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CompTIA PenTest+ Certification For Dummies

John Wiley & Sons **Prepare for the CompTIA PenTest+ certification CompTIA's PenTest+ Certification is an essential certification to building a successful penetration testing career. Test takers must pass an 85-question exam to be certified, and this book—plus the online test bank—will help you reach your certification goal. CompTIA PenTest+ Certification For Dummies includes a map to the exam’s objectives and helps you get up to speed on planning and scoping, information gathering and vulnerability identification, attacks and exploits, penetration testing tools and reporting, and communication skills. Pass the PenTest+ Certification exam and grow as a Pen Testing professional Learn to demonstrate hands-on ability to Pen Test Practice with hundreds of study questions in a free online test bank Find test-taking advice and a review of the types of questions you'll see on the exam Get ready to acquire all the knowledge you need to pass the PenTest+ exam and start your career in this growing field in cybersecurity!**

Cybersecurity For Dummies

John Wiley & Sons **Explore the latest developments in cybersecurity with this essential guide Every day it seems we read another story about one company or another being targeted by cybercriminals. It makes some of us wonder: am I safe online? The good news is that we can all be cybersecure—and it doesn't take a degree in computer science to make it happen! Cybersecurity For Dummies is the down-to-earth guide you need to secure your own data (and your company's, too). You'll get step-by-step guidance on how to implement reasonable security measures, prevent cyber attacks, deal securely with remote work, and what to do in the event that your information is compromised. The book also offers: Updated directions on how to prevent ransomware attacks and how to handle the situation if you become a target Step-by-step instructions on how to create data backups and implement strong encryption Basic info that every aspiring cybersecurity professional needs to know Cybersecurity For Dummies is the ideal handbook for anyone considering a career transition into cybersecurity, as well as anyone seeking to secure sensitive information.**

Hacking For Dummies

John Wiley & Sons **Learn to think like a hacker to secure your own systems and data Your smartphone, laptop, and desktop computer are more important to your life and business than ever before. On top of making your life easier and more productive, they hold sensitive information that should remain private. Luckily for all of us, anyone can learn powerful data privacy and security techniques to keep the bad guys on the outside where they belong. Hacking For Dummies takes you on an easy-to-follow cybersecurity voyage that will teach you the essentials of vulnerability and penetration testing so that you can find the holes in your network before the bad guys exploit them. You will learn to secure your Wi-Fi networks, lock down your latest Windows 11 installation, understand the security implications of remote work, and much more. You'll find out how to: Stay on top of the latest security weaknesses that could affect your business's security setup Use freely available testing tools to "penetration test" your network's security Use ongoing security checkups to continually ensure that your data is safe from hackers Perfect for small business owners, IT and security professionals, and employees who work remotely, Hacking For Dummies is a must-have resource for anyone who wants to keep their data safe.**

Penetration Testing: A Survival Guide

Packt Publishing Ltd **A complete pentesting guide facilitating smooth backtracking for working hackers About This Book Conduct network testing, surveillance, pen testing and forensics on MS Windows using Kali Linux Gain a deep understanding of the flaws in web applications and exploit them in a practical manner Pentest Android apps and perform various attacks in the real world using real case studies Who This Book Is For This course is for anyone who wants to learn about security. Basic knowledge of Android programming would be a plus. What You Will Learn Exploit several common Windows network vulnerabilities Recover lost files, investigate successful hacks, and discover hidden data in innocent-looking files Expose vulnerabilities present in web servers and their applications using server-side attacks Use SQL and cross-site scripting (XSS) attacks Check for XSS flaws using the burp suite proxy Acquaint yourself with the fundamental building blocks of Android Apps in the right way Take a look at how your personal data can be stolen by malicious attackers See how developers make mistakes that allow attackers to steal data from phones In Detail The need for penetration testers has grown well over what the IT industry ever anticipated. Running just a vulnerability scanner is no longer an effective method to determine whether a business is truly secure. This learning path will help you develop the most effective penetration testing skills to protect your Windows, web applications, and Android devices. The first module focuses on the Windows platform, which is one of the most common OSes, and managing its security spawned the discipline of IT security. Kali Linux is the premier platform for testing and maintaining Windows security. Employs the most advanced tools and techniques to reproduce the methods used by sophisticated hackers. In this module first,you'll be introduced to Kali's top ten tools and other useful reporting tools. Then, you will find your way around your target network and determine known vulnerabilities so you can exploit a system remotely. You'll not only learn to penetrate in the machine, but will also learn to work with Windows privilege escalations. The second module will help you get to grips with the tools used in Kali Linux 2.0 that relate to web application hacking. You will get to know about scripting and input validation flaws, AJAX, and security issues related to AJAX. You will also use an automated technique called fuzzing so you can identify flaws in a web application. Finally, you'll understand the web application vulnerabilities and the ways they can be exploited. In the last module, you'll get started with Android security. Android, being the platform with the largest consumer base, is the obvious primary target for attackers. You'll begin this journey with the absolute basics and will then slowly gear up to the concepts of Android rooting, application security assessments, malware, infecting APK files, and fuzzing. You'll gain the skills**

necessary to perform Android application vulnerability assessments and to create an Android pentesting lab. This Learning Path is a blend of content from the following Packt products: Kali Linux 2: Windows Penetration Testing by Wolf Halton and Bo Weaver Web Penetration Testing with Kali Linux, Second Edition by Juned Ahmed Ansari Hacking Android by Srinivasa Rao Kotipalli and Mohammed A. Imran Style and approach This course uses easy-to-understand yet professional language for explaining concepts to test your network's security.

