book 4.0-Wallace Wang 2006-05-06 If you thought hacking was just about mischief-makers hunched over computers in the basement, think again. As seasoned author Wallace Wang explains, hacking can also mean questioning the status quo, looking for your own truths and never accepting at face value anything authorities say or do. The completely revised fourth edition of this offbeat, non-technical book examines what hackers do, how they do it, and how you can protect yourself. Written in the same informative, irreverent, and entertaining style that made the first three editions hugely successful, Steal This Computer Book 4.0 will expand your mind and raise your eyebrows. New chapters discuss the hacker mentality, social engineering and lock picking, exploiting P2P file-sharing networks, and how people manipulate search engines and pop-up ads to obtain and use personal information. Wang also takes issue with the media for "hacking" the news and presenting the public with self-serving stories of questionable accuracy. Inside, you'll discover: –How to manage and fight spam and spyware –How Trojan horse programs and rootkits work and how to defend against them –How hackers steal software and defeat copy-protection mechanisms –How to tell if your machine is being attacked and what you can do to protect it –Where the hackers are, how they probe a target and sneak into a computer, and what they do once they get inside –How corporations use hacker techniques to infect your computer and invade your privacy –How you can lock down your computer to protect your data and your personal information using free programs included on the book's CD If you've ever logged onto a website, conducted an online transaction, sent or received email, used a networked computer or even watched the evening news, you may have already been tricked, tracked, hacked, and manipulated. As the saying goes, just because you're paranoid doesn't mean they aren't after you. And, as Wallace Wang reveals, they probably are. The companion CD contains hundreds of megabytes of 100% FREE hacking and security related programs, like keyloggers, spyware stoppers, port blockers, IP scanners, Trojan horse detectors, and much, much more. CD compatible with Windows, Mac, and Linux.

Hacking For Dummies-Kevin Beaver 2010-01-12 A new edition of the bestselling guide-now updated to cover the latest hacks and how to prevent them! It's bad enough when a hack occurs-stealing identities, bank accounts, and personal information. But when the hack could have been prevented by taking basic security measures-like the ones

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described in this book-somehow that makes a bad situation even worse. This beginner guide to hacking examines some of the best security measures that exist and has been updated to cover the latest hacks for Windows 7 and the newest version of Linux. Offering increased coverage of Web application hacks, database hacks, VoIP hacks, and mobile computing hacks, this guide addresses a wide range of vulnerabilities and how to identify and prevent them. Plus, you'll examine why ethical hacking is oftentimes the only way to find security flaws, which can then prevent any future malicious attacks. Explores the malicious hackers's mindset so that you can counteract or avoid attacks completely Covers developing strategies for reporting vulnerabilities, managing security changes, and putting anti-hacking policies and procedures in place Completely updated to examine the latest hacks to Windows 7 and the newest version of Linux Explains ethical hacking and why it is essential Hacking For Dummies, 3rd Edition shows you how to put all the necessary security measures in place so that you avoid becoming a victim of malicious hacking.

Windows 8.1 in Depth-Brian Knittel 2014 A comprehensive guide for users already familiar with the Windows operating system covers the new features of Windows 8.1, from the basics to such complex topics as networking, security, and customization, and includes troubleshooting tips.

