

By John Sammons The Basics Of Digital Forensics Second Edition The Primer For Getting Started In Digital Forensics 2nd Second Edition Paperback

This much-anticipated revision, written by the ultimate group of top security experts in the world, features 40 percent new content on how to find security holes in any operating system or application. New material addresses the many new exploitation techniques that have been discovered since the first edition, including attacking "unbreakable" software packages such as McAfee's Enterscept, Mac OS X, XP, Office 2003, and Vista. Also features the first-ever published information on exploiting Cisco's IOS, with content that has never before been explored. The companion Web site features downloadable code files.

The Basics of Digital Forensics provides a foundation for people new to the digital forensics field. This book teaches you how to conduct examinations by discussing what digital forensics is, the methodologies used, key tactical concepts, and the tools needed to perform examinations. Details on digital forensics for computers, networks, cell phones, GPS, the cloud and the Internet are discussed. Also, learn how to collect evidence, document the scene, and how deleted data can be recovered. The new Second Edition of this book provides you with completely up-to-date real-world examples and all the key technologies used in digital forensics, as well as new coverage of network intrusion response, how hard drives are organized, and electronic discovery. You'll also learn how to incorporate quality assurance into an investigation, how to prioritize evidence items to examine (triage), case processing, and what goes into making an expert witness. The Second Edition also features expanded resources and references, including online resources that keep you current, sample legal documents, and suggested further reading. Learn what Digital Forensics entails. Build a toolkit and prepare an investigative plan. Understand the common artifacts to look for in an exam. Second Edition features all-new coverage of hard drives, triage, network intrusion response, and electronic discovery; as well as updated case studies, expert interviews, and expanded resources and references.

Social media is becoming an increasingly important—and controversial—investigative source for law enforcement. Social Media Investigation for Law Enforcement provides an overview of the current state of digital forensic investigation of Facebook and other social media networks and the state of the law, touches on hacktivism, and discusses the implications for privacy and other controversial areas. The authors also point to future trends.

The Basics of Cyber Safety: Computer and Mobile Device Safety Made Easy presents modern tactics on how to secure computer and mobile devices, including what behaviors are "safe" while surfing, searching, and interacting with others in the virtual world. The book's author, Professor John Sammons, who teaches information security at Marshall University, introduces readers to the basic concepts of protecting their computer, mobile devices, and data during a time that is described as the most "connected" in history. This timely resource provides useful information for readers who know very little about the basic principles of keeping the devices they are connected to—or themselves—secure while online. In addition, the text discusses, in a non-technical way, the cost of connectedness to your privacy, and what you can do to protect your privacy, including how to avoid all kinds of viruses, malware, cybercrime, and identity theft. Final sections provide the latest information on safe computing in the workplace and at school, and give parents steps they can take to keep young kids and teens safe online. Provides the most straightforward and up-to-date guide to cyber safety for anyone who ventures online for work, school, or personal use. Real world examples demonstrate how cyber criminals commit their crimes, and what users can do to keep their data safe. Written by professor John Sammons, who teaches information security and digital forensics at Marshall University. Companion website includes data links, additional resources, downloads, and the most up-to-date information on cyber threats and counter-measures.

The Digital Forensics Workbook is filled with over 60 hands-on activities using over 40 different tools for digital forensic examiners who want to gain practice acquiring and analyzing digital data. Topics include analysis of media, network traffic, memory, and mobile apps. By becoming proficient in these activities, examiners can then focus on the recovered data and conduct in-depth analyses. This workbook was designed to augment existing digital forensics learning, whether it be formalized academic courses, industry training classes, on-the-job learning, or independent studying. The hands-on activities include step-by-step procedures for the reader so they obtain the identical results presented in the workbook. Activities include over 150 questions and answers to reinforce content. Additional exercises with answers are also provided so readers can apply what they have learned.

