iOS Hacker's Handbook

By Charlie Miller, Dion Blazakis, Dino DaiZovi, Stefan Esser, Vincenzo Iozzo, Ralf-Philipp Weinmann

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Discover all the security risks and exploits that can threaten iOS-based mobile devices

iOS is Apple's mobile operating system for the iPhone and iPad. With the introduction of iOS5, many security issues have come to light. This book explains and discusses them all. The award-winning author team, experts in Mac and iOS security, examines the vulnerabilities and the internals of iOS to show how attacks can be mitigated. The book explains how the operating system works, its overall security architecture, and the security risks associated with it, as well as exploits, rootkits, and other payloads developed for it.

- Covers iOS security architecture, vulnerability hunting, exploit writing, and how iOS jailbreaks work
- Explores iOS enterprise and encryption, code signing and memory protection, sandboxing, iPhone fuzzing, exploitation, ROP payloads, and baseband attacks
- Also examines kernel debugging and exploitation
- Companion website includes source code and tools to facilitate your efforts

iOS Hacker's Handbook arms you with the tools needed to identify, understand, and foil iOS attacks.

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Editorial Review

From the Back Cover

They can crack the code. Here's how to stop them.

The world loves iOS. Users love the convenience. Black hats love the vulnerability. This book arms you with the knowledge and tools to protect your organization's iOS devices. If you're a developer, it will also help you create hack-resistant applications.

These highly qualified iOS experts review iOS security architecture, examine the internals, and reveal the vulnerabilities. They show you how iOS jailbreaks work and explore encryption, code signing and memory protection, sandboxing, iPhone fuzzing, exploitation, ROP payloads, and baseband attacks. Here's a complete toolkit for defending your iOS devices.

- Examine the internals and identify the vulnerabilities of iOS
- Explore all the elements of encryption, vulnerability hunting, and exploit writing
- Review some common payloads and see what can and can't be done on iOS with ROP
- Learn more about kernel debugging and exploitation, with an overview of kernel structure and a look at auditing IOKit drivers
- Look at techniques for fuzzing PDF and PowerPoint® documents in MobileSafari
- Study different jailbreak types

Companion website

Source code and additional tools are available at www.wiley.com/go/ioshackershandbook

About the Author

Charlie Miller is Principal Research Consultant at Accuvant Labs and a four-time CanSecWest Pwn2Own winner.

Dionysus Blazakis is an expert on iOS and OS X sandbox security mechanisms.

Dino Dai Zovi is coauthor of The Mac Hacker's Handbook and a popular conference speaker.

Stefan Esser is a PHP security expert and leading researcher of iOS security topics.

Vincenzo Iozzo is an independent security researcher focused on Mac OS X and smartphones.

Ralf-Philipp Weinmann holds a PhD in cryptography and has an extensive security background.

Users Review

From reader reviews:

Mary West:

Here thing why this particular iOS Hacker's Handbook are different and reliable to be yours. First of all examining a book is good but it depends in the content from it which is the content is as scrumptious as food or not. iOS Hacker's Handbook giving you information deeper including different ways, you can find any e-book out there but there is no publication that similar with iOS Hacker's Handbook. It gives you thrill reading journey, its open up your own personal eyes about the thing that happened in the world which is probably can be happened around you. It is possible to bring everywhere like in recreation area, café, or even in your technique home by train. For anyone who is having difficulties in bringing the branded book maybe the form of iOS Hacker's Handbook in e-book can be your option.

Shane McKeel:

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Chris McCree:

Playing with family in a very park, coming to see the sea world or hanging out with good friends is thing that usually you could have done when you have spare time, and then why you don't try thing that really opposite from that. One particular activity that make you not experience tired but still relaxing, trilling like on roller coaster you are ride on and with addition of knowledge. Even you love iOS Hacker's Handbook, you may enjoy both. It is very good combination right, you still would like to miss it? What kind of hang type is it? Oh come on its mind hangout folks. What? Still don't obtain it, oh come on its referred to as reading friends.

Peggy Dunn:

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