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Soggetti	Computer crimes - Investigation Evidence, Criminal Optical disks - Evaluation
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Front Cover; CD and DVD Forensics; Copyright Page; Contents; Introduction; Chapter 1. Physical Characteristics of CD and DVD Media; CD Features; CD Sizes and Shapes; CD and DVD Types; CD and DVD Colors; CD-R Dyes; Information Storage on CDs and DVDs; CD and DVD Organization and Terminology; CD and DVD Sectors; R-W Subchannels; CD and DVD Differences; CD-ROM Manufacturing Process; Inside a CD-ROM Drive; External Interfaces; Drive Firmware; Chapter 2. CD and DVD Logical Structure; Writing to a CD or DVD; Logical File Systems; CD and DVD File Systems; Space Allocation by CD and DVD File Systems Disc Accessibility Problems Chapter 3. Forensic Binary Images; Reproducing Forensic Images; Chapter 4. Collecting CD and DVD Evidence; Recognizing CD and DVD Media; Collection Considerations; Marking Discs; Transporting Discs; Documenting and Fingerprinting Discs; Officer Safety; Chapter 5. Preparing for Disc Examination; Forensic Hardware; Forensic Software; Forensic Workstation; Validation; Disc Triage; Chapter 6. CD/DVD Inspector - The Basics; CD/DVD Inspector Installation; CD/DVD Inspector Facts; Getting Started with CD/DVD Inspector; Searching; User Preferences; Options Settings

Disc Memory Settings The Analysis Tool; The Hardware Information Display; The Volume Information Display; HFS and HFS+ Volume Information; HSG Volume Information; UDF Volume Information; Disc Reports; Chapter 7. Using CD/DVD Inspector; Examining a Disc-A Step-by-step Guide; Other Examination Tasks; Chapter 8. Advanced Tasks with CD/DVD Inspector; Using Hash Matching and MD5 Hashes; Space Utilization Analysis; ISO-9660 Directory Analysis; Unknown Data Track Issues; Chapter 9. Reporting Your Findings; Full List of All Files on the Media; Image Report(s); Analysis Report  
Chapter 10. Things to Keep In Mind Appendix A. Disc Swap Drive Modification; Appendix B. Downloading Additional Materials; Glossary; Index

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Sommario/riassunto

CD and DVD Forensics will take the reader through all facets of handling, examining, and processing CD and DVD evidence for computer forensics. At a time where data forensics is becoming a major part of law enforcement and prosecution in the public sector, and corporate and system security in the private sector, the interest in this subject has just begun to blossom. CD and DVD Forensics is a how to book that will give the reader tools to be able to open CDs and DVDs in an effort to identify evidence of a crime. These tools can be applied in both the public and private sectors. Armed wi

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