A Guide Through Narnia was one of the first in-depth studies of C.S. Lewis's seven Chronicles of Narnia. The focus and organization of this revised and expanded edition is on why Lewis wrote the books as fairy tales, the best "Form" for his ideas. It is written for both students and scholars who want to expand their understanding of these popular classics. Chapters include: -Seeing Pictures: How the books were written, chronological summaries, publication history -Selecting the Ideal Form: Why Lewis chose the fairy tale form, fairy tale elements and style -Seeing Man as Hero: Child heroes -Stealing Past Dragons: Characteristics of religious fantasy, allegory and "supposition," Christian elements -Stepping Through the Door: Themes and effects of fantasy -Dictionary of Names and Places. Martha C. Sammons is Professor of English at Wright State University.

Use a practical approach to teaching mathematics that integrates proven literacy strategies for effective instruction. This professional resource will help to maximize the impact of instruction through the use of whole-class instruction, small-group instruction, and Math Workshop. Incorporate ideas for using ongoing assessment to guide your instruction and increase student learning, and use hands-on, problem-solving experiences with small groups to encourage mathematical communication and discussion. Guided Math supports the College and Career Readiness and other state standards.

Digital Forensics with Open Source Tools is the definitive book on investigating and analyzing computer systems and media using open source tools. The book is a technical procedural guide, and explains the use of open source tools on Mac, Linux and Windows systems as a platform for performing computer forensics. Both well-known and novel forensic methods are demonstrated using command-line and graphical open source computer forensic tools for examining a wide range of target systems and artifacts. Written by world-renowned forensic practitioners, this book uses the most current examination and analysis techniques in the field. It consists of 9 chapters that cover a range of topics such as the open source examination platform; disk and file system analysis; Windows systems and artifacts; Linux systems and artifacts; Mac OS X systems and artifacts; Internet artifacts; and automating analysis and extending capabilities. The book lends itself to use by students and those entering the field who do not have means to purchase new tools for different investigations. This book will appeal to forensic practitioners from areas including incident response teams and computer forensic investigators; forensic technicians from legal, audit, and consulting firms; and law enforcement agencies. Written by world-renowned forensic practitioners. Details core concepts and techniques of forensic file system analysis. Covers analysis of artifacts from the Windows, Mac, and Linux operating systems.

The definitive text for students of digital forensics, as well as professionals looking to deepen their understanding of an increasingly critical field. Written by faculty members and associates of the world-renowned Norwegian Information Security Laboratory (NisLab) at the Norwegian University of Science and Technology (NTNU), this textbook takes a scientific approach to digital forensics ideally suited for university courses in digital forensics and information security. Each chapter was written by an accomplished expert in his or her field, many of them with extensive experience in law enforcement and industry. The author team comprises experts in digital forensics, cybercrime law, information security

and related areas. Digital forensics is a key competency in meeting the growing risks of cybercrime, as well as for criminal investigation generally. Considering the astonishing pace at which new information technology – and new ways of exploiting information technology – is brought on line, researchers and practitioners regularly face new technical challenges, forcing them to continuously upgrade their investigatory skills. Designed to prepare the next generation to rise to those challenges, the material contained in Digital Forensics has been tested and refined by use in both graduate and undergraduate programs and subjected to formal evaluations for more than ten years. Encompasses all aspects of the field, including methodological, scientific, technical and legal matters Based on the latest research, it provides novel insights for students, including an informed look at the future of digital forensics Includes test questions from actual exam sets, multiple choice questions suitable for online use and numerous visuals, illustrations and case example images Features real-word examples and scenarios, including court cases and technical problems, as well as a rich library of academic references and references to online media Digital Forensics is an excellent introductory text for programs in computer science and computer engineering and for master degree programs in military and police education. It is also a valuable reference for legal practitioners, police officers, investigators, and forensic practitioners seeking to gain a deeper understanding of digital forensics and cybercrime.

