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Securing Water and Wastewater Systems - Robert M. Clark 2013-10-04
Urban water and wastewater systems have an inherent vulnerability to both manmade and natural threats and disasters including droughts, earthquakes and terrorist attacks. It is well established that natural disasters including major storms, such as hurricanes and flooding, can effect water supply security and integrity. Earthquakes and terrorist attacks have many characteristics in common because they are almost impossible to predict and can cause major devastation and confusion. Terrorism is also a major threat to water security and recent attention has turned to the potential that these attacks have for disrupting urban water supplies. There is a need to introduce the related concept of Integrated Water Resources Management which emphasizes linkages between land-use change and hydrological systems, between ecosystems and human health, and between political and scientific aspects of water management. An expanded water security agenda should include a conceptual focus on vulnerability, risk, and resilience; an emphasis on threats, shocks, and tipping points; and a related emphasis on adaptive management given limited predictability. Internationally, concerns about water have often taken a different focus and there is also a growing awareness, including in the US, that water security should include issues related to quantity, climate change, and biodiversity impacts, in addition to terrorism. This presents contributions from a group of internationally recognized experts that attempt to address the four areas listed above and includes suggestions as to how to deal with related problems. It also addresses the new and potentially growing issue of cyber attacks against water and waste water infrastructure including descriptions of actual attacks, making it of interest to scholars and policy-makers concerned with protecting the water supply.
A Study in Scarle -

Room 555 - Cristy Wilson 2019-01-29
Fourteen-year-old Roonie loves hip-hop almost as much as she loves her grandmother. She cannot wait to compete in her school's dance competition. But as her grandmother's health deteriorates, Roonie becomes more and more reluctant to visit her in the care home. These feelings of guilt and frustration cause Roonie to mess things up with her hip-hop dance partner and best friend, Kira. But while doing some volunteer hours in the hospital geriatric ward, Roonie meets an active senior recovering from a bad fall. Their shared love of dance and the woman's zest for life help Roonie face her fears, make amends with Kira and reconnect with Gram before it’s too late.
Malware - Ed Skoudis 2004
Describes various types of malware, including viruses, worms, user-level RootKits, and kernel-level manipulation, their haracteristics and attack method, and how to defend against an attack.
Collaborative Cyber Threat Intelligence -

Florian Skopik 2017-10-16
Threat intelligence is a surprisingly complex topic that goes far beyond the obvious technical challenges of collecting, modelling and sharing technical indicators. Most books in this area focus mainly on technical measures to harden a system based on threat intel data and limit their scope to single organizations only. This book provides a unique angle on the topic of national cyber threat intelligence and security information sharing. It also provides a clear view on ongoing works in research laboratories world-wide in order to address current security concerns at national level. It allows practitioners to learn about upcoming trends, researchers to share current results, and decision makers to prepare for future developments.

Odes - Sharon Olds 2016-09-20
Following the Pulitzer prize-winning collection Stag's Leap, Sharon Olds gives us a stunning book of odes. Opening with the powerful and tender "Ode to the Hymen," Olds addresses and embodies, in this age-old poetic form, many aspects of love and gender and sexual politics in a collection that is centered on the body and its structures and pleasures. The poems extend parts of her narrative as a daughter, mother, wife, lover, friend, and poet of conscience that will be familiar from earlier collections, each episode and memory burnished by the wisdom and grace and humor of looking back. In such poems as "Ode to My Sister," "Ode of Broken Loyalty," "Ode to My Whiteness," "Blow Job Ode," and "Ode to the Last Thirty-Eight Trees in New York City Visible from This Window," Olds treats us to an intimate examination that, like all her work, is universal, by turns searing and charming in its honesty. From the bodily joys and sorrows of childhood to the deaths of those dearest to us, Olds shapes the world in language that is startlingly fresh, profound in its conclusions, and life-giving for the reader.

Dahl's Law Dictionary - Henry S. Dahl 2001

Offensive Countermeasures - John Strand 2013-07-08
Tired of playing catchup with hackers? Does it ever seem they have all of the cool tools? Does it seem like defending a network is just not fun? This books introduces new cyber-security defensive tactics to annoy attackers, gain attribution and insight on who and where they are. It discusses how to attack attackers in a way which is legal and incredibly useful.