Rootkits For Dummies-Larry Stevenson 2006-12-11 A rootkit is a type of malicious software that gives the hacker "root" or administrator access to your network. They are activated before your system's operating system has completely booted up, making them extremely difficult to detect. Rootkits allow hackers to install hidden files, processes, and hidden user accounts. Hackers can use them to open back doors in order to intercept data from terminals, connections, and keyboards. A rootkit hacker can gain access to your systems and stay there for years, completely undetected. Learn from respected security experts and Microsoft Security MVPs how to recognize rootkits, get rid of them, and manage damage control. Accompanying the book is a value-packed companion CD offering a unique suite of tools to help administrators and users detect rootkit problems, conduct forensic analysis, and make quick security fixes. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Practical Information Security-Izzat Alsmadi 2018-01-30 This textbook presents a practical introduction to information security using the Competency Based Education (CBE) method of teaching. The content and ancillary assessment methods explicitly measure student progress in the three core categories: Knowledge, Skills, and Experience, giving students a balance between background knowledge, context, and skills they can put to work. Students will learn both the foundations and applications of information systems security; safeguarding from malicious attacks, threats, and vulnerabilities; auditing, testing, and monitoring; risk, response, and recovery; networks and telecommunications security; source code security; information security standards; and compliance laws. The book can be used in introductory courses in security (information, cyber, network or computer security), including classes that don’t specifically use the CBE method, as instructors can adjust methods and ancillaries based on their own preferences. The book content is also aligned with the Cybersecurity Competency Model, proposed by department of homeland security. The author is an active member of The National Initiative for Cybersecurity Education (NICE), which is led by the National Institute of Standards and Technology (NIST). NICE is a partnership between government, academia, and the private sector focused on cybersecurity education, training, and workforce development.

Penetration Testing Fundamentals-William (Chuck) Easttom II 2018-03-06 The perfect introduction to pen testing for all IT professionals and students · Clearly explains key concepts, terminology, challenges, tools, and skills · Covers the latest penetration testing standards from NSA, PCI, and NIST Welcome to today’s most useful and practical introduction to penetration testing. Chuck Easttom brings together up-to-the-minute coverage of all the concepts, terminology, challenges, and skills you’ll need to be effective. Drawing on decades of experience in cybersecurity and related IT fields, Easttom integrates theory and practice, covering the entire penetration testing life cycle from planning to reporting. You’ll gain practical experience through a start-to-finish sample project relying on free open source tools. Throughout, quizzes, projects, and review sections deepen your understanding and help you apply what you’ve learned. Including essential pen testing standards from NSA, PCI, and NIST, Penetration Testing Fundamentals will help you protect your assets–and expand your career options. LEARN HOW TO · Understand what pen testing is and how it’s used · Meet modern standards for comprehensive and effective testing · Review cryptography essentials every pen tester must know · Perform reconnaissance with Nmap, Google searches, and ShodanHq · Use malware as part of your pen testing toolkit · Test for vulnerabilities in Windows shares, scripts, WMI, and the Registry · Pen test websites and web communication · Recognize SQL injection and cross-site scripting attacks · Scan for vulnerabilities with OWASP ZAP, Vega, Nessus, and MBSA · Identify Linux vulnerabilities and password cracks · Use Kali Linux for advanced pen testing · Apply general hacking technique ssuch as fake Wi-Fi hotspots and social engineering · Systematically test your environment with Metasploit · Write or customize sophisticated Metasploit exploits

Practical Reverse Engineering-Bruce Dang 2014-02-03 Analyzing how hacks are done, so as to stop them in thefuture Reverse engineering is the process of analyzing hardware orsoftware and understanding it, without having access to the sourcecode or design documents. Hackers are able to reverse engineersystems and exploit what they find with scary results. Now the goodguys can use the same tools to thwart these threats. PracticalReverse Engineering goes under the hood of reverse engineeringfor security analysts, security engineers, and system programmers,so they can learn how to use these same processes to stop hackersin their tracks. The book covers x86, x64, and ARM (the first book to cover allthree); Windows kernel-mode code rootkits and drivers; virtualmachine protection techniques; and much more. Best of all, itoffers a systematic approach to the material, with plenty ofhands-on exercises and real-world examples. Offers a systematic approach to understanding reverseengineering, with hands-on exercises and real-world examples Covers x86, x64, and advanced RISC machine (ARM) architecturesas well as deobfuscation and virtual machine protectiontechniques Provides special coverage of Windows kernel-mode code(rootkits/drivers), a topic not often covered elsewhere, andexplains how to analyze drivers step by step Demystifies topics that have a steep learning curve Includes a bonus chapter on reverse engineering tools Practical Reverse Engineering: Using x86, x64, ARM, WindowsKernel, and Reversing Tools provides crucial, up-to-dateguidance for a broad range of IT professionals.

