investigators guide to steganography 1st edition by kipper gregory published by auerbach publications

#steganography #investigator's guide #Kipper Gregory #digital forensics #cyber security

The 'Investigators Guide to Steganography, 1st Edition' by Kipper Gregory, published by Auerbach Publications, is an essential resource for professionals. This comprehensive guide offers insights into detecting and understanding hidden data techniques, making it invaluable for cyber security, digital forensics, and information security investigations.

Investigator's Guide to Steganography

Investigators within the law enforcement and cyber forensics communities are generally aware of the concept of steganography, but their levels of expertise vary dramatically depending upon the incidents and cases that they have been exposed to. Now there is a book that balances the playing field in terms of awareness, and serves as a valuable refer

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Cyber Crime Investigator's Field Guide

Many excellent hardware and software products exist to protect our data communications sytems, but security threats dictate that they must be further enhanced. Many laws implemented during the past 15 years have provided law enforcement with more teeth to take a bite out of cyber crime, but there is still a need for individuals who know how to inve

Official (ISC)2® Guide to the CISSP®-ISSEP® CBK®

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The Security Risk Assessment Handbook

The Security Risk Assessment Handbook: A Complete Guide for Performing Security Risk Assessments provides detailed insight into precisely how to conduct an information security risk assessment. Designed for security professionals and their customers who want a more in-depth understanding of the risk assessment process, this volume contains real-wor

Building and Implementing a Security Certification and Accreditation Program

Building and Implementing a Security Certification and Accreditation Program: Official (ISC)2 Guide to the CAP CBK demonstrates the practicality and effectiveness of certification and accreditation (C&A) as a risk management methodology for IT systems in both public and private organizations. It provides security professiona

Information Security Management Handbook, Volume 3

Since 1993, the Information Security Management Handbook has served not only as an everyday reference for information security practitioners but also as an important document for conducting the intense review necessary to prepare for the Certified Information System Security Professional (CISSP) examination. Now completely revised and updated and i

Enhancing Computer Security with Smart Technology

Divided into two major parts, Enhancing Computer Security with Smart Technology introduces the problems of computer security to researchers with a machine learning background, then introduces machine learning concepts to computer security professionals. Realizing the massive scope of these subjects, the author concentrates on problems related to the detection of intrusions through the application of machine learning methods and on the practical algorithmic aspects of machine learning and its role in security. A collection of tutorials that draw from a broad spectrum of viewpoints and experience, this volume is made up of chapters written by specialists in each subject field. It is accessible to any professional with a basic background in computer science. Following an introduction to the issue of cyber-security and cyber-trust, the book offers a broad survey of the state-of-the-art in firewall technology and of the importance of Web application security. The remainder of the book focuses on the use of machine learning methods and tools and their performance.

Information Security Management Handbook, Fifth Edition

Since 1993, the Information Security Management Handbook has served not only as an everyday reference for information security practitioners but also as an important document for conducting the intense review necessary to prepare for the Certified Information System Security Professional (CISSP) examination. Now completely revised and updated and in its fifth edition, the handbook maps the ten domains of the Information Security Common Body of Knowledge and provides a complete understanding of all the items in it. This is a ...must have... book, both for preparing for the CISSP exam and as a comprehensive, up-to-date reference.

A Practical Guide to Security Assessments

The modern dependence upon information technology and the corresponding information security regulations and requirements force companies to evaluate the security of their core business processes, mission critical data, and supporting IT environment. Combine this with a slowdown in IT spending

resulting in justifications of every purchase, and security professionals are forced to scramble to find comprehensive and effective ways to assess their environment in order to discover and prioritize vulnerabilities, and to develop cost-effective solutions that show benefit to the business. A Practical Guide to Security Assessments is a process-focused approach that presents a structured methodology for conducting assessments. The key element of the methodology is an understanding of business goals and processes, and how security measures are aligned with business risks. The guide also emphasizes that resulting security recommendations should be cost-effective and commensurate with the security risk. The methodology described serves as a foundation for building and maintaining an information security program. In addition to the methodology, the book includes an Appendix that contains questionnaires that can be modified and used to conduct security assessments. This guide is for security professionals who can immediately apply the methodology on the job, and also benefits management who can use the methodology to better understand information security and identify areas for improvement.

