

1. Record Nr.	UNINA9910461406503321
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Titolo	Android forensics [[electronic resource]] : investigation, analysis, and mobile security for Google Android / / Andrew Hoog ; John McCash, technical editor
Pubbl/distr/stampa	Waltham, MA, : Syngress, c2011
ISBN	1-283-28146-5 9786613281463 1-59749-652-9
Edizione	[1st edition]
Descrizione fisica	1 online resource (393 p.)
Disciplina	005.4 005.4/46 005.446 363.25
Soggetti	Smartphones - Security measures Mobile computing - Security measures Data recovery (Computer science) Computer crimes - Investigation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front Cover; Android Forensics; Copyright; Dedication; Contents; Acknowledgements; Introduction; Chapter 1; Chapter 2; Chapter 3; Chapter 4; Chapter 5; Chapter 6; Chapter 7; Website; About the Author; About the Technical Editor; Chapter 1 -Android and mobile forensics; Introduction; Android platform; Linux, open source software, and forensics; Android Open Source Project; Internationalization; Android Market; Android forensics; Summary; References; Chapter 2 -Android hardware platforms; Introduction; Overview of core components; Overview of different device types; ROM and boot loaders ManufacturersAndroid updates; Specific devices; Summary; References; Chapter 3 -Android software development kit and android debug bridge; Introduction; Android platforms; Software development kit

(SDK); Android security model; Forensics and the SDK; Summary; References; Chapter 4 -Android file systems and data structures; Introduction; Data in the Shell; Type of memory; File systems; Mounted file systems; Summary; References; Chapter 5 -Android device, data, and app security; Introduction; Data theft targets and attack vectors; Security considerations; Individual security strategies Corporate security strategiesApp development security strategies; Summary; References; Chapter 6 -Android forensic techniques; Introduction; Procedures for handling an Android device; Imaging Android USB mass storage devices; Logical techniques; Physical techniques; Summary; References; Chapter 7 -Android application and forensic analysis; Introduction; Analysis techniques; FAT forensic analysis; YAFFS2 forensic analysis; Android app analysis and reference; Summary; References; Index

Sommario/riassunto

The open source nature of the platform has not only established a new direction for the industry, but enables a developer or forensic analyst to understand the device at the most fundamental level. Android Forensics covers an open source mobile device platform based on the Linux 2.6 kernel and managed by the Open Handset Alliance. The Android platform is a major source of digital forensic investigation and analysis. This book provides a thorough review of the Android platform including supported hardware devices, the structure of the Android development project and implementation of