Laptops For Dummies-Dan Gookin 2004-12-27 With a generous dash of humor and fun, bestselling author Dan Gookin shows people how to select the right machine and tackle typical laptop challenges Laptop sales recently surpassed those of desktop machines-a trend that seems likely to continue A must for laptop newbies as well as road warriors who need to get the most out of their machines Covers synchronizing with the desktop, accessing the desktop remotely, coordinating e-mail pickup between two machines, wireless networking, managing power, and securing a laptop

Convergence and Hybrid Information Technology-Geuk Lee 2011-09-13 This book constitutes the refereed proceedings of the 5th International Conference on Convergence and Hybrid Information Technology, ICHIT 2011, held in Daejeon, Korea, in September 2011. The 94 revised full papers were carefully selected from 323 initial submissions. The papers are organized in topical sections on communications and networking, intelligent systems and applications, sensor network and cloud systems, information retrieval and scheduling, hardware and software engineering, security systems, robotics and RFID Systems, pattern recognition, image processing and clustering, data mining, as well as human computer interaction.

Securing IM and P2P Applications for the Enterprise-Marcus Sachs 2005-12-12 This book is for system administrators and security professionals who need to bring now ubiquitous IM and P2P applications under their control. Many businesses are now taking advantage of the speed and efficiency offered by both IM and P2P applications, yet are completely ill-equipped to deal with the management and security ramifications. These companies are now finding out the hard way that these applications which have infiltrated their networks are now the prime targets for malicious network traffic. This book will provide specific information for IT professionals to protect themselves from these vulnerabilities at both the network and application layers by identifying and blocking this malicious traffic. * A recent study by the Yankee group ranked "managing and securing IM and P2P applications" as the #3 priority for IT managers in 2004 * The recently updated SANS/FBI top 10 list of vulnerabilities for computers running Microsoft Windows contained both P2P and IM applications for the first time * The recently released Symantec Threat Assessment report for the first half of 2004 showed that 19 of the top 50 virus threats targeted IM or P2P applications. Despite the prevalence of IM and P2P applications on corporate networks and the risks they pose, there are no other books covering these topics

Smart Cities of Today and Tomorrow-Joseph N. Pelton 2018-08-28 Hackers, cyber-criminals, Dark Web users, and techno-terrorists beware! This book should make you think twice about attempting to do your dirty work in the smart cities of tomorrow. Scores of cities around the world have begun planning what are known as “smart cities.” These new or revamped urban areas use the latest technology to make the lives of residents easier and more enjoyable.They will have automated infrastructures such as the Internet of Things, “the Cloud,” automated industrial controls, electronic money, mobile and communication satellite systems, wireless texting and networking. With all of these benefits come new forms of danger, and so these cities will need many safeguards to prevent cyber criminals from wreaking havoc. This book explains the advantages of smart cities and how to design and operate one. Based on the practical experience of the authors in projects in the U.S. and overseas in Dubai, Malaysia, Brazil and India, it tells how such a city is planned and analyzes vital security concerns that must be addressed along the way. Most of us will eventually live in smart cities. What are the advantages and the latest design strategies for such ventures? What are the potential drawbacks? How will they change the lives of everyday citizens? This book offers a preview of our future and how you can help prepare yourself for the changes to come.

Cybersecurity-Thomas J. Mowbray 2013-10-18 A must-have, hands-on guide for working in the cybersecurityprofession Cybersecurity involves preventative methods to protectinformation from attacks. It requires a thorough understanding ofpotential threats, such as viruses and other malicious code, aswell as system vulnerability and security architecture. Thisessential book addresses cybersecurity strategies that includeidentity management, risk management, and incident management, andalso serves as a detailed guide for anyone looking to enter thesecurity profession. Doubling as the text for a cybersecuritycourse, it is also a useful reference for cybersecurity testing, ITtest/development, and system/network administration. Covers everything from basic network administration securityskills through advanced command line scripting, tool customization,and log analysis skills Dives deeper into such intense topics as wireshark/tcpdumpfiltering, Google hacks, Windows/Linux scripting, Metasploitcommand line, and tool customizations Delves into network administration for Windows, Linux, andVMware Examines penetration testing, cyber investigations, firewallconfiguration, and security tool customization Shares techniques for cybersecurity testing, planning, andreporting Cybersecurity: Managing Systems, Conducting Testing, andInvestigating Intrusions is a comprehensive and authoritativelook at the critical topic of cybersecurity from start tofinish.

