



iOS Forensics Cookbook

By Bhanu Birani, Mayank Birani

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iOS Forensics Cookbook By Bhanu Birani, Mayank Birani

Over 20 recipes that will enable you to handle and extract data from iOS devices for forensics

About This Book

- This book gets you straight into solving even the most complex iOS forensic problems with easy-to-understand recipes
- Get to grips with extraction and analysis techniques to perform forensic investigations on iOS devices
- Gain insights into how to protect your data and perform data recovery from iOS-based devices

Who This Book Is For

If you are an iOS application developer who wants to learn about a test flight, hockey app integration, and recovery tools, then this book is for you. This book will be helpful for students learning forensics, as well as experienced iOS developers.

What You Will Learn

- Discover the various ways to save data in the document directory of the device
- Get to grips with encrypting and decrypting of files saved in the document directories
- Explore ways to integrate social media with iOS applications
- Grab the user events and actions on the iOS application using analytic tools
- Analyze useful information from the data gathered in the cloud
- Grasp numerous concepts associated with air application distribution
- Track errors in an application effectively to document them for forensic analysis
- Read crash reports accumulated on iTunesConnect and decode them to generate and gather useful information

In Detail

Mobile device forensics is a branch of digital forensics that involves the recovery of evidence or data in a digital format from a device without affecting its integrity. With the growing popularity of iOS-based Apple devices, iOS forensics has developed immense importance.

To cater to the need, this book deals with tasks such as the encryption and decryption of files, various ways to integrate techniques with social media, and ways to grab the user events and actions on the iOS app. Using practical examples, we'll start with the analysis keychain and raw disk decryption, social media integration, and getting accustomed to analytics tools. You'll also learn how to distribute the iOS apps without releasing them to Apple's App Store. Moving on, the book covers test flights and hockey app integration, the crash reporting system, recovery tools, and their features. By the end of the book, using the aforementioned techniques, you will be able to successfully analyze iOS-based devices forensically.

Style and approach

This book takes a step-by-step recipe-based approach to iOS forensics and investigation techniques. Topics are explained sequentially in order of complexity, and are accompanied by code and theory that is easy to grasp.

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Editorial Review

About the Author

Bhanu Birani has more than 7 years of experience in the software industry. He is passionate about architecting, designing, and developing complicated applications. He specializes in creating web, backend as a service, and mobile products suitable for B2B and B2C context. He has expertise in end to end development to create innovative and engaging applications for mobile devices. After years of programming experience in different programming languages, he started developing applications for iOS devices. He started software development around the same time as his graduation and was really interested in learning about the new technologies emerging in the market. He then joined a game development company. After contributing to the gaming domain, he started working on content-based applications and radio applications. He also contributed to hyperlocal geo-targeting using BLE (iBeacons). Over the years, he has gained experience in all phases of software development as requirement gathering, feasibility analysis, architecture design, coding and debugging, quality improvement, deployment, and maintenance. Mayank Birani has more than 4 years of experience in the software industry. He was a star from the beginning of his career, and he worked with many start-ups. Soon after graduation, he started working on iOS/Mac technologies and is an R&D engineer for Apple Inc. India. He has an inherent passion for coding and developing applications to make the world a better place. He has contributed actively to many start-ups with revolutionary ideas. In the early stages of his career, he was the sole author of Learning iOS 8 for Enterprise by Packt Publishing.

Users Review

From reader reviews:

Margherita Pettit:

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