IT Ethics Handbook: - Stephen Northcutt 2004-06-11
The target audience for this book is any IT professional responsible for designing, configuring, deploying or managing information systems. This audience understands that the purpose of ethics in information security is not just morally important; it equals the survival of their business. A perfect example of this is Enron. Enron's ultimate failure due to a glitch in the ethics systems of the business created the most infamous example of an ethics corporate breakdown resulting in disaster. Ethics is no longer a matter of morals anymore when it comes to information security; it is also a matter of success or failure for big business. * This groundbreaking book takes on the difficult ethical issues that IT professional confront every day. * The book provides clear guidelines that can be readily translated into policies and procedures. * This is not a text book. Rather, it provides specific guidelines to System Administrators, Security Consultants and Programmers on how to apply ethical standards to day-to-day operations.

Vampire Solstice - Starfields 2006-04
For the Vampire community, the Solstice Choosing has been the holiest night of the year - for a hundred thousand years. But this year, something new is about to happen. The oldest prophecies are about to be fulfilled - and the Festival of Blessings is finally upon us.

Official (ISC)2® Guide to the CISSP®-ISSEP® CBK® - Susan Hansche 2005-09-29
The Official (ISC)2® Guide to the CISSP®-ISSEP® CBK® provides an inclusive analysis of all of the topics covered on the newly created CISSP-ISSEP Common Body of Knowledge. The first fully comprehensive guide to the CISSP-ISSEP CBK, this book promotes understanding of the four ISSEP domains: Information Systems Security Engineering (ISSE); Certification and Accreditation; Technical Management; and an Introduction to United States Government Information Assurance Regulations. This volume explains ISSE by comparing it to a traditional Systems Engineering model, enabling you to see the correlation of how security fits into the

design and development process for information systems. It also details key points of more than 50 U.S. government policies and procedures that need to be understood in order to understand the CBK and protect U.S. government information. About the Author Susan Hansche, CISSP-ISSEP is the training director for information assurance at Nortel PEC Solutions in Fairfax, Virginia. She has more than 15 years of experience in the field and since 1998 has served as the contractor program manager of the information assurance training program for the U.S. Department of State.

Network Intrusion Detection - Stephen Northcutt 2002

This book is a training aid and reference for intrusion detection analysts. While the authors refer to research and theory, they focus their attention on providing practical information. New to this edition is coverage of packet dissection, IP datagram fields, forensics, and snort filters.

Learning by Practicing - Mastering TShark Network Forensics - Nik Alleyne 2020-06

The book you have been waiting for to make you a Master of TShark Network Forensics, is finally here!!! Be it you are a Network Engineer, a Network Forensics Analyst, someone new to packet analysis or someone who occasionally looks at packet, this book is guaranteed to improve your TShark skills, while moving you from Zero to Hero. Mastering TShark Network Forensics, can be considered the definitive repository of practical TShark knowledge. It is your one-stop shop for all you need to master TShark, with adequate references to allow you to go deeper on peripheral topics if you so choose. Book Objectives: Introduce packet capturing architecture Teach the basics of TShark Teach some not so basic TShark tricks Solve real world challenges with TShark Identify services hiding behind other protocols Perform "hands-free" packet capture with TShark Analyze and decrypt TLS encrypted traffic Analyze and decrypt WPA2 Personal Traffic Going way beyond - Leveraging TShark and Python for IP threat intelligence Introduce Lua scripts Introduce packet editing Introduce packet merging Introduce packet rewriting Introduce remote packet capturing Who is this book for?While this book is written specifically for Network Forensics Analysts, it is equally beneficial to anyone who supports the network infrastructure. This means, Network Administrators, Security Specialists, Network Engineers, etc., will all benefit from this book. Considering the preceding, I believe the following represents the right audience for this book: Individuals starting off their Cybersecurity careers Individuals working in a Cyber/Security Operations Center (C/SOC) General practitioners of Cybersecurity Experienced Cybersecurity Ninjas who may be looking for a trick or two Anyone who just wishes to learn more about TShark and its uses in network forensics Anyone involved in network forensics More importantly, anyhow who is looking for a good read Not sure if this book is for you? Take a glimpse at the sample chapter before committing to it. Mastering TShark sample chapters can be found at: https: //bit.ly/TShark All PCAPS used within this book can be found at: https: //github.com/SecurityNik/SUWtHEh- As an addition to this book, the tool, pktIntel: Tool used to perform threat intelligence against packet data can be found at: https: //github.com/SecurityNik/pktIntel