Cybersecurity for Hospitals and Healthcare Facilities-Luis Ayala 2016-09-06 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

The NICE Cyber Security Framework-Izzat Alsmadi 2019-01-24 This textbook is for courses in cyber security education that follow National Initiative for Cybersecurity Education (NICE) KSAs work roles and framework, that adopt the Competency-Based Education (CBE) method. The book follows the CBT (KSA) general framework, meaning each chapter contains three sections, knowledge and questions, and skills/labs for Skills and Abilities. The author makes an explicit balance between knowledge and skills material in information security, giving readers immediate applicable skills. The book is divided into seven parts: Securely Provision; Operate and Maintain; Oversee and Govern; Protect and Defend; Analysis; Operate and Collect; Investigate. All classroom materials (in the book an ancillary) adhere to the NICE framework. Mirrors classes set up by the National Initiative for Cybersecurity Education (NICE) Adopts the Competency-Based Education (CBE) method of teaching, used by universities, corporations, and in government training Includes content and ancillaries that provide skill-based instruction on compliance laws, information security standards, risk response and recovery, and more

The Savvy Senior-Jim Miller 2004 "If you're looking for answers to senior questions, here is the solution. Why spend endless hours searching the Internet or talking to automated phone systems trying to figure out your Social Security benefits? Spend only what you need to on your prescription drugs, and get what you're owed from Medicare. Turn to the source that millions of readers have trusted - Jim Miller, the author of ""The Savvy Senior"" newspaper column, published in over 400 newspapers nationwide."

Open Source Intelligence Methods and Tools-Nihad A. Hassan 2018-06-30 Apply Open Source Intelligence (OSINT) techniques, methods, and tools to acquire information from publicly available online sources to support your intelligence analysis. Use the harvested data in different scenarios such as financial, crime, and terrorism investigations as well as performing business competition analysis and acquiring intelligence about individuals and other entities. This book will also improve your skills to acquire information online from both the regular Internet as well as the hidden web through its two sub-layers: the deep web and the dark web. The author includes many OSINT resources that can be used by intelligence agencies as well as by enterprises to monitor trends on a global level, identify risks, and gather competitor intelligence so more effective decisions can be made. You will discover techniques, methods, and tools that are equally used by hackers and penetration testers to gather intelligence about a specific target online. And you will be aware of how OSINT resources can be used in conducting social engineering attacks. Open Source Intelligence Methods and Tools takes a practical approach and lists hundreds of OSINT resources that can be used to gather intelligence from online public sources. The book also covers how to anonymize your digital identity online so you can conduct your searching activities without revealing your identity. What You’ll Learn Identify intelligence needs and leverage a broad range of tools and sources to improve data collection, analysis, and decision making in your organization Use OSINT resources to protect individuals and enterprises by discovering data that is online, exposed, and sensitive and hide the data before it is revealed by outside attackers Gather corporate intelligence about business competitors and predict future market directions Conduct advanced searches to gather intelligence from social media sites such as Facebook and Twitter Understand the different layers that make up the Internet and how to search within the invisible web which contains both the deep and the dark webs Who This Book Is For Penetration testers, digital forensics investigators, intelligence services, military, law enforcement, UN agencies, and for-profit/non-profit enterprises

Multimedia Communications, Services and Security-Andrzej Dziech 2013-05-16 This volume constitutes the refereed proceedings of the 6th International Conference on Multimedia Communications, Services and Security, MCSS 2013, held in Krakow, Poland, in June 2013. The 27 full papers included in the volume were selected from numerous submissions. The papers cover various topics related to multimedia technology and its application to public safety problems.