There are hundreds--if not thousands--of techniques used to compromise both Windows and Unix-based systems. Malicious code and new exploit scripts are released on a daily basis, and each evolution becomes more and more sophisticated. Keeping up with the myriad of systems used by hackers in the wild is a formidable task, and scrambling to patch each potential vulnerability or address each new attack one-by-one is a bit like emptying the Atlantic with paper cup. If you're a network administrator, the pressure is on you to defend your systems from attack. But short of devoting your life to becoming a security expert, what can you do to ensure the safety of your mission critical systems? Where do you start? Using the steps laid out by professional security analysts and consultants to identify and assess risks, Network Security Assessment offers an efficient testing model that an administrator can adopt, refine, and reuse to create proactive defensive strategies to protect their systems from the threats that are out there, as well as those still being developed. This thorough and insightful guide covers offensive technologies by grouping and analyzing them at a higher level--from both an offensive and defensive standpoint--helping administrators design and deploy networks that are immune to offensive exploits, tools, and scripts. Network administrators who need to develop and implement a security assessment program will find everything they're looking for--a proven, expert-tested methodology on which to base their own comprehensive program--in this time-saving new book.

Providers and consumers of mental health services are increasingly making use of the internet to gather information, consult, and participate in psychotherapy. This Handbook gives practical insight into how professionals can translate their practice to an online medium. Divided into four sections, section one provides an overview of how the internet has become an integral part of people's lives, and the research to date on the use and effectiveness of counseling online, as well as idiosyncrasies of online behavior and communication. Section two discusses the "practical" aspects of counseling online, including technological issues, ethical and legal issues, and business issues. Section three focuses on performing psychotherapy online, including online treatment strategies and skills, working with online groups, online testing and assessment, and international and multicultural issues in online counseling. The last section discusses the future of online counseling. The Handbook is intended for those professionals interested in the burgeoning telehealth movement and to those practicing therapists looking for ways to expand their practices online and/or to help round out treatment to specific patients who might benefit from online therapy in addition to traditional delivery. * Foreword by Morgan Sammons and Patrick DeLeon, past president of the American Psychological Association * The first comprehensive textbook designed to give clinicians and mental health students everything they need to understand and start providing mental health services via the Internet * Each chapter includes study questions and key terms, making it ideal for use in graduate or continuing education settings * Includes clear and comprehensive chapters on research and technology related to online counseling * Contributors include past, present, and elected presidents of the International Society for Mental Health Online (ISMHO), the Internet's leading resource for professionals interested in online counseling and other methods of delivering mental health services via the Internet

This book introduces Information Lifecycle Management (ILM), a powerful new strategy for managing enterprise information based on its value over time. The author explains emerging techniques for protecting storage systems and storage networks, and for integrating storage security into your overall security plan. He also presents new technical advances and opportunities to improve existing data-protection processes, including backup/restore, replication, and remote copy.

Uncover a digital trail of e-evidence by using the helpful, easy-to-understand information in Computer Forensics For Dummies! Professional and armchair investigators alike can learn the basics of computer forensics, from digging out electronic evidence to solving the case. You won't need a computer science degree to master e-discovery. Find and filter data in mobile devices, e-mail, and other Web-based technologies. You'll learn all about e-mail and Web-based forensics, mobile forensics, passwords and encryption, and other e-evidence found through VoIP, voicemail, legacy mainframes, and databases. You'll discover how to use the latest forensic software, tools, and equipment to find the answers that you're looking for in record time. When you understand how data is stored, encrypted, and recovered, you'll be able to protect your personal privacy as well. By the time you finish reading this book, you'll know how to: Prepare for and conduct computer forensics investigations Find and filter data Protect personal privacy Transfer evidence without contaminating it Anticipate legal loopholes and opponents' methods Handle passwords and encrypted data Work with the courts and win the case Plus, Computer Forensics for Dummies includes lists of things that everyone interested in computer forensics should know, do, and build. Discover how to get qualified for a career in computer forensics, what

to do to be a great investigator and expert witness, and how to build a forensics lab or toolkit. Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

