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The Ethical Hack Auerbach Publications
The official, Guidance Software-approved book on the newest EnCE exam! The EnCE exam tests that computer forensic analysts and examiners have thoroughly mastered computer investigation methodologies, as well as the use of Guidance Software's EnCase Forensic 7. The only official Guidance-endorsed study guide on the topic, this book prepares you for the exam with extensive coverage of all exam topics, real-world scenarios, hands-on exercises, up-to-date legal information, and sample evidence files, flashcards, and more. Guides readers through preparation for the newest EnCase Certified Examiner (EnCE) exam Prepares candidates for both Phase 1 and Phase 2 of the exam, as well as for practical use of the certification Covers identifying and searching hardware and files systems, handling evidence on the scene, and acquiring digital evidence using EnCase Forensic 7 Includes hands-on exercises, practice questions, and up-to-date legal information Sample evidence files, Sybex Test Engine, electronic flashcards, and more If you're preparing for the new EnCE exam, this is the study guide you need.
Critical Concepts, Standards, and Techniques in Cyber Forensics
Cyber ForensicsA Field Manual for Collecting, Examining, and Preserving Evidence of Computer Crimes, Second Edition
Effective security rules and procedures do not exist for their own sake-they are put in place to protect critical assets, thereby supporting overall business objectives. Recognizing security as a business enabler is the first step in building a successful program. Information Security Fundamentals allows future security professionals to gain a solid understanding of the foundations of the field and the entire range of issues that practitioners must address. This book enables students to understand the key elements that comprise a successful information security program and eventually apply these concepts to their own efforts. The book examines the elements of computer security, employee roles and responsibilities, and common threats. It examines the need for management controls, policies and procedures, and risk analysis, and also presents a comprehensive list of tasks and objectives that make up a typical information protection program. The volume discusses organizationwide policies and their documentation, and legal and business requirements. It explains policy format, focusing on global, topic-specific, and application-specific policies. Following a review of asset classification, the book explores access control, the components of physical security, and the foundations and processes of risk analysis and risk management. Information Security Fundamentals concludes by describing business continuity planning, including preventive controls, recovery strategies, and ways to conduct a business impact analysis.
Ever Faithful CRC Press
Unfortunately, much of what has been written about software engineering comes from an academic perspective which does not always address the everyday concerns that software developers and managers face. With decreasing software budgets and increasing demands from users and senior management, technology directors need a complete guide to the subject
Cyber Forensics John Wiley & Sons
Recent developments in information and communication technology (ICT) have paved the way for a world of advanced communication, intelligent information processing and ubiquitous access to information and services. The ability to work, communicate, interact, conduct business, and enjoy digital entertainment virtually anywhere is r- idly becoming commonplace due to a multitude of small devices, ranging from mobile phones and PDAs to RFID tags and wearable computers. The increasing number of connected devices and the proliferation of networks provide no indication of a sl- down in this tendency. On the negative side, misuse of this same technology entails serious risks in various aspects, such as privacy violations, advanced electronic crime, cyber terrorism, and even enlargement of the digital divide. In extreme cases it may even threaten basic principles and human rights. The aforementioned issues raise an important question: Is our society ready to adopt the technological advances in ubiq- tous networking, next-generation Internet, and pervasive computing? To what extent will it manage to evolve promptly and efficiently to a next-generation society, ado- ing the forthcoming ICT challenges? The Third International ICST Conference on e-Democracy held in Athens, Greece during September 23–25, 2009 focused on the above issues. Through a compreh- sive list of thematic areas under the title “Next-Generation Society: Technological and Legal issues,” the 2009 conference provided comprehensive reports and stimulated discussions on the technological, ethical, legal, and political challenges ahead of us.
Bridging the Gaps Between Security Professionals, Law Enforcement, and Prosecutors John Wiley & Sons
Given our increasing dependency on computing technology in daily business processes, and the growing opportunity to use engineering technologies to engage in illegal, unauthorized, and unethical acts aimed at corporate infrastructure, every organization is at risk. Cyber Forensics: A Field Manual for Collecting, Examining, and Preserving Evidence o
Oxford University Press
An explanation of the basic principles of data This book explains

the basic principles of data as buildingblocks of electronic evidential matter, which are used in a cyberforensics investigations. The entire text is written with noreference to a particular operation system or environment, thus itis applicable to all work environments, cyber investigationscenarios, and technologies. The text is written in astep-by-step manner, beginning with the elementary buildingblocks of data progressing upwards to the representation andstorage of information. It inlcudes practical examples andillustrations throughout to guide the reader.