Information Security Risk Analysis, Second Edition

The risk management process supports executive decision-making, allowing managers and owners to perform their fiduciary responsibility of protecting the assets of their enterprises. This crucial process should not be a long, drawn-out affair. To be effective, it must be done quickly and efficiently. Information Security Risk Analysis, Second Edition enables CIOs, CSOs, and MIS managers to understand when, why, and how risk assessments and analyses can be conducted effectively. This book discusses the principle of risk management and its three key elements: risk analysis, risk assessment, and vulnerability assessment. It examines the differences between quantitative and qualitative risk assessment, and details how various types of qualitative risk assessment can be applied to the assessment process. The text offers a thorough discussion of recent changes to FRAAP and the need to develop a pre-screening method for risk assessment and business impact analysis.

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Investigations in the Workplace

Whether you are a professional licensed investigator or have been tasked by your employer to conduct an internal investigation, Investigations in the Workplace gives you a powerful mechanism for engineering the most successful workplace investigations possible. Corporate investigator Eugene Ferraro, CPP, CFE has drawn upon his twenty-four years of

Information Security Policies and Procedures

Information Security Policies and Procedures: A Practitioner‘s Reference, Second Edition illustrates how policies and procedures support the efficient running of an organization. This book is divided into two parts, an overview of security policies and procedures, and an information security reference guide. This volume points out how securi

The Practical Guide to HIPAA Privacy and Security Compliance

HIPAA is very complex. So are the privacy and security initiatives that must occur to reach and maintain HIPAA compliance. Organizations need a quick, concise reference in order to meet HIPAA requirements and maintain ongoing compliance. The Practical Guide to HIPAA Privacy and Security Compliance is a one-stop resource for real-world HIPAA

Information Security Management Handbook on CD-ROM, 2006 Edition

The need for information security management has never been greater. With constantly changing technology, external intrusions, and internal thefts of data, information security officers face threats

at every turn. The Information Security Management Handbook on CD-ROM, 2006 Edition is now available. Containing the complete contents of the Information Security Management Handbook, this is a resource that is portable, linked and searchable by keyword. In addition to an electronic version of the most comprehensive resource for information security management, this CD-ROM contains an extra volume's worth of information that is not found anywhere else, including chapters from other security and networking books that have never appeared in the print editions. Exportable text and hard copies are available at the click of a mouse. The Handbook's numerous authors present the ten domains of the Information Security Common Body of Knowledge (CBK) ®. The CD-ROM serves as an everyday reference for information security practitioners and an important tool for any one preparing for the Certified Information System Security Professional (CISSP) ® examination. New content to this Edition: Sensitive/Critical Data Access Controls Role-Based Access Control Smartcards A Guide to Evaluating Tokens Identity Management-Benefits and Challenges An Examination of Firewall Architectures The Five "W's" and Designing a Secure Identity Based Self-Defending Network Maintaining Network Security-Availability via Intelligent Agents PBX Firewalls: Closing the Back Door Voice over WLAN Spam Wars: How to Deal with Junk E-Mail Auditing the Telephony System: Defenses against Communications Security Breaches and Toll Fraud The "Controls" Matrix Information Security Governance

Information Security Risk Analysis

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Assessing and Managing Security Risk in IT Systems

Assessing and Managing Security Risk in IT Systems: A Structured Methodology builds upon the original McCumber Cube model to offer proven processes that do not change, even as technology evolves. This book enables you to assess the security attributes of any information system and implement vastly improved security environments. Part I deliv

Information Security Architecture

Information Security Architecture, Second Edition incorporates the knowledge developed during the past decade that has pushed the information security life cycle from infancy to a more mature, understandable, and manageable state. It simplifies security by providing clear and organized methods and by guiding you to the most effective resources avai

The Ethical Hack

There are many books that detail tools and techniques of penetration testing, but none of these effectively communicate how the information gathered from tests should be analyzed and implemented. Until recently, there was very little strategic information available to explain the value of ethical hacking and how tests should be performed in order t

Public Key Infrastructure

With the recent Electronic Signatures in Global and National Commerce Act, public key cryptography, digital signatures, and digital certificates are finally emerging as a ubiquitous part of the Information Technology landscape. Although these technologies have been around for over twenty years, this legislative move will surely boost e-commerce act

Information Security Fundamentals

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.