As a society that relies on technology to thrive, we face a growing number of potentially catastrophic threats to network security daily. DATABASE SECURITY delivers the know-how and skills that today's professionals must have to protect their company's technology infrastructures, intellectual property, and future prosperity. From database installation and testing to auditing and SQL Injection, this text delves into the essential processes and protocols required to prevent intrusions, and supports each topic with real-world examples that help future IT professionals understand their critical responsibilities. Unlike most texts on database security, which take a computer scientist's analytical approach, Database Security focuses on implementation, and was written expressly for the expanding field of Information Technology careers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Incident response is the method by which organisations take steps to identify and recover from an information security incident, with as little impact as possible on business as usual. Digital forensics is what follows - a scientific investigation into the causes of an incident with the aim of bringing the perpetrators to justice. These two disciplines have a close but complex relationship and require a balancing act to get right, but both are essential when an incident occurs. In this practical guide, the relationship between incident response and digital forensics is explored and you will learn how to undertake each and balance them to meet the needs of an organisation in the event of an information security incident. Best practice tips and real-life examples are included throughout.

Digital Forensics: Threatscape and Best Practices surveys the problems and challenges confronting digital forensic professionals today, including massive data sets and everchanging technology. This book provides a coherent overview of the threatscape in a broad range of topics, providing practitioners and students alike with a comprehensive, coherent overview of the threat landscape and what can be done to manage and prepare for it. Digital Forensics: Threatscape and Best Practices delivers you with incisive analysis and best practices from a panel of expert authors, led by John Sammons, bestselling author of The Basics of Digital Forensics. Learn the basics of cryptocurrencies (like Bitcoin) and the artifacts they generate Learn why examination planning matters and how to do it effectively Discover how to incorporate behavioral analysis into your digital forensics examinations Stay updated with the key artifacts created by the latest Mac OS, OS X 10.11, El Capitan Discusses the threatscape and challenges facing mobile device forensics, law enforcement, and legal cases The power of applying the electronic discovery workflows to digital forensics Discover the value of and impact of social media forensics

The Basics of Cyber Safety: Computer and Mobile Device Safety Made Easy presents modern tactics on how to secure computer and mobile devices, including what behaviors are safe while surfing, searching, and interacting with others in the virtual world. The book's author, Professor John Sammons, who teaches information security at Marshall University, introduces readers to the basic concepts of protecting their computer, mobile devices, and data during a time that is described as the most connected in history. This timely resource provides useful information for readers who know very little about the basic principles of keeping the devices they are connected to—or themselves—secure while online. In addition, the text discusses, in a non-technical way, the cost of connectedness to your privacy, and what you can do to it, including how to avoid all kinds of viruses, malware, cybercrime, and identity theft. Final sections provide the latest information on safe computing in the workplace and at school, and give parents steps they can take to keep young kids and teens safe online. Provides the most straightforward and up-to-date guide to cyber safety for anyone who ventures online for work, school, or personal use Includes real world examples that demonstrate how cyber criminals commit their crimes, and what users can do to keep their data safe

PART OF THE NEW JONES & BARTLETT LEARNING INFORMATION SYSTEMS SECURITY & ASSURANCE SERIES Completely revised and rewritten to keep pace with the fast-paced field of Computer Forensics! Computer crimes call for forensics specialists, people who know how to find and follow the evidence. System Forensics, Investigation, and Response, Second Edition begins by examining the fundamentals of system forensics, such as what forensics is, the role of computer forensics specialists, computer forensic evidence, and application of forensic analysis skills. It also gives an overview of computer crimes, forensic methods, and laboratories. It then addresses the tools, techniques, and methods used to perform computer forensics and investigation. Finally, it explores emerging technologies as well as future directions of this interesting and cutting-edge field. New and Key Features of the Second Edition: Examines the fundamentals of system forensics Discusses computer crimes and forensic methods Written in an accessible and engaging style Incorporates real-world examples and engaging cases Instructor Materials for System Forensics, Investigation, and Response include: PowerPoint Lecture Slides Exam Questions Case Scenarios/Handouts Instructor's Manual