Cyclopedia of Philosophy-Sam Vaknin 2009-02-18 Cyclopedia of issues in modern philosophy: The philosophy of science and religion, the cognitive sciences, cultural studies, aesthetics, art and literature, the philosophy of economics, the philosophy of psychology, and ethics.

Cyberdanger-Eddy Willems 2019-05-07 This book describes the key cybercrime threats facing individuals, businesses, and organizations in our online world. The author first explains malware and its origins; he describes the extensive underground economy and the various attacks that cybercriminals have developed, including malware, spam, and hacking; he offers constructive advice on countermeasures for individuals and organizations; and he discusses the related topics of cyberespionage, cyberwarfare, hacktivism, and anti-malware organizations, and appropriate roles for the state and the media. The author has worked in the security industry for decades, and he brings a wealth of experience and expertise. In particular he offers insights about the human factor, the people involved on both sides and their styles and motivations. He writes in an accessible, often humorous way about real-world cases in industry, and his collaborations with police and government agencies worldwide, and the text features interviews with leading industry experts. The book is important reading for all professionals engaged with securing information, people, and enterprises. It’s also a valuable introduction for the general reader who wants to learn about cybersecurity.

Infamous Pirates-Ezra Strong 2007-10-19 This book of true tales of high-seas outlaws dates from the early 19th century when pirates still ruled the Caribbean. Fast paced and action packed, it continues to captivate readers.

Digital Forensics and Cyber Crime-Petr Matoušek 2018-01-04 This book constitutes the refereed proceedings of the 9th International Conference on Digital Forensics and Cyber Crime, ICDF2C 2017, held in Prague, Czech Republic, in October 2017. The 18 full papers were selected from 50 submissions and are grouped in topical sections on malware and botnet, deanonymization, digital forensics tools, cybercrime investigation and digital forensics triage, digital forensics tools testing and validation, hacking

Backtrack 5 Wireless Penetration Testing-Vivek Ramachandran 2011-09-09 Wireless has become ubiquitous in today’s world. The mobility and flexibility provided by it makes our lives more comfortable and productive. But this comes at a cost – Wireless technologies are inherently insecure and can be easily broken. BackTrack is a penetration testing and security auditing distribution that comes with a myriad of wireless networking tools used to simulate network attacks and detect security loopholes. Backtrack 5 Wireless Penetration Testing Beginner’s Guide will take you through the journey of becoming a Wireless hacker. You will learn various wireless testing methodologies taught using live examples, which you will implement throughout this book. The engaging practical sessions very gradually grow in complexity giving you enough time to ramp up before you get to advanced wireless attacks. This book will take you through the basic concepts in Wireless and creating a lab environment for your experiments to the business of different lab sessions in wireless security basics, slowly turn on the heat and move to more complicated scenarios, and finally end your journey by conducting bleeding edge wireless attacks in your lab. There are many interesting and new things that you will learn in this book – War Driving, WLAN packet sniffing, Network Scanning, Circumventing hidden SSIDs and MAC filters, bypassing Shared Authentication, Cracking WEP and WPA/WPA2 encryption, Access Point MAC spoofing, Rogue Devices, Evil Twins, Denial of Service attacks, Viral SSIDs, Honeypot and Hotspot attacks, Caffe Latte WEP Attack, Man-in-the-Middle attacks, Evading Wireless Intrusion Prevention systems and a bunch of other cutting edge wireless attacks. If you were ever curious about what wireless security and hacking was all about, then this book will get you started by providing you with the knowledge and practical know-how to become a wireless hacker. Hands-on practical guide with a step-by-step approach to help