Proceedings of the South African Information Security Multi-Conference

Port Elizabeth, South Africa, 17-18 May 2010

Lulu.com

Service Engineering

European Research Results

Springer Science & Business Media **Service engineering is increasingly posing challenges to traditional software engineering methodologies including specification, modeling, architecture, and verification, just to name a few. On the other hand, the latest advancements in software engineering are continuously leveraged in Service Engineering research, especially in the design and implementation of service-oriented systems. Several mutual impacts between service engineering and software engineering could be observed in the last decade, and many research efforts have been devoted to the field. However, in spite of the considerable efforts and significant contributions, few have attempted to summarize the research results systematically.**

Practical Social Engineering

A Primer for the Ethical Hacker

No Starch Press **A guide to hacking the human element. Even the most advanced security teams can do little to defend against an employee clicking a malicious link, opening an email attachment, or revealing sensitive information in a phone call. Practical Social Engineering will help you better understand the techniques behind these social engineering attacks and how to thwart cyber criminals and malicious actors who use them to take advantage of human nature. Joe Gray, an award-winning expert on social engineering, shares case studies, best practices, open source intelligence (OSINT) tools, and templates for orchestrating and reporting attacks so companies can better protect themselves. He outlines creative techniques to trick users out of their credentials, such as leveraging Python scripts and editing HTML files to clone a legitimate website. Once you've succeeded in harvesting information about your targets with advanced OSINT methods, you'll discover how to defend your own organization from similar threats. You'll learn how to: Apply phishing techniques like spoofing, squatting, and standing up your own web server to avoid detection Use OSINT tools like Recon-ng, theHarvester, and Hunter Capture a target's information from social media Collect and report metrics about the success of your attack Implement technical controls and awareness programs to help defend against social engineering Fast-paced, hands-on, and ethically focused, Practical Social Engineering is a book every pentester can put to use immediately.**

CASP: CompTIA Advanced Security Practitioner Study Guide Authorized Courseware

Exam CAS-001

John Wiley & Sons **Get Prepared for CompTIA Advanced Security Practitioner (CASP) Exam Targeting security professionals who either have their CompTIA Security+ certification or are looking to achieve a more advanced security certification, this CompTIA Authorized study guide is focused on the new CompTIA Advanced Security Practitioner (CASP) Exam CAS-001. Veteran IT security expert and author Michael Gregg details the technical knowledge and skills you need to conceptualize, design, and engineer secure solutions across complex enterprise environments. He prepares you for aspects of the certification test that assess how well you apply critical thinking and judgment across a broad spectrum of security disciplines. Featuring clear and concise information on crucial security topics, this study guide includes examples and insights drawn from real-world experience to help you not only prepare for the exam, but also your career. You will get complete coverage of exam objectives for all topic areas including: Securing Enterprise-level Infrastructures Conducting Risk Management Assessment Implementing Security Policies and Procedures Researching and Analyzing Industry Trends Integrating Computing, Communications and Business Disciplines Additionally, you can download a suite of study tools to help you prepare including an assessment test, two practice exams, electronic flashcards, and a glossary of key terms. Go to www.sybex.com/go/casp and download the full set of electronic test prep tools.**

Mystic

An Adventure from the Myrmidon Files

Adrenaline Press **The pattern emerges…. A series of unexplained deaths are only a harbinger of the apocalypse to come. A mysterious figure who calls himself 'the Immortal' is plotting the destruction of the global economy, and only Tam Broderick and her CIA task force—the Myrmidons—can stop it. But when the Immortal sends his followers on a quest to retrieve a medieval relic alleged to have mystical powers, the pattern becomes less clear. Is this a ruse to throw the Myrmidons off the trail? Or is the relic the key to the Immortal's ingenious plan? Action and thrills abound in this exciting sequel to Destiny! Praise for David Wood "Dane and Bones.... Together they're unstoppable. Rip roaring action**