Advanced Penetration Testing - Wil Allsopp 2017-02-27

Build a better defense against motivated, organized, professional attacks Advanced Penetration Testing: Hacking the World's Most Secure Networks takes hacking far beyond Kali linux and Metasploit to provide a more complex attack simulation. Featuring techniques not taught in any certification prep or covered by common defensive scanners, this book integrates social engineering, programming, and vulnerability exploits into a multidisciplinary approach for targeting and compromising high security environments. From discovering and creating attack vectors, and moving unseen through a target enterprise, to establishing command and exfiltrating data—even from organizations without a direct Internet connection—this guide contains the crucial techniques that provide a more accurate picture of your system's defense. Custom coding examples use VBA, Windows Scripting Host, C, Java, JavaScript, Flash, and more, with coverage of standard library applications and the use of scanning tools to bypass common defensive

measures. Typical penetration testing consists of low-level hackers attacking a system with a list of known vulnerabilities, and defenders preventing those hacks using an equally well-known list of defensive scans. The professional hackers and nation states on the forefront of today's threats operate at a much more complex level—and this book shows you how to defend your high security network. Use targeted social engineering pretexts to create the initial compromise Leave a command and control structure in place for long-term access Escalate privilege and breach networks, operating systems, and trust structures Infiltrate further using harvested credentials while expanding control Today's threats are organized, professionally-run, and very much for-profit. Financial institutions, health care organizations, law enforcement, government agencies, and other high-value targets need to harden their IT infrastructure and human capital against targeted advanced attacks from motivated professionals. Advanced Penetration Testing goes beyond Kali linux and Metasploit and to provide you advanced pen testing for high security networks.

1001 Walks - Barry Stone 2018-10-04

1001 Walks You Must Experience Before You Die is the perfect guide to the world's most exhilarating walks. The ever-increasing passion for recreational walking is given fresh impetus with the creation of each new national park and wilderness area, the construction of every new walkway and the clearing of another fresh trail. The growth in popularity of pathways and woodland walks, and the conversion of canal banks and disused railways around the world to mixed-use walkand cycle-ways, means we now have unprecedented access to our cities and to ever-increasing tracts of our rural heritage. The wide-ranging, carefully chosen featured routes vary from the rugged delights of Wales's Pembrokeshire Coastal Path to the lush wilderness of Jamaica and the Harz Witches' Trail high in the German mountains. The hand-picked excursions cover overland paths, urban trails, mountain passes, coastal and shoreline strolls, and walks that explore the heritage of the world's most culturally rich destinations. There are gentle walks for beginners - some lasting barely an hour - and more demanding challenges for seasoned enthusiasts that will take months to achieve. Every page provides a wealth of information about a must-try walk, including start and end points, overall distance, difficulty rating, terrain and an estimation of the time it should take to complete, along with links to specially commissioned digital route maps. In short, 1001 Walks You Must Experience Before You Die is an essential reference guide for all those who love to get out of their cars, get off their bikes and lace up their walking shoes.

Mean Girls Magnets - Running Press 2019-04-02

That's so fetch! The Mean Girls Magnets mini kit features 10 magnets emblazoned with some of the most memorable one-liners from the comedic masterpiece. Also included is a 32-page mini "Burn Book" with quotes and images from the 2004 film. Magnets feature the following grool phrases: On Wednesdays we wear pink You go Glen Coco She doesn't even go here So you agree? You think you're really pretty? Is butter a carb? SO fetch Get in loser, we're going shopping I'm a mouse, duh I'm not like a regular mom. I'm a cool mom. Boo, you whore