As part of the Syngress Basics series, The Basics of Information Security provides you with fundamental knowledge of information security in both theoretical and practical aspects. Author Jason Andress gives you the basic knowledge needed to understand the key concepts of confidentiality, integrity, and availability, and then dives into practical applications of these ideas in the areas of operational, physical, network, application, and operating system security. The Basics of Information Security gives you clear-non-technical explanations of how infosec works and how to apply these principles whether you're in the IT field or want to understand how it affects your career and business. The new Second Edition has been updated for the latest trends and threats, including new material on many infosec subjects. Learn about information security without wading through a huge textbook Covers both theoretical and practical aspects of information security Provides a broad view of the information security field in a concise manner All-new Second Edition updated for the latest information security trends and threats, including material on incident response, social engineering, security

awareness, risk management, and legal/regulatory issues

Network security is not simply about building impenetrable walls—determined attackers will eventually overcome traditional defenses. The most effective computer security strategies integrate network security monitoring (NSM): the collection and analysis of data to help you detect and respond to intrusions. In *The Practice of Network Security Monitoring*, Mandiant CSO Richard Bejtlich shows you how to use NSM to add a robust layer of protection around your networks—no prior experience required. To help you avoid costly and inflexible solutions, he teaches you how to deploy, build, and run an NSM operation using open source software and vendor-neutral tools. You'll learn how to: –Determine where to deploy NSM platforms, and size them for the monitored networks –Deploy stand-alone or distributed NSM installations –Use command line and graphical packet analysis tools, and NSM consoles –Interpret network evidence from server-side and client-side intrusions –Integrate threat intelligence into NSM software to identify sophisticated adversaries There's no foolproof way to keep attackers out of your network. But when they get in, you'll be prepared. *The Practice of Network Security Monitoring* will show you how to build a security net to detect, contain, and control them. Attacks are inevitable, but losing sensitive data shouldn't be.

Operating System Forensics is the first book to cover all three critical operating systems for digital forensic investigations in one comprehensive reference. Users will learn how to conduct successful digital forensic examinations in Windows, Linux, and Mac OS, the methodologies used, key technical concepts, and the tools needed to perform examinations. Mobile operating systems such as Android, iOS, Windows, and Blackberry are also covered, providing everything practitioners need to conduct a forensic investigation of the most commonly used operating systems, including technical details of how each operating system works and how to find artifacts. This book walks you through the critical components of investigation and operating system functionality, including file systems, data recovery, memory forensics, system configuration, Internet access, cloud computing, tracking artifacts, executable layouts, malware, and log files. You'll find coverage of key technical topics like Windows Registry, /etc directory, Web browsers caches, Mbox, PST files, GPS data, ELF, and more. Hands-on exercises in each chapter drive home the concepts covered in the book. You'll get everything you need for a successful forensics examination, including incident response tactics and legal requirements. *Operating System Forensics* is the only place you'll find all this covered in one book. Covers digital forensic investigations of the three major operating systems, including Windows, Linux, and Mac OS Presents the technical details of each operating system, allowing users to find artifacts that might be missed using automated tools Hands-on exercises drive home key concepts covered in the book. Includes discussions of cloud, Internet, and major mobile operating systems such as Android and iOS

"*Digital Evidence and Computer Crime*" provides the knowledge necessary to uncover and use digital evidence effectively in any kind of investigation. This completely updated edition provides the introductory materials that new students require, and also expands on the material presented in previous editions to help students develop these skills.

The Basics of Digital Forensics The Primer for Getting Started in Digital Forensics Syngress Press

Digital Forensics for Legal Professionals provides you with a guide to digital technology forensics in plain English. In the authors' years of experience in working with attorneys as digital forensics experts, common questions arise again and again: "What do I ask for?? "Is the evidence relevant?? "What does this item in the forensic report mean?? "What should I ask the other expert?? "What should I ask you?? "Can you explain that to a jury?? This book answers many of those questions in clear language that is understandable by non-technical people. With many illustrations and diagrams that will be usable in court, they explain technical concepts such as unallocated space, forensic copies, timeline artifacts and metadata in simple terms that make these concepts accessible to both attorneys and juries. The authors also explain how to determine what evidence to ask for, evidence might be that could be discoverable, and the methods for getting to it including relevant subpoena and motion language. Additionally, this book provides an overview of the current state of digital forensics, the right way to select a qualified expert, what to expect from a qualified expert and how to properly use experts before and during trial. Includes a companion Web site with: courtroom illustrations, and examples of discovery motions Provides examples of direct and cross examination questions for digital evidence Contains a reference of definitions of digital forensic terms, relevant case law, and resources for the attorney

