

Handbook Of Computer Crime Investigation Forensic Tools And Technology

Investigating Computer-Related Crime Handbook of Computer Crime Investigation Forensic Computer Crime Investigation The Investigator's Guide to Computer Crime Investigating Computer Crime Handbook of Computer Crime Investigation Computer Forensics Investigating Computer Crime Computer Crime Investigation Cybercrime Investigators Handbook Forensic Computer Crime Investigation Digital Evidence and Computer Crime Beginner's Guide for Cybercrime Investigators Cyber Crime Investigations Digital Crime Investigation The Development and Evaluation of a Computer Crime Investigative Distance-learning Program for the National Cybercrime Training Partnership Software Forensics Cyber Crime Investigator's Field Guide Organizing for Computer Crime Investigation and Prosecution Computer Crime, Investigation, and the Law Peter Stephenson Eoghan Casey Thomas A. Johnson Carl J. Franklin Ronald L. Mendell Eoghan Casey John R. Vacca Franklin Clark Catherine H. Conly Graeme Edwards Thomas A. Johnson Eoghan Casey Nicolae Sfetcu James Steele Benild Joseph Richard Gissel Robert Slade Bruce Middleton Catherine H. Conly Chuck Easttom

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since the last edition of this book was written more than a decade ago cybercrime has evolved motives have not changed but new means and opportunities have arisen with the advancement of the digital age investigating computer related crime second edition incorporates the results of research and practice in a variety of venues growth in the fi

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

the digital age offers many far reaching opportunities opportunities that allow for fast global communications efficient business transactions and stealthily executed cyber crimes featuring contributions from digital forensic experts the editor of forensic computer crime investigation presents a vital resource that outlines the latest strategi

annotation with the acceptance of computers in our everyday life a new line of crime has emerged revolving around the computer just as computers make daily transactions more efficient they have also made many crimes more efficient this trend is likely to continue and for that reason alone police investigators should make themselves better prepared for computer related crime investigations divided into four sections this book proposes theoretical and practical information interventions directives and ideas this text will be a useful resource for law enforcement professionals criminal justice students security professionals and private business book jacket title summary field provided by blackwell north america inc all rights reserved

emphasizes traditional investigative skills as the key to solving computer crimes builds on a foundation of fundamental investigative methods such as observation and logic to cover topics including retail computer security crimes arising from e mail and the internet and intelligence gathering techniques discusses how to establish evidence of a crime how to develop the case for prosecution and how to prove damages for students and professionals in security and law enforcement paper edition unseen 30 95 annotation copyrighted by book news inc portland or

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provides an overview and case studies of computer crimes and discusses topics including data recovery evidence collection preservation of digital evidence information warfare and the cyber underground

investigating computer crime presents practical methods for gathering electronic evidence and dealing with crimes involving computers based on material gathered from hundreds of investigators all over the world it contains an incredible amount of practical directly applicable information it follows a step by step approach to the investigation seizure and evaluation of computer evidence the material in the book has been used at the federal law enforcement training center and the canadian police college for teaching computer classes in white collar crime and sex crime investigations and by u s army intelligence in cooperation with nato in europe it has also been used to teach a one week course in computer crime investigation to agents from the irs secret service and state and local agencies computers reach into every aspect of our lives today and as their use grows so does the possibility of their abuse this book is directly applicable and useful to virtually everyone working in all aspects of law enforcement from attorneys to police investigators from judges to students of criminology this book guides you step by step through computer crime investigation don t be without this powerful tool for fighting this new form of crime

the investigator s practical guide for cybercrime evidence identification and collection cyber attacks perpetrated against businesses governments organizations and individuals have been occurring for decades many attacks are discovered only after the data has been exploited or sold on the criminal markets cyber attacks damage both the finances and reputations of businesses and cause damage to the ultimate victims of the crime from the perspective of the criminal the current state of inconsistent security policies and lax investigative procedures is a profitable and low risk opportunity for cyber attacks they can cause immense harm to individuals or businesses online and make large sums of money safe in the knowledge that the victim will rarely report the matter to the police for those tasked with probing such crimes in the field information on investigative methodology is scarce the cybercrime investigators handbook is an innovative guide that approaches cybercrime investigation from the field practitioner s perspective while there are high quality manuals for conducting digital examinations on a device or network that has been hacked the cybercrime investigators handbook is the first guide on how to commence an investigation from the location the offence occurred the scene of the cybercrime and collect the evidence necessary to locate and prosecute the offender this valuable contribution to the field teaches readers to locate lawfully seize preserve examine interpret and manage the technical evidence that is vital for effective cybercrime investigation fills the need for a field manual for front line cybercrime investigators provides practical guidance with clear easy to understand language approaches cybercrime form the perspective of the field practitioner helps companies comply with new gdpr guidelines offers expert advice from a law enforcement professional who specializes in cybercrime investigation and it security cybercrime investigators handbook is much needed resource for law enforcement and cybercrime investigators cfo s it auditors fraud investigators and other practitioners in related areas