Curing the Patch Management Headache

A comprehensive security patch management process is one of the fundamental security requirements for any IT-dependent organization. Fully defining this process ensures that patches are deployed in an organized, staged manner, resulting in little or no slowdowns or downtime to network infrastructure. Until now, there were no technical books for com

Wireless Security Handbook

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

Virtualization and Forensics

Virtualization and Forensics: A Digital Forensic Investigators Guide to Virtual Environments offers an in-depth view into the world of virtualized environments and the implications they have on forensic investigations. Named a 2011 Best Digital Forensics Book by InfoSec Reviews, this guide gives you the end-to-end knowledge needed to identify server, desktop, and portable virtual environments, including: VMware, Parallels, Microsoft, and Sun. It covers technological advances in virtualization tools, methods, and issues in digital forensic investigations, and explores trends and emerging technologies surrounding virtualization technology. This book consists of three parts. Part I explains the process of virtualization and the different types of virtualized environments. Part II details how virtualization interacts with the basic forensic process, describing the methods used to find virtualization artifacts in dead and live environments as well as identifying the virtual activities that affect the examination process. Part III addresses advanced virtualization issues, such as the challenges of virtualized environments, cloud computing, and the future of virtualization. This book will be a valuable resource for forensic investigators (corporate and law enforcement) and incident response professionals. Named a 2011 Best Digital Forensics Book by InfoSec Reviews Gives you the end-to-end knowledge needed to identify server, desktop, and portable virtual environments, including: VMware, Parallels, Microsoft, and Sun Covers technological advances in virtualization tools, methods, and issues in digital forensic investigations Explores trends and emerging technologies surrounding virtualization technology

Managing an Information Security and Privacy Awareness and Training Program

Managing an Information Security and Privacy Awareness and Training Program provides a starting point and an all-in-one resource for infosec and privacy education practitioners who are building programs for their organizations. The author applies knowledge obtained through her work in education, creating a comprehensive resource of nearly everything involved with managing an infosec and privacy training course. This book includes examples and tools from a wide range of businesses, enabling readers to select effective components that will be beneficial to their enterprises. The text progresses from the inception of an education program through development, implementation, delivery, and evaluation.

Official (ISC)2 Guide to the CISSP CBK

The urgency for a global standard of excellence for those who protect the networked world has never been greater. (ISC)2 created the information security industry’s first and only CBK®, a global compendium of information security topics. Continually updated to incorporate rapidly changing technologies and threats, the CBK continues to serve as the basis for (ISC)2’s education and certification

programs. Unique and exceptionally thorough, the Official (ISC)2® Guide to the CISSP®CBK®provides a better understanding of the CISSP CBK — a collection of topics relevant to information security professionals around the world. Although the book still contains the ten domains of the CISSP, some of the domain titles have been revised to reflect evolving terminology and changing emphasis in the security professional's day-to-day environment. The ten domains include information security and risk management, access control, cryptography, physical (environmental) security, security architecture and design, business continuity (BCP) and disaster recovery planning (DRP), telecommunications and network security, application security, operations security, legal, regulations, and compliance and investigations. Endorsed by the (ISC)2, this valuable resource follows the newly revised CISSP CBK, providing reliable, current, and thorough information. Moreover, the Official (ISC)2® Guide to the CISSP® CBK® helps information security professionals gain awareness of the requirements of their profession and acquire knowledge validated by the CISSP certification. The book is packaged with a CD that is an invaluable tool for those seeking certification. It includes sample exams that simulate the actual exam, providing the same number and types of questions with the same allotment of time allowed. It even grades the exam, provides correct answers, and identifies areas where more study is needed.

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American Book Publishing Record

The world of Internet law is constantly changing and is difficult to follow, even for those for whom doing so is a full-time job. This updated, everything-you-need-to-know reference removes the uncertainty. Internet and the Law: Technology, Society, and Compromises, Second Edition is the go-to source for anyone who needs clear explanations of complex legal concepts related to online practices and content. This wide-ranging, alphabetical reference explores diverse areas of law, including territorial jurisdiction and taxation, that are relevant to or affected by advances in information technology and the rise of the Internet. Particular emphasis is placed on intellectual property law and laws regarding freedom of expression. The Internet, as this book shows, raises questions not only about how to protect intellectual creations, but about what should be protected. Entries also discuss how the Web has brought First Amendment rights and free expression into question as society grapples with attempts to control "leaks" and to restrict content such as pornography, spam, defamation, and criminal speech.

Internet and the Law

This book explains the methodologies, framework, and "unwritten conventions" that ethical hacks should employ to provide the maximum value to organizations that want to harden their security. It goes beyond the technical aspects of penetration testing to address the processes and rules of engagement for successful tests. The text examines testing from a strategic perspective to show how testing ramifications affect an entire organization. Security practitioners can use this book to reduce their exposure and deliver better service, while organizations will learn how to align the information about tools, techniques, and vulnerabilities that they gather from testing with their business objectives.