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you get started immediately with Wireless Penetration Testing
PCI Compliance-Anton Chuvakin 2009-11-13 PCI Compliance: Understand and Implement Effective PCI Data Security Standard Compliance, Second Edition, discusses not only how to apply PCI in a practical and cost-effective way but more importantly why. The book explains what the Payment Card Industry Data Security Standard (PCI DSS) is and why it is here to stay; how it applies to information technology (IT) and information security professionals and their organization; how to deal with PCI assessors; and how to plan and manage PCI DSS project. It also describes the technologies referenced by PCI DSS and how PCI DSS relates to laws, frameworks, and regulations. This book is for IT managers and company managers who need to understand how PCI DSS applies to their organizations. It is for the small- and medium-size businesses that do not have an IT department to delegate to. It is for large organizations whose PCI DSS project scope is immense. It is also for all organizations that need to grasp the concepts of PCI DSS and how to implement an effective security framework that is also compliant. Completely updated to follow the PCI DSS standard 1.2.1 Packed with help to develop and implement an effective security strategy to keep infrastructure compliant and secure Both authors have broad information security backgrounds, including extensive PCI DSS experience
Business Expert's Guidebook: Small Business Tips, Technology Trends and Online Marketing-Scott Steinberg 2012-06-01 From smartphone apps to tablet PCs and social networks, any business can use technology to increase ROI and boost productivity without sacrificing quality or customer service. A complete guide with hints, tips and advice for modern executives of all experience levels, small business expert and entrepreneur Scott Steinberg reveals how to tap their power within. From marketing and management to leadership, advertising and public relations, learn how to slash costs and maximize productivity using today's latest high-tech innovations. Every business - and business plan - can profit from keeping up with IT advances. Join us as we reveal how to give yours an upgrade. Includes: Best Business Apps, Gadgets, Online Services - Social Media Secrets: Facebook, Twitter, Google+ - Advertising and PR on Any Budget - Online Marketing and SEO - IT Security Tips - How to Start Any Business Overnight "The one book every entrepreneur should keep handy." Gary Shapiro, CEO, Consumer Electronics Association
Microsoft Windows 7 in Depth-Robert Cowart 2010 Provides a collection of solutions, techniques, and shortcuts to get the most out of Microsoft Windows 7, covering such topics as managing files, printing, gadgets, networking, Windows Media Center, Internet Explorer 8, and Windows Live Mail.
The Red Thread-Bernard Faure 1998-10-26 Is there a Buddhist discourse on sex? In this innovative study, Bernard Faure reveals Buddhism's paradoxical attitudes toward sexuality. His remarkably broad range covers the entire geography of this religion, and its long evolution from the time of its founder, Xvkyamuni, to the premodern age. The author's anthropological approach uncovers the inherent discrepancies between the normative teachings of Buddhism and what its followers practice. Framing his discussion on some of the most prominent Western thinkers of sexuality--Georges Bataille and Michel Foucault--Faure draws from different reservoirs of writings, such as the orthodox and heterodox "doctrines" of Buddhism, and its monastic codes. Virtually untapped mythological as well as legal sources are also used. The dialectics inherent in Mahvyvna Buddhism, in particular in the Tantric and Chan/Zen traditions, seemed to allow for greater laxity and even encouraged breaking of taboos. Faure also offers a history of Buddhist monastic life, which has been buffeted by anticlerical attitudes, and by attempts to regulate sexual behavior from both within and beyond the monastery. In two chapters devoted to Buddhist homosexuality, he examines the way in which this sexual behavior was simultaneously condemned and idealized in medieval Japan. This book will appeal especially to those interested in the cultural history of Buddhism and in premodern Japanese culture. But the story of how one of the world's oldest religions has faced one of life's greatest problems makes fascinating reading for all.
Handbook of Information Security, Information Warfare, Social, Legal, and International Issues and Security Foundations-Hossein Bidgoli 2006-03-10 The Handbook of Information Security is a definitive 3-volume handbook that offers coverage of both established and cutting-edge theories and developments on information and computer security. The text contains 180 articles from over 200 leading experts, providing the benchmark resource for information security, network security, information privacy, and information warfare.

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