Gray Hat Python - Justin Seitz 2009-04-15

Python is fast becoming the programming language of choice for hackers, reverse engineers, and software testers because it's easy to write quickly, and it has the low-level support and libraries that make hackers happy. But until now, there has been no real manual on how to use Python for a variety of hacking tasks. You had to dig through forum posts and man pages, endlessly tweaking your own code to get everything working. Not anymore. Gray Hat Python explains the concepts behind hacking tools and techniques like debuggers, trojans, fuzzers, and emulators. But author Justin Seitz goes beyond theory, showing you how to harness existing Python-based security tools—and how to build your own when the pre-built ones won't cut it. You'll learn how to: –Automate tedious reversing and security tasks –Design and program your own debugger –Learn how to fuzz Windows drivers and create powerful fuzzers from scratch –Have fun with code and library injection, soft and hard hooking techniques, and other software trickery –Sniff secure traffic out of an encrypted web browser session –Use PyDBG, Immunity Debugger, Sulley, IDAPython, PyEMU, and more The world's best hackers are

using Python to do their handiwork. Shouldn't you?

Network Security Bible - Eric Cole 2011-03-31
The comprehensive A-to-Z guide on network security, fully revised and updated Network security is constantly evolving, and this comprehensive guide has been thoroughly updated to cover the newest developments. If you are responsible for network security, this is the reference you need at your side. Covering new techniques, technology, and methods for approaching security, it also examines new trends and best practices being used by many organizations. The revised Network Security Bible complements the Cisco Academy course instruction in networking security. Covers all core areas of network security and how they interrelate Fully revised to address new techniques, technology, and methods for securing an enterprise worldwide Examines new trends and best practices in use by organizations to secure their enterprises Features additional chapters on areas related to data protection/correlation and forensics Includes cutting-edge topics such as integrated cybersecurity and sections on Security Landscape, with chapters on validating security, data protection, forensics, and attacks and threats If you need to get up to date or stay current on network security, Network Security Bible, 2nd Edition covers everything you need to know.

Rick Steves Berlin - Rick Steves 2018-12-18
Marvel at the Brandenburg Gate, climb the Reichstag's dome, and check out Checkpoint Charlie with Rick Steves Berlin! Inside you'll find: Comprehensive coverage for spending a week or more exploring Berlin Rick's strategic advice on how to get the most out of your time and money, with rankings of his must-see favorites Top sights and hidden gems, from the colorful East Side Gallery, to the Memorial of the Berlin Wall, to cozy corner biergartens How toconnect with local culture: Raise a pint with the locals and sample schnitzel, stroll through hip Prenzlauer Berg, or cruise down the Spree River Beat the crowds, skip the lines, and avoid tourist traps with Rick's candid, humorous insight The best places to eat, sleep, and relax Self-guided walking tours of lively neighborhoods and incredible museums Detailed neighborhood maps for exploring on the go Useful resources including a packing list, a German phrase book, a historical overview, and recommended reading Over 400 bible-thin pages include everything worth seeing without weighing you down Complete, up-to-date information on every neighborhood in Berlin, as well as day trips to Potsdam, Sachsenhausen Memorial and Museum, and Wittenberg Make the most of every day and every dollar with Rick Steves Berlin. Expanding your trip? Try Rick Steves Best of Germany.

Hacker Techniques, Tools, and Incident Handling - Sean-Philip Oriyano 2018-09-04
Hacker Techniques, Tools, and Incident Handling, Third Edition begins with an examination of the landscape, key terms, and concepts that a security professional needs to know about hackers and computer criminals who break into networks, steal information, and corrupt data. It goes on to review the technical overview of hacking: how attacks target networks and the methodology they follow. The final section studies those methods that are most effective when dealing with hacking attacks, especially in an age of increased reliance on the Web. Written by subject matter experts, with numerous real-world examples, Hacker Techniques, Tools, and Incident Handling, Third Edition provides readers with a clear, comprehensive introduction to the many threats on our Internet environment and security and what can be done to combat them.

Inside Network Perimeter Security - Stephen Northcutt 2005
Examines how various security methods are used and how they work, covering options including packet filtering, proxy firewalls, network intrusion detection, virtual private networks, and encryption.

Socially Enhanced Services Computing - Schahram Dustdar 2011-06-12
Socially enhanced Services Computing deals with a novel and exciting new field at the intersection between Social Computing, Service-oriented Computing, Crowd Computing, and Cloud Computing. The present work presents a collection of selected papers by the editors of this volume, which they feel will help the reader in understanding this field. The approach discussed allows for a seamless integration of

people into trusted dynamic compositions of Human-provided Services and Software-based services, thus empowering new interaction models and processes in massive collaboration scenarios in a Future Internet.