from start to finish. Wit and humor throughout. Just one question - how soon until the next one? Because I can't wait." -Graham Brown, author of Shadows of the Midnight Sun "What an adventure! A great read that provides lots of action, and thoughtful insight as well, into strange realms that are sometimes best left unexplored." -Paul Kemprecos, author of Cool Blue Tomb and the NUMA Files "A page-turning yarn blending high action, Biblical speculation, ancient secrets, and nasty creatures. Indiana Jones better watch his back!" -Jeremy Robinson, author of SecondWorld "With the thoroughly enjoyable way Mr. Wood has mixed speculative history with our modern day pursuit of truth, he has created a story that thrills and makes one think beyond the boundaries of mere fiction and enter the world of 'why not'?" -David Lynn Golemon, Author of the Event Group series "A twisty tale of adventure and intrigue that never lets up and never lets go!" -Robert Masello, author of The Einstein Prophecy "Let there be no confusion: David Wood is the next Clive Cussler. Once you start reading, you won't be able to stop until the last mystery plays out in the final line."-Edward G. Talbot, author of 2012: The Fifth World "I like my thrillers with lots of explosions, global locations and a mystery where I learn something new. Wood delivers! Recommended as a fast paced, kick ass read."-J.F. Penn, author of Desecration

Enhanced Discovering Computers & Microsoft Office 2013: A Combined Fundamental Approach

Cengage Learning **Combining computer concepts material from the best-selling Discovering Computers and step-by-step instruction on Office applications from Microsoft Office 2013, ENHANCED DISCOVERING COMPUTERS & MICROSOFT OFFICE 2013: A COMBINED FUNDAMENTAL APPROACH delivers the best of Shelly Cashman Series in one book for your Introduction to Computers course. For the past three decades, the Shelly Cashman Series has effectively introduced computer skills to millions of students. We're continuing our history of innovation by enhancing our proven pedagogy to engage you in more critical thought, personalization, and experimentation with Office 2013 software. In addition, computer concepts content has been fully updated and revised to reflect the evolving needs of Introductory Computing students, and focus solely on what you really need to know to be a successful digital citizen in college and beyond. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

Cyberwarfare: An Introduction to Information-Age Conflict

Artech House **Conflict in cyberspace is becoming more prevalent in all public and private sectors and is of concern on many levels. As a result, knowledge of the topic is becoming essential across most disciplines. This book reviews and explains the technologies that underlie offensive and defensive cyber operations, which are practiced by a range of cyber actors including state actors, criminal enterprises, activists, and individuals. It explains the processes and technologies that enable the full spectrum of cyber operations. Readers will learn how to use basic tools for cyber security and pen-testing, and also be able to quantitatively assess cyber risk to systems and environments and discern and categorize malicious activity. The book provides key concepts of information age conflict technical basics/fundamentals needed to understand more specific remedies and activities associated with all aspects of cyber operations. It explains techniques associated with offensive cyber operations, with careful distinctions made between cyber ISR, cyber exploitation, and cyber attack. It explores defensive cyber operations and includes case studies that provide practical information, making this book useful for both novice and advanced information warfare practitioners.**

CompTIA Security+ Guide to Network Security Fundamentals

Cengage Learning **This best-selling guide provides a complete, practical, up-to-date introduction to network and computer security. SECURITY+ GUIDE TO NETWORK SECURITY FUNDAMENTALS, Fifth Edition, maps to the new CompTIA Security+ SY0-401 Certification Exam, providing thorough coverage of all domain objectives to help readers prepare for professional certification and career success. The text covers the essentials of network security, including compliance and operational security; threats and vulnerabilities; application, data, and host security; access control and identity management; and cryptography. The extensively updated Fifth Edition features a new structure based on major domains, a new chapter dedicated to mobile device security, expanded coverage of attacks and defenses, and**

new and updated information reflecting recent developments and emerging trends in information security, such as virtualization. New hands-on and case activities help readers review and apply what they have learned, and end-of-chapter exercises direct readers to the Information Security Community Site for additional activities and a wealth of learning resources, including blogs, videos , and current news and information relevant to the information security field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

SSCP Systems Security Certified Practitioner All-in-One Exam Guide, Third Edition

McGraw Hill Professional **This fully updated study guide offers complete coverage of every topic on the latest version of the SSCP exam Take the 2018 edition of the challenging Systems Security Certified Practitioner (SSCP) exam with confidence using the detailed information contained in this highly effective self-study guide. The book provides 100% coverage of the revised SSCP Common Body of Knowledge (CBK) as developed by the International Information Systems Security Certification Consortium (ISC)2. Written by bestselling IT security certification author and trainer Darril Gibson, SSCP Systems Security Certified Practitioner All-in-One Exam Guide, Third Edition clearly explains all exam domains. You will get lists of topics covered at the beginning of each chapter, exam tips, practice exam questions, and in-depth answer explanations. Designed to help you pass the exam with ease, SSCP Systems Security Certified Practitioner All-in-One Exam Guide, Third Edition also serves as an essential on-the-job reference. •Features 100% coverage of every objective on the SSCP exam•Electronic content includes 250+ practice questions and a secured book PDF•Written by an industry-recognized expert and experienced trainer**