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digital evidence and computer crime third edition provides the knowledge necessary to uncover and use digital evidence effectively in any kind of investigation it offers a thorough explanation of how computer networks function how they can be involved in crimes and how they can be used as a source of evidence in particular it addresses the abuse of computer networks as well as privacy and security issues on computer networks this updated edition is organized into five parts part 1 is about digital forensics and covers topics ranging from the use of digital evidence in the courtroom to cybercrime law part 2 explores topics such as how digital investigations are conducted handling a digital crime scene and investigative reconstruction with digital evidence part 3 deals with apprehending offenders whereas part 4 focuses on the use of computers in digital investigation the book concludes with part 5 which includes the application of forensic science to networks new to this edition are updated information on dedicated to networked windows unix and macintosh computers as well as personal digital assistants coverage of developments in related technology and tools updated language for search warrant and coverage of legal developments in the us impacting computer forensics and discussion of legislation from other countries to provide international scope there are detailed case examples that demonstrate key concepts and give students a practical applied understanding of the topics along with ancillary materials that include an instructor s manual and powerpoint slides this book will prove valuable to computer forensic students and professionals lawyers law enforcement and government agencies irs fbi cia ccips etc named the 2011 best digital forensics book by infosec reviews provides a thorough explanation of how computers networks function how they can be involved in crimes and how they can be used as evidence features coverage of the abuse of computer networks and privacy and security issues on computer networks

in the real world there are people who enter the homes and steal everything they find valuable in the virtual world there are individuals who penetrate computer systems and steal all your valuable data just as in the real world there are uninvited guests and people feel happy when they steal or destroy someone else s property the computer world could not be deprived of this unfortunate phenomenon it is truly detestable the perfidy of these attacks for if it can be observed immediately the apparent lack of box jewelry penetration of an accounting server can be detected after a few months when all clients have given up the company services because of the stolen data came to competition and have helped it to make best deals cybercrime is a phenomenon of our time often reflected in the media forensic investigation of computer systems has a number of features that differentiate it fundamentally from other types of investigations the computer itself is the main source of information for the investigator

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

digital crime investigation written by benild joseph gives an insight to investigators helping them with the background and tools that they need to investigate crime occurring in the digital world this extremely useful guide provides step by step instructions for investigating internet crimes including locating interpreting understanding collecting and documenting online electronic evidence to assist investigations law enforcement departments and security officers all over the world having the responsibility for enforcing investigating and prosecuting cybercrime are overpowered not only with the increasing number of crimes being committed but also by a lack of adequate training material this book provides that fundamental knowledge including how to properly collect and document online evidence trace ip addresses and work undercover

the purpose of this project was to develop and evaluate a computer crime investigative distance learning program for the national cybercrime training partnership it had been alleged that the current training system did not meet the specific needs of individual law enforcement agencies resulting in a lack of computer crime investigators a computer crime investigative distance learning prototype and evaluative instrument were developed to answer each of the five research questions conclusions and recommendations were also included in the study

follow the trail catch the perp from one of the world s foremost investigators of computer viruses comes this comprehensive tutorial on solving cyber crimes and bringing perpetrators to justice author robert m slade s software forensics provides expert instruction in tracking and identifying cybercriminals a professional security consultant to fortune 500 companies since 1987 rob slade teaches you the tools and methods he uses to find the invisible dna on malicious computer code the only comprehensive technical reference on the tools and tactics of cybercrime investigation and prosecution there is no better or faster way for programmers security analysts and consultants security officers in the enterprise application developers lawyers judges and anyone else interested in solving cyber crime to get up to speed on forensic programming tools and methods and the nature of cyber evidence robert m slade s one of a kind software forensics shows you how to learn the technical tools available for identifying and tracking virus creators and other programming miscreants master the techniques and tactics of cyber crime investigation and prosecution analyze source code machine code and text strings to track and identify cyber criminals overcome attempts to misdirect investigations into cyber evidence examine eye opening case studies from real criminal investigations understand enough of the rules of evidence and relevant legal intricacies to make your findings admissible in court learn about the hacker cracker and phreak communities

many excellent hardware and software products exist to protect our data communications systems 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

one can hardly open a newspaper or read news online without seeing another story about a computer related crime we are awash in identity theft online child predators and even cyber espionage it seems overwhelming and people in many different professions find themselves involved with computer crime investigations obviously law enforcement officers are involved but so are network administrators technical support personnel and attorneys if any aspect of your work brings you into contact with computer crime computer crime investigation and the law is for you it begins with a broad introduction to the field of computer crime discussing the history of computer crime basic criminal techniques and the relevant laws next the book walks you through the essentials of computer forensics litigation is also explored such as depositions expert reports trials and even how one can select an appropriate expert witness lastly the book introduces you to the specific techniques that hackers use and even shows you some of the tricks they use to infiltrate computer systems to help you defend against such attacks this section of the book also includes a discussion of communication techniques used by computer criminals with an overview of encryption stenography and hacker slang language computer crime investigation and the law is your gateway into the world of investigating computer crimes

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