Black Hat Python - Justin Seitz 2014-12-21

When it comes to creating powerful and effective hacking tools, Python is the language of choice for most security analysts. But just how does the magic happen? In Black Hat Python, the latest from Justin Seitz (author of the best-selling Gray Hat Python), you'll explore the darker side of Python's capabilities—writing network sniffers, manipulating packets, infecting virtual machines, creating stealthy trojans, and more. You'll learn how to: –Create a trojan command-and-control using GitHub –Detect sandboxing and automate common malware tasks, like keylogging and screenshotting –Escalate Windows privileges with creative process control –Use offensive memory forensics tricks to retrieve password hashes and inject shellcode into a virtual machine –Extend the popular Burp Suite web-hacking tool –Abuse Windows COM automation to perform a man-in-the-browser attack –Exfiltrate data from a network most sneakily Insider techniques and creative challenges throughout show you how to extend the hacks and how to write your own exploits. When it comes to offensive security, your ability to create powerful tools on the fly is indispensable. Learn how in Black Hat Python. Uses Python 2

Counter Hack Reloaded - Ed Skoudis 2006

This guide empowers network and system administrators to defend their information and computing assets--whether or not they have security experience. Skoudis presents comprehensive, insider's explanations of today's most destructive hacker tools and tactics, and specific, proven countermeasures for both UNIX and Windows environments.

Industrial Maintenance and Mechatronics - Shawn A. Ballee 2018-09-18

"Industrial Maintenance and Mechatronics provides support for an Industrial Technology Maintenance (ITM) program. It covers the principal industrial technology disciplines, with a focus on electrical systems and electronic controls. It provides students with the necessary knowledge for entry-level positions in industrial maintenance and prepares them for NIMS Level 1 credentialing"--

Virtualization Security - EC-Council 2010-06-23

The DISASTER RECOVERY/VIRTUALIZATION SECURITY SERIES is comprised of two books that are designed to fortify disaster recovery preparation and virtualization technology knowledge of information security students, system administrators, systems engineers, enterprise system architects, and any IT professional who is concerned about the integrity of their network infrastructure. Topics include disaster recovery planning, risk control policies and countermeasures, disaster recovery tools and services, and virtualization principles. The series when used in its entirety helps prepare readers to take and succeed on the E|CDR and E|CVT, Disaster Recovery and Virtualization Technology certification exam from EC-Council. The EC-Council Certified Disaster Recovery and Virtualization Technology professional will have a better understanding of how to set up disaster recovery plans using traditional and virtual technologies to ensure business continuity in the event of a disaster. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

GRE Math Workbook - Kaplan Test Prep 2015-12-01

Kaplan's GRE Math Workbook provides hundreds of realistic practice questions and exercises to help you prepare for the Math portion of the GRE. With expert strategies, content review, and realistic practice sets, GRE Math Workbook will help you face the test with confidence. The Best Review Six full-length Quantitative Reasoning practice sets Diagnostic tool for even more targeted Quantitative practice Review of crucial math skills and concepts, including arithmetic, algebra, data interpretation, geometry, and probability Key strategies for all Quantitative Reasoning question types on the revised GRE An advanced content review section to help you score higher Expert Guidance We know the test: The Kaplan team has spent years studying every GRE-related document available. Kaplan's expert psychometricians ensure our practice questions and study materials are true to the test. We invented test prep—Kaplan (www.kaptest.com)

has been helping students for almost 80 years. Our proven strategies have helped legions of students achieve their dreams.