Social Media Security

Leveraging Social Networking While Mitigating Risk

Newnes **Social networks, particularly public ones, have become part of the fabric of how we communicate and collaborate as a society. With value from micro-level personal networking to macro-level outreach, social networking has become pervasive in people’s lives and is now becoming a significant driving force in business. These new platforms have provided new approaches to many critical enterprise functions, including identifying, communicating, and gathering feedback with customers (e.g., Facebook, Ning); locating expertise (e.g., LinkedIn); providing new communication platforms (e.g., Twitter); and collaborating with a community, small or large (e.g., wikis). However, many organizations have stayed away from potential benefits of social networks because of the significant risks associated with them. This book will help an organization understand the risks present in social networks and provide a framework covering policy, training and technology to address those concerns and mitigate the risks presented to leverage social media in their organization. The book also acknowledges that many organizations have already exposed themselves to more risk than they think from social networking and offers strategies for "dialing it back" to retake control. Defines an organization's goals for social networking Presents the risks present in social networking and how to mitigate them Explains how to maintain continuous social networking security**

Web Penetration Testing with Kali Linux

Packt Publishing Ltd **Build your defense against web attacks with Kali Linux 2.0 About This Book Gain a deep understanding of the flaws in web applications and exploit them in a practical manner Get hands-on web application hacking experience with a range of tools in Kali Linux 2.0 Develop the practical skills required to master multiple tools in the Kali Linux 2.0 toolkit Who This Book Is For If you are already working as a network penetration tester and want to expand your knowledge of web application hacking, then this book tailored for you. Those who are interested in learning more about the Kali Sana tools that are used to test web applications will find this book a thoroughly useful and interesting guide. What You Will Learn Set up your lab with Kali Linux 2.0 Identify the difference between hacking a web application and network hacking Understand the different techniques used to identify the flavor of web applications Expose vulnerabilities present in web servers and their applications using server-side attacks Use SQL and cross-site scripting (XSS) attacks Check for XSS flaws using the burp suite proxy Find out about the mitigation**

techniques used to negate the effects of the Injection and Blind SQL attacks In Detail Kali Linux 2.0 is the new generation of the industry-leading BackTrack Linux penetration testing and security auditing Linux distribution. It contains several hundred tools aimed at various information security tasks such as penetration testing, forensics, and reverse engineering. At the beginning of the book, you will be introduced to the concepts of hacking and penetration testing and will get to know about the tools used in Kali Linux 2.0 that relate to web application hacking. Then, you will gain a deep understanding of SQL and command injection flaws and ways to exploit the flaws. Moving on, you will get to know more about scripting and input validation flaws, AJAX, and the security issues related to AJAX. At the end of the book, you will use an automated technique called fuzzing to be able to identify flaws in a web application. Finally, you will understand the web application vulnerabilities and the ways in which they can be exploited using the tools in Kali Linux 2.0. Style and approach This step-by-step guide covers each topic with detailed practical examples. Every concept is explained with the help of illustrations using the tools available in Kali Linux 2.0.

Understanding Computers in a Changing Society

Cengage Learning **Understanding Computers in a Changing Society gives your students a classic introduction to computer concepts and societal issues, delivering content that is relevant to today's career-focused student. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

The Weakest Link

How to Diagnose, Detect, and Defend Users from Phishing

MIT Press **An expert in cybersecurity lays out an evidence-based approach for assessing user cyber risk and achieving organizational cyber resilience. Phishing is the single biggest threat to cybersecurity, persuading even experienced users to click on hyperlinks and attachments in emails that conceal malware. Phishing has been responsible for every**

major cyber breach, from the infamous Sony hack in 2014 to the 2017 hack of the Democratic National Committee and the more recent Colonial Pipleline breach. The cybersecurity community's response has been intensive user training (often followed by user blaming), which has proven completely ineffective: the hacks keep coming. In The Weakest Link, cybersecurity expert Arun Vishwanath offers a new, evidence-based approach for detecting and defending against phishing—an approach that doesn't rely on continual training and retraining but provides a way to diagnose user vulnerability. Vishwanath explains how organizations can build a culture of cyber safety. He presents a Cyber Risk Survey (CRS) to help managers understand which users are at risk and why. Underlying CRS is the Suspicion, Cognition, Automaticity Model (SCAM), which specifies the user thoughts and actions that lead to either deception by or detection of phishing come-ons. He describes in detail how to implement these frameworks, discussing relevant insights from cognitive and behavioral science, and then presents case studies of organizations that have successfully deployed the CRS to achieve cyber resilience. These range from a growing wealth management company with twenty regional offices to a small Pennsylvania nonprofit with forty-five employees. The Weakest Link will revolutionize the way managers approach cyber security, replacing the current one-size-fits-all methodology with a strategy that targets specific user vulnerabilities.