Cyber Warfare Techniques, Tactics and Tools for Security Practitioners provides a comprehensive look at how and why digital warfare is waged. This book explores the participants, battlefields, and the tools and techniques used during today's digital conflicts. The concepts discussed will give students of information security a better idea of how cyber conflicts are carried out now, how they will change in the future, and how to detect and defend against espionage, hacktivism, insider threats and non-state actors such as organized criminals and terrorists. Every one of our systems is under attack from multiple vectors - our defenses must be ready all the time and our alert systems must detect the threats every time. This book provides concrete examples and real-world guidance on how to identify and defend a network against malicious attacks. It considers relevant technical and factual information from an insider's point of view, as well as the ethics, laws and consequences of cyber war and how computer criminal law may change as a result.

Starting with a definition of cyber warfare, the book's 15 chapters discuss the following topics: the cyberspace battlefield; cyber doctrine; cyber warriors; logical, physical, and psychological weapons; computer network exploitation; computer network attack and defense; non-state actors in computer network operations; legal system impacts; ethics in cyber warfare; cyberspace challenges; and the future of cyber war. This book is a valuable resource to those involved in cyber warfare activities, including policymakers, penetration testers, security professionals, network and systems administrators, and college instructors. The information provided on cyber tactics and attacks can also be used to assist in developing improved and more efficient procedures and technical defenses. Managers will find the text useful in improving the overall risk management strategies for their organizations. Provides concrete examples and real-world

guidance on how to identify and defend your network against malicious attacks Dives deeply into relevant technical and factual information from an insider's point of view Details the ethics, laws and consequences of cyber war and how computer criminal law may change as a result

Methodological Advances in Educational Effectiveness Research is an important new work by some of the leading researchers in the field of Educational Effectiveness Research (EER). The book provides a state of the art snapshot of the methodology of EER now and clearly demonstrates the way it is applied in both research and evaluation. It shows how developments in the research methodology area such as the use of multilevel modelling approaches to analyse nested data have promoted the knowledge-base of educational effectiveness. But at the same time, as the authors show, the knowledge-base of educational effectiveness and the attempt to establish theoretical models do paradoxically challenge the development of methodologically appropriate studies including ways of analysing data. Guiding readers through the effective and appropriate use in educational effectiveness of: Longitudinal Studies Experimental Studies Mixed Research Methods Meta-analyses of effectiveness studies Using IRT to measure outcomes and factors Using Generalisability Theory to test the quality of data Multilevel modelling , and Structural Equation Modelling Techniques The authors draw in the expertise of scholars from around the world to show the mathematical background of each technique, the current and future applications, and Specific examples of applying this orientation to help the readers design their own effectiveness studies using specific methodological tools.

Learn how to use AccessData's Forensic Toolkit (FTK) while mastering the fundamentals of digital forensics Digital Forensics with the AccessData Forensic Toolkit (FTK) provides a comprehensive review of essential digital forensics concepts and builds on this information to teach you how to conduct digital investigations with AccessData's FTK—the industry-standard, court-accepted digital investigations platform. Part I covers the technology all digital forensics investigators need to understand, specifically data, storage media, file systems, and registry files. Part II explains how best to use FTK 5 tools, including FTK imager, FTK registry viewer, and the Password Recovery Toolkit (PRTK), to conduct legally defensible investigations. Written by a digital forensics expert and AccessData instructor Perfect self-study guide for the AccessData Certified Examiner (ACE) exam "Kit Trick" notes highlight best practices for using FTK "Case File" sidebars feature insights from actual digital forensic investigators

