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| Autore                  | Shimonski Robert   |
| Titolo                  | Cyber reconnaissance, surveillance, and defense / / Robert Shimonski ; John Zenir, contributing editor ; Allison Bishop, technical editor                          |
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| Note generali           | Includes index.  |

## Nota di contenuto

Cover; Title Page; Copyright Page; Dedication; Contents; About the Authors; Acknowledgments; Introduction; Chapter 1 - Digital Reconnaissance and Surveillance; Digital Reconnaissance and Surveillance; Art and History of Spying; Threat of Digital Reconnaissance and Surveillance; Threat Landscape; Why Spy?; NSA and Edward Snowden; Public Trust; Cybercrime; Why Spy? Motivation; What Is to Gain? Reward; Digital Forensics; Who Spies?; Professional Roles; Hackers (White, Gray, and Black); Digital Forensics Examiner; Cyber Intelligence Analyst; Cyber Security Engineer; Penetration Tester Private InvestigatorLaw Enforcement; Legal and Ethical Principles; Ethics; The Law; Surveillance and Cybercrime Sample Law; Summary; Chapter 2 - Information Gathering; Information Gathering; Am I Being Spied On?; How Private Is Your Life?; Examples of Privacy Invasion; How to Gather Information; Information Gathering Tools; Online Reconnaissance; The Internet Threat; Search Engines; Phishing; Tracking; Social Media; Scanning, Sniffing, and Mapping; Wired and Wireless; Infrastructure; Mobile Device Threat; Data Threat (Metadata); Physical Reconnaissance; Tailing and Stalking Social EngineeringTapping; Legal and Ethical Concerns; Summary; Chapter 3 - Social Engineering; Social Engineering; Am I Being Spied On?; Scam Example; How to Gather Information; Dumpster Diving; Shoulder Surfing; Phishing; Social Engineering Toolkit; Bugging and Recording; Mitigation of Social Engineering; Mitigate Attack; Information Privacy; Legal and Ethical Concerns; More Legal Issues; Summary; Chapter 4 - Mobile Phone Tracking; Phone Tracking; Mobile Phones; Apple iPhone; Google Android; Windows Phone; Blackberry; Phone Tracking; Malicious Tracking; Tracking for Reconnaissance Location-Based ServicesTracking a SIM; Global Positioning System and Geolocation; Google Mapping; Legal and Ethical Concerns; Summary; Chapter 5 - Physical Device Tracking; Physical Tracking; Device fingerprint; Tracking for Reconnaissance Today; Application Installation Versus Physical Device; Physical Device Tracking; Safe Devices Used Against You; Location Tracking and Wearable Technology; Legal and Ethical Concerns; Summary; Chapter 6 - Web Camera and Video Tracking; Camera Tracking; Tracking examples; Security Surveillance Systems (Private Home) Security Surveillance Systems (Businesses)Security Surveillance Systems (Public); Satellite Surveillance Systems; PC devices and webcams; Creepware; Mobile Devices; Gaming Consoles; Legal and Ethical Concerns; Summary; Chapter 7 - Data Capture and Exploitation; Data Threat; Data Theft and Surveillance; Basic Data Capture Techniques; Data at Rest; Malware Protection; DLP Software; Firewall Systems; Removable Media; Encryption Protection; Data in Motion; Sniffers; Skimmers; Digital Forensics; Devices and Applications; Legal and Ethical Concerns; Summary; Chapter 8 - Protection Methods Protect Yourself!

## Sommario/riassunto

At a time when online surveillance and cybercrime techniques are widespread, and are being used by governments, corporations, and individuals, Cyber Reconnaissance, Surveillance and Defense gives you a practical resource that explains how these activities are being carried out and shows how to defend against them. Expert author Rob Shimoski shows you how to carry out advanced IT surveillance and reconnaissance, describes when and how these techniques are used, and provides a full legal background for each threat. To help you understand how to defend against these attacks, this book describ