Hacking Exposed Wireless - Johnny Cache 2007-04-10

Secure Your Wireless Networks the Hacking Exposed Way Defend against the latest pervasive and devastating wireless attacks using the tactical security information contained in this comprehensive volume. Hacking Exposed Wireless reveals how hackers zero in on susceptible networks and peripherals, gain access, and execute debilitating attacks. Find out how to plug security holes in Wi-Fi/802.11 and Bluetooth systems and devices. You'll also learn how to launch wireless exploits from Metasploit, employ bulletproof authentication and encryption, and sidestep insecure wireless hotspots. The book includes vital details on new, previously unpublished attacks alongside real-world countermeasures. Understand the concepts behind RF electronics, Wi-Fi/802.11, and Bluetooth Find out how hackers use NetStumbler, WiSPY, Kismet, KisMAC, and AiroPeek to target vulnerable wireless networks Defend against WEP key brute-force, aircrack, and traffic injection hacks Crack WEP at new speeds using Field Programmable Gate Arrays or your spare PS3 CPU cycles Prevent rogue AP and certificate authentication attacks Perform packet injection from Linux Launch DoS attacks using device driver-independent tools Exploit wireless device drivers using the Metasploit 3.0 Framework Identify and avoid malicious hotspots Deploy WPA/802.11i authentication and encryption using PEAP, FreeRADIUS, and WPA pre-shared keys

Geekonomics - David Rice 2007-11-29

The Real Cost of Insecure Software • In 1996, software defects in a Boeing 757 caused a crash that killed 70 people… • In 2003, a software vulnerability helped cause the largest U.S. power outage in decades… • In 2004, known software weaknesses let a hacker invade T-Mobile, capturing everything from passwords to Paris Hilton’s photos… • In 2005, 23,900 Toyota Priuses were recalled for software errors that could cause the cars to shut down at highway speeds… • In 2006 dubbed “The Year of Cybercrime,” 7,000 software vulnerabilities were discovered that hackers could use to access private information… • In 2007, operatives in two nations brazenly exploited software vulnerabilities to cripple the infrastructure and steal trade secrets from other sovereign nations… Software has become crucial to the very survival of civilization. But badly written, insecure software is hurting people–and costing businesses and individuals billions of dollars every year. This must change. In Geekonomics, David Rice shows how we can change it. Rice reveals why the software industry is rewarded for carelessness, and how we can revamp the industry’s incentives to get the reliability and security we desperately need and deserve. You’ll discover why the software industry still has shockingly little accountability–and what we must do to fix that. Brilliantly written, utterly compelling, and thoroughly realistic, Geekonomics is a long-overdue call to arms. Whether you’re software user, decision maker, employee, or business owner this book will change your life…or even save it.

Wake Up, Woods - Michael A. Homoya 2019-10

Early in the year, our North American forests come to life as native wildflowers start to push up through patches of snow. With longer days and sunlight streaming down through bare branches of towering trees, life on the forest floor awakens from its winter sleep. Plants such as green dragon, squirrel corn, and bloodroot interact with their pollinators and seed dispersers and rush to create new life before the trees above leaf out and block the sun's rays. Wake Up, Woods showcases the splendor of our warming forests and offers clues to nature's annual springtime floral show as we walk in our parks and wilderness areas, or even in shade gardens around our homes. Readers of Wake Up, Woods will see that Gillian Harris, Michael Homoya and Shane Gibson, through illustrations and text, present a captivating look into our forests' biodiversity, showing how species depend on plants for food and help assure plant reproduction. This book celebrates some of nature's most fascinating moments that happen in forests where we live and play.

Hackers Beware - Eric Cole 2002

Explains how and why hackers break into computers, steal information, and deny services to machines' legitimate users, and discusses

strategies and tools used by hackers and how to defend against them.

Wi-Fi Enabled Healthcare - Ali Youssef 2014-02-19

Focusing on the recent proliferation of Wi-Fi in hospital systems, this book explains how Wi-Fi is transforming clinical work flows and infusing new life into the types of mobile devices being implemented in hospitals. Drawing on years of consulting with hospitals in the US and abroad, and with first-hand experiences from one of the largest healthcare systems in the United States, it covers the key areas associated with wireless network design, security, and support. Reporting on cutting-edge developments and emerging standards in Wi-Fi technologies, the book explores security implications for each device type. It covers real-time location services and emerging trends in cloud-based wireless architecture.