West Virginia Blue Book A&C Black

This volume is a collation of articles on counter forensics practices and digital investigative methods from the perspective of crime science. The book also shares alternative dialogue on information security techniques used to protect data from unauthorised access and manipulation. Scandals such as those at OPCW and Gatwick Airport have reinforced the importance of crime science and the need to take proactive measures rather than a wait and see approach currently used by many organisations. This book proposes a new approach in dealing with cybercrime and unsociable behavior involving remote technologies using a combination of evidence-based disciplines in order to enhance cybersecurity and authorised controls. It starts by providing a rationale for combining selected disciplines to enhance cybersecurity by discussing relevant theories and highlighting the features that strengthen privacy when mixed. The essence of a holistic model is brought about by the challenge facing digital forensic professionals within environments where tested investigative practices are unable to provide satisfactory evidence and security. This book will be of interest to students, digital forensic and cyber security practitioners and policy makers. It marks a new route in the study of combined disciplines to tackle cybercrime using digital investigations and crime science.

Information Technology Control and Audit Inst of Internal Auditors >

Race, Loyalty, and the Ends of Empire in Spanish Cuba IGI Global

The Wireless Security Handbook provides a well-rounded overview of wireless network security. It examines wireless from multiple perspectives, including those of an auditor, security architect, and hacker. This wide scope benefits anyone who has to administer, secure, hack, or conduct business on a wireless network. This text tackles wirele

Hacking Exposed Computer Forensics, Third Edition Elsevier

Every computer crime leaves tracks–you just have to know where to find them. This book shows you how to collect and analyze the digital evidence left behind in a digital crime scene. Computers have always been susceptible to unwanted intrusions, but as the sophistication of computer technology increases so does the need to anticipate, and safeguard against, a corresponding rise in computer-related criminal activity. Computer forensics, the newest branch of computer security, focuses on the aftermath of a computer security incident. The goal of computer forensics is to conduct a structured investigation to determine exactly what happened, who was responsible, and to perform the investigation in such a way that the results are useful in a criminal proceeding. Written by two experts in digital investigation, Computer Forensics provides extensive information on how to handle the computer as evidence. Kruse and Heiser walk the reader through the complete forensics process–from the initial collection of evidence through the final report. Topics include an overview of the forensic relevance of encryption, the examination of digital evidence for clues, and the most effective way to present your evidence and conclusions in court. Unique forensic issues associated with both the Unix and the Windows NT/2000 operating systems are thoroughly covered. This book provides a detailed methodology for collecting, preserving, and effectively using evidence by addressing the three A's of computer forensics: Acquire the evidence without altering or damaging the original data. Authenticate that your recorded evidence is the same as the original seized data. Analyze the data without modifying the recovered data. Computer Forensics is written for everyone who is responsible for investigating digital criminal incidents or who may be interested in the techniques that such investigators use. It is equally helpful to those investigating hacked web servers, and those who are investigating the source of illegal pornography.

Software Engineering Handbook John Wiley & Sons

This clear-sighted reference examines the public health dimensions of labor and sex trafficking in the United States, the scope of the crisis, and possibilities for solutions. Its ecological lifespan approach globally traces risk and protective factors associated with this exploitation, laying a roadmap towards its prevention. Diverse experts, including survivors, describe support and care interventions across domains and disciplines, from the law enforcement and judicial sectors to community health systems and NGOs, with a robust model for collaboration. By focusing on the humanity of trafficked persons, a public health paradigm broadens our understanding of and ability to address trafficking while adding critical direction and resources to the criminal justice and human rights structures currently in place. Among the topics covered: Children at Risk: Foster Care and Human Trafficking LGBTQ Youth and Vulnerability to Sex Trafficking“/li> Physical Health of Human Trafficking Survivors: Unmet Essentials Research Informing Advocacy: An Anti-Human Trafficking Tool Caring for Survivors Using a Trauma-Informed Care Framework The Media and Human Trafficking: Discussion and Critique of the Dominant Narrative Human Trafficking Is a Public Health Issue is a sobering read; a powerful call to action for public health professionals, including social workers and health care practitioners providing direct services, as well as the larger anti-trafficking community of advocates, prosecutors, taskforce members, law enforcement agents, officers, funders, and administrators. “An extraordinary collection of knowledge by survivors, academics, clinicians, and advocates who are experts on human trafficking. Human Trafficking is a Public Health Issue is a comprehensive offering in educating readers on human trafficking through a multi-pronged public health lens.” Margeaux Gray: Survivor, Advocate, Artist, Public Speaker