A practical approach to understanding social work concepts in action that integrates theory and practice In this updated edition of the classic social work text, students and instructors have access to real-world demonstrations of how social work theories and concepts can be applied in practice. The case studies in this book bridge the gap between the classroom and the field by allowing students to discover the when, why, and how of social work principles. Brief but comprehensive topic overviews are brought to life by case studies that apply general theories to the work of social work. Each of the book's nine sections cover an essential area of social work, encompassing the micro, mezzo, and macro levels Highly readable explanations are followed by 3-5 case studies relating theory to the living practice of real social workers Topics include Generalist Practice; Family Therapy, Treatment of Adults; and Diversity Approaching each topic from a variety of different theoretical bases, this essential text allow students to learn by concrete example, experiencing social work concepts as they are applied in the profession today.

"Incident Response is a complete guide for organizations of all sizes and types who are addressing their computer security issues."--Jacket.

Social engineering attacks target the weakest link in an organization's security human beings. Everyone knows these attacks are effective, and everyone knows they are on the rise. Now, Social Engineering Penetration Testing gives you the practical methodology and everything you need to plan and execute a social engineering penetration test and assessment. You will gain fascinating insights into how social engineering techniques including email phishing, telephone pretexting, and physical vectors can be used to elicit information or manipulate individuals into performing actions that may aid in an attack. Using the book's easy-to-understand models and examples, you will have a much better understanding of how best to defend against these attacks. The authors of Social Engineering Penetration Testing show you hands-on techniques they have used at RandomStorm to provide clients with valuable results that make a real difference to the security of their businesses. You will learn about the differences between social engineering pen tests lasting anywhere from a few days to several months. The book shows you how to use widely available open-source tools to conduct your pen tests, then walks you through the practical steps to improve defense measures in response to test results. Understand how to plan and execute an effective social engineering assessment Learn how to configure and use the open-source tools available for the social engineer Identify parts of an assessment that will most benefit time-critical engagements Learn how to design target scenarios, create plausible attack situations, and support various attack vectors with technology Create an assessment report, then improve defense measures in response to test results

This volume shows law enforcement, system administrators, information technology security professionals, legal professionals, and computer forensics students how to identify, collect, and maintain digital artifacts to preserve their reliability as evidence. It focuses on the first two phases of computer forensics--collection and preservation--and uses evidence dynamics as its main approach. This edition has been updated to take into account changes in federal rules of evidence and case law, as well as changes in the industry and technology. The CD-ROM contains sample batch files, forms, and demo and freeware software applications discussed in the book. Brown (network security and computer forensics, U. of California at San Diego) retired from the US Navy in the area of information warfare and network security operations.

If engineering is the art and science of technical problem solving, systems architecting happens when you don't yet know what the problem is. The third edition of a highly respected bestseller, The Art of Systems Architecting provides in-depth coverage of the least understood part of systems design: moving from a vague concept and limited resources to a

satisfactory and feasible system concept and an executable program. The book provides a practical, heuristic approach to the "art" of systems architecting. It provides methods for embracing, and then taming, the growing complexity of modern systems. New in the Third Edition: Five major case studies illustrating successful and unsuccessful practices Information on architecture frameworks as standards for architecture descriptions New methods for integrating business strategy and architecture and the role of architecture as the technical embodiment of strategy Integration of process guidance for organizing and managing architecture projects Updates to the rapidly changing fields of software and systems-of-systems architecture Organization of heuristics around a simple and practical process model A Practical Heuristic Approach to the Art of Systems Architecting Extensively rewritten to reflect the latest developments, the text explains how to create a system from scratch, presenting invention/design rules together with clear explanations of how to use them. The author supplies practical guidelines for avoiding common systematic failures while implementing new mandates. He uses a heuristics-based approach that provides an organized attack on very ill-structured engineering problems. Examining architecture as more than a set of diagrams and documents, but as a set of decisions that either drive a system to success or doom it to failure, the book provide methods for integrating business strategy with technical architectural decision making.