Hands on Hacking - Matthew Hickey 2020-09-16

A fast, hands-on introduction to offensive hacking techniques Hands-On Hacking teaches readers to see through the eyes of their adversary and apply hacking techniques to better understand real-world risks to computer networks and data. Readers will benefit from the author's years of experience in the field hacking into computer networks and ultimately training others in the art of cyber-attacks. This book holds no punches and explains the tools, tactics and procedures used by ethical hackers and criminal crackers alike. We will take you on a journey through a hacker’s perspective when focused on the computer infrastructure of a target company, exploring how to access the servers and data. Once the information gathering stage is complete, you’ll look for flaws and their known exploits—including tools developed by real-world government financed state-actors. An introduction to the same hacking techniques that malicious hackers will use against an organization Written by infosec experts with proven history of publishing vulnerabilities and highlighting security flaws Based on the tried and tested material used to train hackers all over the world in the art of breaching networks Covers the fundamental basics of how computer networks are inherently vulnerable to attack, teaching the student how to apply hacking skills to uncover vulnerabilities We cover topics of breaching a company from the external network perimeter, hacking internal enterprise systems and web application vulnerabilities. Delving into the basics of exploitation with real-world practical examples, you won't find any hypothetical academic only attacks here. From start to finish this book will take the student through the steps necessary to breach an organization to improve its security. Written by world-renowned cybersecurity experts and educators, Hands-On Hacking teaches entry-level professionals seeking to learn ethical hacking techniques. If you are looking to understand penetration testing and ethical hacking, this book takes you from basic methods to advanced techniques in a structured learning format.

Incident Response & Computer Forensics, Third Edition - Jason T. Luttgens 2014-08-01

The definitive guide to incident response--updated for the first time in a decade! Thoroughly revised to cover the latest and most effective tools and techniques, Incident Response & Computer Forensics, Third Edition arms you with the information you need to get your organization out of trouble when data breaches occur. This practical resource covers the entire lifecycle of incident response, including preparation, data collection, data analysis, and remediation. Real-world case studies reveal the methods behind--and remediation strategies for--today's most insidious attacks. Architect an infrastructure that allows for methodical investigation and remediation Develop leads, identify indicators of compromise, and determine incident scope Collect and preserve live data Perform forensic duplication Analyze data from networks, enterprise services, and applications Investigate Windows and Mac OS X systems Perform malware triage Write detailed incident response reports Create and implement comprehensive remediation plans

Virtualization Security - Dave Shackleford 2012-11-08

Securing virtual environments for VMware, Citrix, and Microsoft hypervisors Virtualization changes the playing field when it comes to security. There are new attack vectors, new operational patterns and complexity, and

changes in IT architecture and deployment life cycles. What's more, the technologies, best practices, and strategies used for securing physical environments do not provide sufficient protection for virtual environments. This book includes step-by-step configurations for the security controls that come with the three leading hypervisor--VMware vSphere and ESXi, Microsoft Hyper-V on Windows Server 2008, and Citrix XenServer. Includes strategy for securely implementing network policies and integrating virtual networks into the existing physical infrastructure Discusses vSphere and Hyper-V native virtual switches as well as the Cisco Nexus 1000v and Open vSwitch switches Offers effective practices for securing virtual machines without creating additional operational overhead for administrators Contains methods for integrating virtualization into existing workflows and creating new policies and processes for change and configuration management so that virtualization can help make these critical operations processes more effective This must-have resource offers tips and tricks for improving disaster recovery and business continuity, security-specific scripts, and examples of how Virtual Desktop Infrastructure benefits security.

LSC (GLOBE UNIVERSITY) SD256: VS ePub for Mobile Application Security - Himanshu Dwivedi 2010-02-18

Secure today's mobile devices and applications Implement a systematic approach to security in your mobile application development with help from this practical guide. Featuring case studies, code examples, and best practices, Mobile Application Security details how to protect against vulnerabilities in the latest smartphone and PDA platforms. Maximize isolation, lockdown internal and removable storage, work with sandboxing and signing, and encrypt sensitive user information. Safeguards against viruses, worms, malware, and buffer overflow exploits are also covered in this comprehensive resource. Design highly isolated, secure, and authenticated mobile applications Use the Google Android emulator, debugger, and third-party security tools Configure Apple iPhone APIs to prevent overflow and SQL injection attacks Employ private and public key cryptography on Windows Mobile devices Enforce fine-grained security policies using the BlackBerry Enterprise Server Plug holes in Java Mobile Edition, SymbianOS, and WebOS applications Test for XSS, CSRF, HTTP redirects, and phishing attacks on WAP/Mobile HTML applications Identify and eliminate threats from Bluetooth, SMS, and GPS services Himanshu Dwivedi is a co-founder of iSEC Partners (www.isecpartners.com), an information security firm specializing in application security. Chris Clark is a principal security consultant with iSEC Partners. David Thiel is a principal security consultant with iSEC Partners.