Naval Law Review CRC Press

The Definitive Guide to File System Analysis: Key Concepts and Hands-on Techniques Most digital evidence is stored within the computer's file system, but understanding how file systems work is one of the most technically challenging concepts for a digital investigator because there exists little documentation. Now, security expert Brian Carrier has written the definitive reference for everyone who wants to understand and be able to testify about how file system analysis is performed. Carrier begins with an overview of investigation and computer foundations and then gives an authoritative, comprehensive, and illustrated overview of contemporary volume and file systems: Crucial information for discovering hidden evidence, recovering deleted data, and validating your tools. Along the way, he describes data structures, analyzes example disk images, provides advanced investigation

scenarios, and uses today's most valuable open source file system analysis tools—including tools he personally developed. Coverage includes Preserving the digital crime scene and duplicating hard disks for "dead analysis" Identifying hidden data on a disk's Host Protected Area (HPA) Reading source data: Direct versus BIOS access, dead versus live acquisition, error handling, and more Analyzing DOS, Apple, and GPT partitions; BSD disk labels; and Sun Volume Table of Contents using key concepts, data structures, and specific techniques Analyzing the contents of multiple disk volumes, such as RAID and disk spanning Analyzing FAT, NTFS, Ext2, Ext3, UFS1, and UFS2 file systems using key concepts, data structures, and specific techniques Finding evidence: File metadata, recovery of deleted files, data hiding locations, and more Using The Sleuth Kit (TSK), Autopsy Forensic Browser, and related open source tools When it comes to file system analysis, no other book offers this much detail or expertise. Whether you're a digital forensics specialist, incident response team member, law enforcement officer, corporate security specialist, or auditor, this book will become an indispensable resource for forensic investigations, no matter what analysis tools you use.

Information Security Fundamentals McGraw-Hill Education
"While the purview of digital forensics was once specialized to fields of law enforcement, computer security, and national defense, the increasing ubiquity of computers and electronic devices means that digital forensics is now used in a wide variety of cases and circumstances. Most records today are born digital, and libraries and other collecting institutions increasingly receive computer storage media as part of their acquisition of "papers" from writers, scholars, scientists, musicians, and public figures. This poses new challenges to librarians, archivists, and curators--challenges related to accessing and preserving legacy formats, recovering data, ensuring authenticity, and maintaining trust. The methods and tools developed by forensics experts represent a novel approach to these demands. For example, the same forensics software that indexes a criminal suspect's hard drive allows the archivist to prepare a comprehensive manifest of the electronic files a donor has turned over for accession. This report introduces the field of digital forensics in the cultural heritage sector and explores some points of convergence between the interests of those charged with collecting and maintaining born-digital cultural heritage materials and those charged with collecting and maintaining legal evidence."--Publisher's website.

Computer Forensics John Wiley & Sons
We don't have to tell you that keeping up with privacy guidelines and having a strong privacy policy are critical in today's network economy. More and more organizations are instating the position of a Corporate Privacy Officer (CPO) to oversee all of the privacy issues within and organization. The Corporate Privacy Handbook will provide you with a comprehensive reference on privacy guidelines and instruction on policy development/implementation to guide corporations in establishing a strong privacy policy. Order your copy today!

Digital Forensics and Cyber Crime Pearson Education
Designed as an introduction and overview to the field, Cyber Forensics: A Field Manual for Collecting, Examining, and Preserving Evidence of Computer Crimes, Second Edition integrates theory and practice to present the policies, procedures, methodologies, and legal ramifications and implications of a cyber forensic investigation. The authors guide you step-by-step through the basics of investigation and introduce the tools and procedures required to legally seize and forensically evaluate a suspect machine. Updating and expanding information on concealment techniques, new technologies, hardware, software, and relevant new legislation, this second edition delineates the scope and goals of cyber forensics to reveal and track legal and illegal activity. Beginning with an introduction and definition of cyber forensics, chapters explain the rules of evidence and chain of custody in maintaining legally valid electronic evidence. They describe how to begin an investigation and employ investigative methodology, as well as establish standard operating procedures for the field and cyber forensic laboratory. The authors provide an in depth examination of the manipulation of technology to conceal illegal activities and the use of cyber forensics to uncover them. They discuss topics and issues such as conducting a cyber forensic investigation within both the local and federal legal framework, and evaluating the current data security and integrity exposure of multifunctional devices. Cyber Forensics includes details and tips on taking control of a suspect computer or PDA and its "operating" environment, mitigating potential exposures and risks to chain of custody, and establishing and following a flowchart for the seizure of electronic evidence. An extensive list of appendices include websites, organizations, pertinent legislation, further readings, best practice recommendations, more information on hardware and software, and a recap of the federal rules of civil procedure.