Forthcoming Books

Security is always a concern with any new technology. When we think security we typically think of stopping an attacker from breaking in or gaining access. From short text messaging to investigating war, this book explores all aspects of wireless technology, including how it is used in daily life and how it might be used in the future. It provides a one-stop resource on the types of wireless crimes that are being committed and the forensic investigation techniques that are used for wireless devices and wireless networks. The author provides a solid understanding of modern wireless technologies, wireless security techniques, and wireless crime techniques, and shows how to conduct forensic analysis on wireless devices and networks. Each chapter, while part of a greater whole, is self-contained for quick comprehension.

The Ethical Hack

When you first hear the term Information Assurance you tend to conjure up an image of a balanced set of reasonable measures that have been taken to protect the information after an assessment has been made of risks that are posed to it. In truth this is the Holy Grail that all organisations that value their information should strive to achieve, but which few even understand. Information Assurance is a term that has recently come into common use. When talking with old timers in IT (or at least those that are over 35 years old), you will hear them talking about information security, a term that has survived since the birth of the computer. In the more recent past, the term Information Warfare was coined to describe the measures that need to be taken to defend and attack information. This term, however, has military connotations - after all, warfare is normally their domain. Shortly after the term came into regular use, it was applied to a variety of situations encapsulated by Winn Schwartau as the three classes of Information Warfare: Class 1- Personal Information Warfare. Class 2 - Corporate Information Warfare. Class 3 - Global Information Warfare. Political sensitivities lead to "warfare" being replaced by "operations\

Wireless Crime and Forensic Investigation

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Information Assurance

With the explosive growth in mobile phone usage and rapid rise in search engine technologies over the last decade, augmented reality (AR) is poised to be one of this decade's most disruptive technologies, as the information that is constantly flowing around us is brought into view, in real-time, through augmented reality. In this cutting-edge book, the authors outline and discuss never-before-published information about augmented reality and its capabilities. With coverage of mobile, desktop, developers, security, challenges, and gaming, this book gives you a comprehensive understanding of what augmented reality is, what it can do, what is in store for the future and most importantly: how to benefit from using AR in our lives and careers. Educates readers how best to use augmented reality regardless of industry Provides an in-depth understanding of AR and ideas ranging from new business applications to new crime fighting methods Includes actual examples and case studies from both private and government application

Official (ISC)2® Guide to the CISSP®-ISSEP® CBK®

Understand the building blocks of covert communication in digital media and apply the techniques in practice with this self-contained guide.

Augmented Reality

Now a major motion picture nominated for nine Academy Awards. Narrative of Solomon Northup, a Citizen of New-York, Kidnapped in Washington City in 1841, and Rescued in 1853. Twelve Years a Slave by Solomon Northup is a memoir of a black man who was born free in New York state but kidnapped, sold into slavery and kept in bondage for 12 years in Louisiana before the American Civil War. He provided details of slave markets in Washington, DC, as well as describing at length cotton cultivation on major plantations in Louisiana.

Steganography in Digital Media

Invasion Ecology is the second volume in the four-part Environmental Inquiry curriculum series, designed to show students how to apply scientific knowledge to solving real-life problems.

Twelve Years a Slave

Investigative computer forensics is playing an increasingly important role in the resolution of challenges, disputes, and conflicts of every kind and in every corner of the world. Yet, for many, there is still great apprehension when contemplating leveraging these emerging technologies, preventing them from making the most of investigative computer forensics and its extraordinary potential to dissect everything from common crime to sophisticated corporate fraud. Empowering you to make tough and

informed decisions during an internal investigation, electronic discovery exercise, or while engaging the capabilities of a computer forensic professional, Investigative Computer Forensics explains the investigative computer forensic process in layman's terms that users of these services can easily digest. Computer forensic/e-discovery expert and cybercrime investigator Erik Laykin provides readers with a cross section of information gleaned from his broad experience, covering diverse areas of knowledge and proficiency from the basics of preserving and collecting evidence through to an examination of some of the future shaping trends that these technologies are having on society. Investigative Computer Forensics takes you step by step through: Issues that are present-day drivers behind the converging worlds of business, technology, law, and fraud Computers and networks—a primer on how they work and what they are Computer forensic basics, including chain of custody and evidence handling Investigative issues to know about before hiring a forensic investigator Managing forensics in electronic discovery How cyber-firefighters defend against cybercrime and other malicious online activity Emerging standards of care in the handling of electronic evidence Trends and issues affecting the future of the information revolution and society as a whole Thoroughly researched and practical, Investigative Computer Forensics helps you—whether attorney, judge, businessperson, or accountant—prepare for the forensic computer investigative process, with a plain-English look at the complex terms, issues, and risks associated with managing electronic data in investigations and discovery.

Invasion Ecology

Investigative Computer Forensics