Perspectives on Thought Leadership for Africaís Renewal

Africa Institute of South Africa **This book outlines perspectives of emerging and established African scholars on what one could describe as the debate on leadership and the articulation of the life of the mind in Africa's socio-economic, political and cultural life from the time of independence to date. The papers contained in the book cover the following thematic areas: Alternative Leadership Paradigm for Africa's Advancement; African Perspectives on Globalisation and international relations; Pan-Africanism and the African Renaissance; Scientific, Technological and Cultural Dimensions of African Development. The first section deals with alternative leadership paradigms for Africa's advancement. It also debates the 'thin line' separating management studies from leadership studies and untangles the hermeneutic complexities in the term 'leadership'. Section two examines among other things, the crucial challenge of globalisation and public ethics and others African perspectives. The section also interrogates the current complexities and credibility deficits in the global governance of trade and towards the end engages philosophical questions about conscience and consciousness in African development and progress. The debates in section three continue to section four and focus on the overall issues of language and liberation, the significance of Multi-, Inter and Trans-Disciplinary**

Approaches in the analysis of the African continent, appropriate indigenous paradigms for promoting the African renaissance as well as a series of debates on the meaning and prospects of regional integration in Africa's renewal. This provides just a snapshot of a very wide ranging and interesting debate contained in the publication.

Mastering Kali Linux for Advanced Penetration Testing

Become a cybersecurity ethical hacking expert using Metasploit, Nmap, Wireshark, and Burp Suite

Packt Publishing Ltd **Master key approaches used by real attackers to perform advanced pentesting in tightly secured infrastructure, cloud and virtualized environments, and devices, and learn the latest phishing and hacking techniques Key FeaturesExplore red teaming and play the hackers game to proactively defend your infrastructureUse OSINT, Google dorks, Nmap, recon-nag, and other tools for passive and active reconnaissanceLearn about the latest email, Wi-Fi, and mobile-based phishing techniquesBook Description Remote working has given hackers plenty of opportunities as more confidential information is shared over the internet than ever before. In this new edition of Mastering Kali Linux for Advanced Penetration Testing, you'll learn an offensive approach to enhance your penetration testing skills by testing the sophisticated tactics employed by real hackers. You'll go through laboratory integration to cloud services so that you learn another dimension of exploitation that is typically forgotten during a penetration test. You'll explore different ways of installing and running Kali Linux in a VM and containerized environment and deploying vulnerable cloud services on AWS using containers, exploiting misconfigured S3 buckets to gain access to EC2 instances. This book delves into passive and active reconnaissance, from obtaining user information to large-scale port scanning. Building on this, different vulnerability assessments are explored, including threat modeling. See how hackers use lateral movement, privilege escalation, and command and control (C2) on compromised systems. By the end of this book, you'll have explored many advanced pentesting approaches and hacking techniques employed on networks, IoT, embedded peripheral devices, and radio frequencies. What you will learnExploit networks using wired/wireless networks, cloud infrastructure, and web servicesLearn embedded peripheral device, Bluetooth, RFID, and IoT hacking techniquesMaster the art of bypassing traditional antivirus and endpoint detection and response (EDR)**

toolsTest for data system exploits using Metasploit, PowerShell Empire, and CrackMapExecPerform cloud security vulnerability assessment and exploitation of security misconfigurationsUse bettercap and Wireshark for network sniffingImplement complex attacks with Metasploit, Burp Suite, and OWASP ZAPWho this book is for This fourth edition is for security analysts, pentesters, ethical hackers, red team operators, and security consultants wanting to learn and optimize infrastructure/application/cloud security using advanced Kali Linux features. Prior penetration testing experience and basic knowledge of ethical hacking will help you make the most of this book.

Ebook: Survey of Operating Systems

McGraw Hill **McGraw-Hill is proud to introduce the fourth edition of Jane and Charles Holcombe's, Survey of Operating Systems. This title provides an introduction to the most widely used desktop operating systems (including Windows 8, Mac OS, and Linux) and includes a more visual approach with more illustrations and a more interactive approach with hands-on activities to result in students building a successful foundation for IT success.**

Hacking with Kali-Linux

Quick start for beginners

BoD – Books on Demand **In my work, I keep coming across networks and websites with significant security problems. In this book, I try to show the reader how easy it is to exploit security holes with various tools. Therefore, in my opinion, anyone who operates a network or a website should know to some extent how various hacking tools work to understand how to protect themselves against them. Many hackers don't even despise small home networks. Even if the topic is very technical, I will try to explain the concepts in a generally comprehensible form. A degree in computer science is by no means necessary to follow this book. Nevertheless, I don't just want to explain the operation of various tools, I also want to explain how they work in such a way that it becomes clear to you how the tool works and why a certain attack works.**

CASP+ CompTIA Advanced Security Practitioner Study Guide

Exam CAS-003

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

Demystifying Communications Risk

A Guide to Revenue Risk Management in the Communications Sector

Routledge **The rapid pace and increasing convergence of internet, phone and other communications technologies has created extraordinary opportunities for business but the complexity of these new service mixes creates parallel opportunities for fraud and revenue leakage. Companies seeking to use communications technology as a delivery or payment platform for digital services are particularly at risk. They need to understand both their strategic and operational risks as well as those affecting their stakeholders - partners and customers. Effective risk management is as much about awareness, culture, training and organization as it is about technology. Mark Johnson's practical guide, Demystifying Communications Risk, highlights cases from a wide range of geographies and cultures and is designed to raise awareness of the multi-faceted and often complex forms that operational revenue risks take in the communications sector. It provides managers with an understanding of the nature and implications of the risks they face and the human, organizational and technological approaches that can help avoid or mitigate them.**