Human Trafficking Is a Public Health Issue CRC Press
Following on the success of his introductory text, Digital Evidence and Computer Crime, Eoghan Casey brings together a few top experts to create the first detailed guide for professionals who are already familiar with digital evidence. The Handbook of Computer Crime Investigation helps readers master the forensic analysis of computer systems with a three-part approach covering tools, technology, and case studies. The Tools section provides the details on leading software programs, with each chapter written by that product's creator. The section ends with an objective comparison of the strengths and limitations of each tool. The main Technology section provides the technical "how to" information for collecting and analyzing digital evidence in common situations, starting with computers, moving on to networks, and culminating with embedded systems. The Case Examples section gives readers a sense of the technical, legal, and practical challenges that arise in real computer investigations. The Tools section provides details of leading hardware and software The main Technology section provides the technical "how to" information for collecting and analysing digital evidence in common situations Case Examples give readers a sense of the technical, legal, and practical challenges that arise in real computer investigations

Guidelines, Exposures, Policy Implementation, and International Issues CRC Press
Written by a former NYPD cyber cop, this is the only book available that discusses the hard questions cyber crime investigators are asking. The book begins with the chapter “What is Cyber Crime? This introductory chapter describes the most common challenges faced by cyber investigators today. The following chapters discuss the methodologies behind cyber investigations; and frequently encountered pitfalls. Issues relating to cyber crime definitions, the electronic crime scene, computer forensics, and preparing and presenting a cyber crime investigation in court will be examined. Not only will these topics be generally be discussed and explained for the novice, but the hard questions —the questions that have the power to divide this

community— will also be examined in a comprehensive and thoughtful manner. This book will serve as a foundational text for the cyber crime community to begin to move past current difficulties into its next evolution. This book has been written by a retired NYPD cyber cop, who has worked many high-profile computer crime cases Discusses the complex relationship between the public and private sector with regards to cyber crime Provides essential information for IT security professionals and first responders on maintaining chain of evidence

Next Generation Society Technological and Legal Issues Addison-Wesley Professional

Cyber ForensicsA Field Manual for Collecting, Examining, and Preserving Evidence of Computer Crimes, Second EditionAuerbach Publications

Control Issues for Securing Virtual Enterprises CRC Press

Significant advances in DNA analysis techniques have surfaced since the 1997 publication of the bestselling An Introduction to Forensic DNA Analysis. DNA typing has become increasingly automated and miniaturized. Also, with the advent of Short Tandem Repeat (STR) technology, even the most minute sample of degraded DNA can yield a profile, providing valuable case information. However, just as the judicial system slowly and reluctantly accepted RFLP and AmpliType® PM+DQA1 typing, it is now scrutinizing the admissibility of STRs. Acknowledging STR typing as the current system of choice, An Introduction to Forensic DNA Analysis, Second Edition translates new and established concepts into plain English so that laypeople can gain insight into how DNA analysis works, from sample collection to interpretation of results. In response to the shift toward more efficient techniques, the authors cover the legal admissibility of STR typing, expand the chapter on DNA databases, and revise the section on automated analysis. They also present key decisions and appellate or supreme court rulings that provide precedent at the state and federal levels. Discussing forensic DNA issues from both a scientific and a legal perspective, the authors of An Introduction to Forensic DNA Analysis, Second Edition present the material in a manner understandable by professionals in the legal system, law enforcement, and forensic science. They cover general principles in a clear fashion and include a glossary of terms and other useful appendices for easy reference.

Digital Forensics and Born-digital Content in Cultural Heritage Collections CRC Press

An explanation of the basic principles of data This book explains the basic principles of data as buildingblocks of electronic evidential matter, which are used in a cyberforensics investigations. The entire text is written with noreference to a particular operation system or environment, thus itis applicable to all work environments, cyber investigationscenarios, and technologies. The text is written in astep-by-step manner, beginning with the elementary buildingblocks of data progressing upwards to the representation andstorage of information. It inlcudes practical examples andillustrations throughout to guide the reader.