Smart Grid Security - Florian Skopik 2015-08-11

The Smart Grid security ecosystem is complex and multi-disciplinary, and relatively under-researched compared to the traditional information and network security disciplines. While the Smart Grid has provided increased efficiencies in monitoring power usage, directing power supplies to serve peak power needs and improving efficiency of power delivery, the Smart Grid has also opened the way for information security breaches and other types of security breaches. Potential threats range from meter manipulation to directed, high-impact attacks on critical infrastructure that could bring down regional or national power grids. It is essential that security measures are put in place to ensure that the Smart Grid does not succumb to these threats and to safeguard this critical infrastructure at all times. Dr. Florian Skopik is one of the leading researchers in Smart Grid security, having organized and led research consortia and panel discussions in this field. Smart Grid Security will provide the first truly holistic view of leading edge Smart Grid security research. This book does not focus on vendor-specific solutions, instead providing a complete presentation of forward-looking research in all areas of Smart Grid security. The book will enable practitioners to learn about upcoming trends, scientists to share new directions in research, and government and industry decision-makers to prepare for major strategic decisions regarding implementation of Smart Grid technology. Presents the most current and leading edge research on Smart Grid security from a holistic standpoint, featuring a panel of top experts in the field. Includes coverage of risk management, operational security, and secure

development of the Smart Grid. Covers key technical topics, including threat types and attack vectors, threat case studies, smart metering, smart home, e- mobility, smart buildings, DERs, demand response management, distribution grid operators, transmission grid operators, virtual power plants, resilient architectures, communications protocols and encryption, as well as physical security.

Violent Python - TJ O'Connor 2012-12-28

Violent Python shows you how to move from a theoretical understanding of offensive computing concepts to a practical implementation. Instead of relying on another attacker's tools, this book will teach you to forge your own weapons using the Python programming language. This book demonstrates how to write Python scripts to automate large-scale network attacks, extract metadata, and investigate forensic artifacts. It also shows how to write code to intercept and analyze network traffic using Python, craft and spoof wireless frames to attack wireless and Bluetooth devices, and how to data-mine popular social media websites and evade modern anti-virus. Demonstrates how to write Python scripts to automate large-scale network attacks, extract metadata, and investigate forensic artifacts Write code to intercept and analyze network traffic using Python. Craft and spoof wireless frames to attack wireless and Bluetooth devices Data-mine popular social media websites and evade modern anti-virus

Seeing Race Again - Kimberlé Williams Crenshaw 2019-02-05

Every academic discipline has an origin story complicit with white supremacy. Racial hierarchy and colonialism structured the very foundations of most disciplines' research and teaching paradigms. In the early twentieth century, the academy faced rising opposition and correction, evident in the intervention of scholars including W. E. B. Du Bois, Zora Neale Hurston, Carter G. Woodson, and others. By the mid-twentieth century, education itself became a center in the struggle for social justice. Scholars mounted insurgent efforts to discredit some of the most odious intellectual defenses of white supremacy in academia, but the disciplines and their keepers remained unwilling to interrogate many of the racist foundations of their fields, instead embracing a framework of racial colorblindness as their default position. This book challenges scholars and students to see race again. Examining the racial histories and colorblindness in fields as diverse as social psychology, the law, musicology, literary studies, sociology, and gender studies, Seeing Race Again documents the profoundly contradictory role of the academy in constructing, naturalizing, and reproducing racial hierarchy. It shows how colorblindness compromises the capacity of disciplines to effectively respond to the wide set of contemporary political, economic, and social crises marking public life today.

Nauti Intentions - Lora Leigh 2011-08

Janey Mackay is fearful of men, so Major Alex Jansen must take it slow in order to win her trust and her heart, but when sinister notes start to appear, Alex must protect his one true love from harm.