Human-Centred Software Engineering

Third International Conference, HCSE 2010, Reykjavik, Iceland, October 14-15, 2010. Proceedings

Springer Science & Business Media **The conference series HCSE (Human-Centred Software Engineering) was established four years ago in Salamanca. HCSE 2010 is the third working conference of IFIP Working Group 13.2, Methodologies for User-Centered Systems Design. The goal of HCSE is to bring together researchers and practitioners interested in**

strengthening the scientific foundations of user interface design, examining the re- tionship between software engineering and human-computer interaction and focusing on how to strengthen user-centered design as an essential part of software engineering processes. As a working conference, substantial time was devoted to the open and lively discussion of papers. The interest in the conference was positive in terms of submissions and partici- tion. We received 42 contributions that resulted in 10 long papers, 5 short papers and 3 poster papers. The selection was carried out carefully by the International Program Committee. The result is a set of interesting and stimulating papers that address such important issues as contextual design, user-aware systems, ubiquitous environments and usability evaluation. The final program of the conference included a keynote by Liam Bannon with the title “Approaches to Software Engineering: A Human-Centred Perspective.” This talk raised a lot of interesting questions for IFIP WG 13.2 and might have had some - pact for participants to become a member of the working group. We hope that participants considered HCSE 2010 as successful as its two p- desessors in terms of interesting discussions and new ideas for scientific co-operation.

The Driver in the Driverless Car

How Your Technology Choices Create the Future

Berrett-Koehler Publishers **Tech experts Vivek Wadhwa and Alex Salkever describe dozens of astonishing technological advances in this fascinating and thought-provoking book, which asks what kind of future lies ahead—Star Trek or Mad Max? Breakthroughs such as personalized genomics, drones, self-driving vehicles, and artificial intelligence could make our lives healthier, safer, and easier. On the other hand, the same technologies raise the specter of a frightening future—eugenics, a jobless economy, a complete loss of privacy, and ever-worsening economic inequality. Wadhwa says that we need to ask three questions about every emerging technology: Does it have the potential to benefit everyone equally? What are the risks and the rewards? And does it promote autonomy or dependence? This edition is updated throughout and includes a new chapter on quantum computing, which promises vastly increased processing times—and vastly increased security risks. In the end, our future is up to us; our hands may not be on the wheel, but we will decide the driverless car's destination.**

Seven Deadliest Social Network Attacks

Syngress **Seven Deadliest Social Network Attacks describes the seven deadliest social networking attacks and how to defend against them. This book pinpoints the most dangerous hacks and exploits specific to social networks like Facebook, Twitter, and MySpace, and provides a comprehensive view into how such attacks have impacted the livelihood and lives of adults and children. It lays 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 book is separated into seven chapters, with each focusing on a specific type of attack that has been furthered with social networking tools and devices. These are: social networking infrastructure attacks; malware attacks; phishing attacks; Evil Twin Attacks; identity theft; cyberbullying; and physical threat. Each chapter takes readers through a detailed overview of a particular attack to demonstrate how it was used, what was accomplished as a result, and the ensuing consequences. In addition to analyzing the anatomy of the attacks, the book offers insights into how to develop mitigation strategies, including forecasts of where these types of attacks are heading. This book can serve as a reference guide to anyone who is or will be involved in oversight roles within the information security field. It will also benefit those involved or interested in providing defense mechanisms surrounding social media as well as information security professionals at all levels, those in the teaching profession, 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**

Enhanced Discovering Computers

Cengage Learning **Based on extensive customer feedback, DISCOVERING COMPUTERS ©2014 has been completely reexamined and revised to reflect the evolving needs of the concepts portion of the Introductory Computing course. This exciting new edition maintains many longstanding hallmarks, but is now highly focused on relevancy to provide students only with what they really need to know to be successful digital citizens in college and beyond. To better reflect the importance of certain topics in today's digital world, coverage of enterprise computing, ethics, Internet**

research skills, mobile computing, operating systems (other than Windows), browsers, security, and Web 2.0 has been expanded and integrated. New critical thinking and problem solving exercises are included in every feature throughout the text, engaging students in regular practice of higher-order thinking skills. In addition, students have more opportunity for hands-on practice with the completely revised end-of-chapter activities. With these enhancements and more, the new DISCOVERING COMPUTERS is an even more engaging teaching and learning tool for your classroom. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Power Engineering and Information Technologies in Technical Objects Control