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.

"This resource book discusses the economic arguments that could (and could not) be put forth to support the case for investing in the social determinants of health on average and in the reduction in socially determined health inequalities. It provides an overview and introduction into how economists would approach the assessment of the economic motivation to invest in the social determinants of health and socially determined health inequities, including what the major challenges are in this assessment. It illustrates the extent to which an economic argument can be made in favour of investment in 3 major social determinants of health areas: education, social protection, and urban development and infrastructure. It describes whether education policy, social protection, and urban development, housing and transport policy can act as health policy"--

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.

Digital Triage Forensics: Processing the Digital Crime Scene provides the tools, training, and techniques in Digital Triage Forensics (DTF), a procedural model for the investigation of digital crime scenes including both traditional crime scenes and the more complex battlefield crime scenes. The DTF is used by the U.S. Army and other traditional police agencies for current digital forensic applications. The tools, training, and techniques from this practice are being brought to the public in this book for the first time. Now corporations, law enforcement, and consultants can benefit from the unique perspectives of the experts who coined Digital Triage Forensics. The text covers the collection of digital media and data from cellular devices and SIM cards. It also presents outlines of pre- and post- blast investigations. This book is divided into six chapters that present an overview of the age of warfare, key concepts of digital triage and battlefield forensics, and methods of conducting pre/post-blast investigations. The first chapter considers how improvised explosive devices (IEDs) have changed from basic booby traps to the primary attack method of the insurgents in Iraq and Afghanistan. It also covers the emergence of a sustainable vehicle for prosecuting enemy combatants under the Rule of Law in Iraq as U.S. airmen, marines, sailors, and soldiers perform roles outside their normal military duties and responsibilities. The remaining chapters detail the benefits of DTF model, the roles and responsibilities of the weapons intelligence team (WIT), and the challenges and issues of collecting digital media in battlefield situations. Moreover, data collection and processing as well as debates on the changing role of digital forensics investigators are explored. This book will be helpful to forensic scientists, investigators, and military personnel, as well as to students and beginners in forensics. Includes coverage on collecting digital media Outlines pre- and post-blast investigations Features content on collecting data from cellular devices and SIM cards

The Basics of Digital Forensics provides a foundation for people new to the digital forensics field. This book teaches you how to conduct examinations by discussing what digital forensics is, the methodologies used, key tactical concepts, and the tools needed to perform examinations. Details on digital forensics for computers, networks, cell phones, GPS, the cloud and the Internet are discussed. Also, learn how to collect evidence, document the scene, and how deleted data can be recovered. The new Second Edition of this book provides you with completely up-to-date real-world examples and all the key technologies used in digital forensics, as well as new coverage of network intrusion response, how hard drives are organized, and electronic discovery. You'll also learn how to incorporate quality assurance into an investigation, how to prioritize evidence items to examine (triage), case processing, and what goes into making an expert witness. The Second Edition also features expanded resources and references, including online resources that keep you current, sample legal documents, and suggested further reading. Learn what Digital Forensics entails Build a toolkit and prepare an investigative plan Understand the common artifacts to look for in an exam Second Edition features all-new coverage of hard drives, triage, network intrusion response, and electronic discovery; as well as updated case studies, expert interviews, and expanded resources and references

Digital Forensics Trial Graphics: Teaching the Jury Through Effective Use of Visuals helps digital forensic practitioners explain complex technical material to laypeople (i.e., juries, judges, etc.). The book includes professional quality illustrations of technology that help anyone understand the complex concepts behind the science. Users will find invaluable information on theory and best practices along with guidance on how to design and deliver successful explanations. Helps users learn skills for the effective presentation of digital forensic evidence via graphics in a trial setting to laypeople such as juries and judges Presents the principles of visual learning and graphic design as a foundation for developing effective visuals Demonstrates the best practices of slide design to develop effective visuals for presentation of evidence Professionally developed graphics, designed specifically for digital forensics, that you can use at trial Downloadable graphics available at: <http://booksite.elsevier.com/9780128034835>

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