

THIRD EDITION

DIGITAL EVIDENCE AND COMPUTER CRIME

FORENSIC SCIENCE, COMPUTERS AND THE INTERNET

E O G H A N C A S E Y



Digital Evidence And Computer Crime Manual

John J. Barbara



Digital Evidence And Computer Crime Manual:

Handbook of Digital Forensics and Investigation Eoghan Casey, 2009-10-07 Handbook of Digital Forensics and Investigation builds on the success of the Handbook of Computer Crime Investigation bringing together renowned experts in all areas of digital forensics and investigation to provide the consummate resource for practitioners in the field. It is also designed as an accompanying text to Digital Evidence and Computer Crime. This unique collection details how to conduct digital investigations in both criminal and civil contexts and how to locate and utilize digital evidence on computers, networks, and embedded systems. Specifically, the Investigative Methodology section of the Handbook provides expert guidance in the three main areas of practice: Forensic Analysis, Electronic Discovery, and Intrusion Investigation. The Technology section is extended and updated to reflect the state of the art in each area of specialization. The main areas of focus in the Technology section are forensic analysis of Windows, Unix, Macintosh, and embedded systems, including cellular telephones and other mobile devices, and investigations involving networks, including enterprise environments and mobile telecommunications technology. This handbook is an essential technical reference and on-the-job guide that IT professionals, forensic practitioners, law enforcement, and attorneys will rely on when confronted with computer-related crime and digital evidence of any kind. Provides methodologies proven in practice for conducting digital investigations of all kinds. Demonstrates how to locate and interpret a wide variety of digital evidence and how it can be useful in investigations. Presents tools in the context of the investigative process, including EnCase, FTK, ProDiscover, foremost, XACT, Network Miner, Splunk, flow tools, and many other specialized utilities and analysis platforms. Case examples in every chapter give readers a practical understanding of the technical, logistical, and legal challenges that arise in real investigations.

Digital Evidence and Computer Crime

Eoghan Casey, 2004-02-23 Digital Evidence and Computer Crime, Second Edition is a hands-on resource that aims to educate students and professionals in the law enforcement, forensic science, computer security, and legal communities about digital evidence and computer crime. This textbook explains how computers and networks function, how they can be involved in crimes, and how they can be used as a source of evidence. In addition to gaining a practical understanding of how computers and networks function and how they can be used as evidence of a crime, students will learn about relevant legal issues and will be introduced to deductive criminal profiling, a systematic approach to focusing an investigation and understanding criminal motivations. Readers will receive unlimited access to the author's accompanying website, which contains simulated cases that integrate many of the topics covered in the text. This text is required reading for anyone involved in computer investigations or computer administration, including computer forensic consultants, law enforcement, computer security professionals, government agencies, IRS, FBI, CIA, Dept of Justice, fraud examiners, system administrators, and lawyers. Provides a thorough explanation of how computers and networks function, how they can be involved in crimes, and how they can be used as a source of evidence. Offers readers information about relevant legal issues. Features coverage of the abuse of

computer networks and privacy and security issues on computer networks *Handbook of Computer Crime Investigation* Eoghan Casey, 2001-10-22 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 *Cyber Forensics Jr.*, Albert Marcella, Robert S. Greenfield, 2002-01-23 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 *The Investigator's Guide to Computer Crime* Carl J. Franklin, 2006 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 *The Encyclopedia of Police Science* Jack R. Greene, 2007 First published in 1996 this work covers all the major sectors of policing in the United States Political events such as the terrorist attacks of September 11 2001 have created new policing needs while affecting public opinion about law enforcement This third edition of the *Encyclopedia* examines the theoretical and practical aspects of law enforcement discussing past and present practices **Cyber Crime and Digital Evidence** Thomas K. Clancy, 2014 **Handbook of Digital and Multimedia Forensic Evidence** John J. Barbara, 2007-12-28 This volume presents an overview of computer forensics perfect for beginners A distinguished group of specialist authors have crafted chapters rich with detail yet accessible for readers who are not experts in the field Tying together topics as diverse as applicable laws on search and

seizure investigating cybercrime and preparation for courtroom testimony Handbook of Digital and Multimedia Evidence is an ideal overall reference for this multi faceted discipline **A Practical Guide to Computer Forensics Investigations** Darren R. Hayes,2015 A Practical Guide to Computer Forensics Investigations introduces the newest technologies along with detailed information on how the evidence contained on these devices should be analyzed Packed with practical hands on activities students will learn unique subjects from chapters including Mac Forensics Mobile Forensics Cyberbullying and Child Endangerment This well developed book will prepare students for the rapidly growing field of computer forensics for a career with law enforcement accounting firms banks and credit card companies private investigation companies or government agencies Encyclopedia of Police Science Jack Raymond Greene,2006-10-23 In 1996 Garland published the second edition of the Encyclopedia of Police Science edited by the late William G Bailey The work covered all the major sectors of policing in the US Since then much research has been done on policing issues and there have been significant changes in techniques and in the American police system Technological advances have refined and generated methods of investigation Political events such as the terrorist attacks of September 11 2001 in the United States have created new policing needs while affecting public opinion about law enforcement These developments appear in the third expanded edition of the Encyclopedia of Police Science 380 entries examine the theoretical and practical aspects of law enforcement discussing past and present practices The added coverage makes the Encyclopedia more comprehensive with a greater focus on today s policing issues Also added are themes such as accountability the culture of police and the legal framework that affects police decision New topics discuss recent issues such as Internet and crime international terrorism airport safety or racial profiling Entries are contributed by scholars as well as experts working in police departments crime labs and various fields of policing

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