2016 Annual Proceedings

CRC Press **Improved knowledge in the field of technical objects operation and control helps manufacturers to decrease energy consumption and keep construction costs low. Moreover, it helps dealing effectively with environmental problems and switching to renewable forms of energy on the path of sustainable development of the society. The methods and technologies presented in this book will allow to improve the effectiveness of technical objects control and helps achieving safe, economical, high-quality usage of power engineering and information technologies. The book presents recent advances in power engineering, electric drives, transport systems, power electronics, cybersecurity and others. Vital issues of innovative small vehicles with using hydrogen fuel as well as boring rigs and underwater hydraulic transport pipelines are considered. The book offers a fresh look at energy-saving and energy efficiency in industry, new ideas in information technologies, paying much attention to interdisciplinary specification of the results obtained.**

Chained Exploits

Advanced Hacking Attacks from Start to Finish

Pearson Education **The complete guide to today’s hard-to-defend chained attacks: performing them and preventing them Nowadays, it’s rare for malicious hackers to rely on just one exploit or tool; instead, they use “chained” exploits that integrate multiple forms of attack to achieve their goals. Chained exploits are far more complex and far more difficult to defend. Few security or hacking books cover them well and most don’t cover them at all. Now there’s a book that brings together start-to-finish information about today’s most widespread chained exploits—both how to perform them and how to prevent them. Chained Exploits demonstrates this advanced hacking attack technique through detailed examples that reflect real-world attack strategies, use today’s most common attack tools, and focus on actual high-value targets, including credit card and healthcare data. Relentlessly thorough and realistic, this book covers the full spectrum of attack avenues, from wireless networks to physical access and social engineering. Writing for security, network, and other IT professionals, the authors take you through each attack, one step at a time, and then introduce today’s most effective countermeasures– both technical and human. Coverage includes: Constructing convincing new phishing attacks Discovering which sites other Web users are visiting Wreaking havoc on IT security via wireless networks Disrupting competitors’ Web sites Performing—and preventing—corporate espionage Destroying secure files Gaining access to private healthcare records Attacking the viewers of social networking pages Creating entirely new exploits and more Andrew Whitaker, Director of Enterprise InfoSec and Networking for Training Camp, has been featured in The Wall Street Journal and BusinessWeek. He coauthored Penetration Testing and Network Defense. Andrew was a winner of EC Council’s Instructor of Excellence Award. Keatron Evans is President and Chief Security Consultant of Blink Digital Security, LLC, a trainer for Training Camp, and winner of EC Council’s Instructor of Excellence Award. Jack B. Voth specializes in penetration testing, vulnerability assessment, and perimeter security. He co-owns The Client Server, Inc., and teaches for Training Camp throughout the United States and abroad. informit.com/aw Cover photograph © Corbis / Jupiter Images**

Protecting Personal Consumer Information from Cyber Attacks and Data Breaches

Hearing Before the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Thirteenth Congress, Second Session, March 26, 2014

Cybersecurity for Hospitals and Healthcare Facilities

A Guide to Detection and Prevention

Apress **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

Online Reputation Management For Dummies

John Wiley & Sons **More important than ever--how to manage your online reputation In today's social world, managing your online reputation is more critical than ever, whether it's your company brand or yourself as a brand, and one thing is certain: everyone needs a plan. This essential book shows you how to set up a system that works every day, helps forward your brand's online goals, and is able to deal with negative chatter. Covering everyday listening and messaging as well as reputation management for special events or crises, this book walks you through step-by-step instructions and tips that will help you build and maintain a positive online presence. Shows you how to create a solid, productive online reputation management system Helps you achieve your brand's goals and be ready to deal with negative chatter or crises Explains how to set up an online reputation management and response team Covers how to identify and incorporate both everyday and crisis SEO keywords Explores reputation creation through listening, messages, images, video, and other media Helps you handle crises with social media, bloggers, and other influencers, and respond immediately Online Reputation Management For Dummies gives you the tools you need to maintain the online reputation you want.**

Handbook of Research on Information and Cyber Security in the Fourth Industrial Revolution

IGI Global **The prominence and growing dependency on information communication technologies in nearly every aspect of life has opened the door to threats in cyberspace. Criminal elements inside and outside organizations gain access to information that can cause financial and reputational damage. Criminals also target individuals daily with personal devices like smartphones and home security systems who are often unaware of the dangers and the privacy threats around them. The Handbook of Research on Information and Cyber Security in the Fourth Industrial Revolution is a critical scholarly resource that creates awareness of the severity of cyber information threats on personal, business, governmental, and societal levels. The book explores topics such as social engineering in information security, threats to cloud computing, and cybersecurity resilience during the time of the Fourth Industrial Revolution. As a source that builds on available literature and expertise in the field of information technology and security, this publication proves useful for academicians, educationalists, policy makers, government officials, students, researchers, and business leaders and managers.**

Security and Privacy in Communication Networks

SecureComm 2017 International Workshops, ATCS and SePrIoT, Niagara Falls, ON, Canada, October 22–25, 2017, Proceedings

Springer **This book constitutes the refereed proceedings of two workshops held at the 13th International Conference on Security and Privacy in Communications Networks, SecureComm 2017, held in Niagara Falls, ON, Canada, in October**

2017: the 5th International Workshop on Applications and Techniques in Cyber Security, ATCS 2017, and the First Workshop on Security and Privacy in the Internet Of Things, SePrIoT 2017.The 22 revised regular papers were carefully reviewed and selected from 105 submissions. The topics range from access control; language-based security; malicious software; network security; cloud security; software security; operating system security; privacy protection, database security, security models; and many more.The SePrIoT workshop targets to address novel approaches in security and privacy. The papers focuse, amongst others, on novel models, techniques, protocols, algorithms, or architectures.

Defense against the Black Arts

How Hackers Do What They Do and How to Protect against It

CRC Press **Exposing hacker methodology with concrete examples, this volume shows readers how to outwit computer predators. With screenshots and step by step instructions, the book discusses how to get into a Windows operating system without a username or password and how to hide an IP address to avoid detection. It explains how to find virtually anything on the Internet and explores techniques that hackers can use to exploit physical access, network access, and wireless vectors. The book profiles a variety of attack tools and examines how Facebook and other sites can be used to conduct social networking attacks.**

Managing Online Reputation

How to Protect Your Company on Social Media

Springer **Managing Online Reputation is a comprehensive look at online reputation management. Drawing on recent examples of organizations managing their online reputations effectively and ineffectively, it provides a practical and visual tool-kit of processes and techniques to help limit and respond effectively to negative situations on social media.**

Nursing Informatics and the Foundation of Knowledge

Jones & Bartlett Publishers **Nursing Informatics and the Foundation of Knowledge, Third Edition is an outstanding student resource and guide to the history of healthcare informatics, current issues, basic informatics concepts, and health information management applications. This comprehensive text includes the building blocks of informatics through complicated topics such as data mining, bioinformatics, and system development. The content is enhanced through its grounding in the Foundation of Knowledge Model. The Third Edition has been expanded to include informatics coverage for all levels of nursing practice from a Bachelor's Degree through a DNP degree. As a result, a new chapter on Data Mining as a Research Tool and The Art of Caring in Technology Laden Environments were added to the text. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.**

Kali Linux Penetration Testing Bible

John Wiley & Sons **Your ultimate guide to pentesting with Kali Linux Kali is a popular and powerful Linux distribution used by cybersecurity professionals around the world. Penetration testers must master Kali's varied library of tools to be effective at their work. The Kali Linux Penetration Testing Bible is the hands-on and methodology guide for pentesting with Kali. You'll discover everything you need to know about the tools and techniques hackers use to gain access to systems like yours so you can erect reliable defenses for your virtual assets. Whether you're new to the field or an established pentester, you'll find what you need in this comprehensive guide. Build a modern dockerized environment Discover the fundamentals of the bash language in Linux Use a variety of effective techniques to find vulnerabilities (OSINT, Network Scan, and more) Analyze your findings and identify false positives and uncover advanced subjects, like buffer overflow, lateral movement, and privilege escalation Apply practical and efficient pentesting workflows Learn about Modern Web Application Security Secure SDLC Automate your penetration testing with Python**

Entrepreneurial Development and Innovation in Family Businesses and SMEs

IGI Global **Entrepreneurship is very important for both entrepreneurs and economic development. It helps boost innovation and competitiveness in every country and facilitates the creation of new jobs and new opportunities, especially for family businesses and small and medium enterprises (SMEs). Both entrepreneurship and innovation constitute a subject that is both topical and timeless, since institutions and the various institutional processes have always affected a country’s sustainability. Entrepreneurial Development and Innovation in Family Businesses and SMEs is an essential scholarly publication that contributes to the understanding, improving and strengthening of entrepreneurial development, and innovation’s role in family businesses and SMEs by providing both theoretical and applied knowledge in order to find how and why entrepreneurship and innovation can produce inefficient and dysfunctional outcomes. Featuring a wide range of topics such as women entrepreneurship, internationalization, and organizational learning, this book is ideal for researchers, policymakers, entrepreneurs, executives, managers, academicians, and students.**

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Antonio Giangrande **Antonio Giangrande, orgoglioso di essere diverso. Si nasce senza volerlo. Si muore senza volerlo. Si vive una vita di prese per il culo. Noi siamo quello che altri hanno voluto che diventassimo. Facciamo in modo che diventiamo quello che noi avremmo (rafforzativo di saremmo) voluto diventare. Rappresentare con verità storica, anche scomoda ai potenti di turno, la realtà contemporanea, rapportandola al passato e proiettandola al futuro. Per non reiterare vecchi errori. Perché la massa dimentica o non conosce. Denuncio i difetti e caldeggio i pregi italici. Perché non abbiamo orgoglio e dignità per migliorarci e perché non sappiamo apprezzare, tutelare e promuovere quello che abbiamo ereditato dai nostri avi. Insomma, siamo bravi a farci del male e qualcuno deve pur essere diverso!**