Android Hacker's Handbook

By Joshua J. Drake, Zach Lanier, Collin Mulliner, Pau Oliva Fora, Stephen A. Ridley, Georg Wicherski

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The first comprehensive guide to discovering and preventing attacks on the Android OS

As the Android operating system continues to increase its share of the smartphone market, smartphone hacking remains a growing threat. Written by experts who rank among the world's foremost Android security researchers, this book presents vulnerability discovery, analysis, and exploitation tools for the good guys. Following a detailed explanation of how the Android OS works and its overall security architecture, the authors examine how vulnerabilities can be discovered and exploits developed for various system components, preparing you to defend against them.

If you are a mobile device administrator, security researcher, Android app developer, or consultant responsible for evaluating Android security, you will find this guide is essential to your toolbox.

- A crack team of leading Android security researchers explain Android security risks, security design and architecture, rooting, fuzz testing, and vulnerability analysis
- Covers Android application building blocks and security as well as debugging and auditing Android apps
- Prepares mobile device administrators, security researchers, Android app developers, and security consultants to defend Android systems against attack

Android Hacker's Handbook is the first comprehensive resource for IT professionals charged with smartphone security.

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Editorial Review

From the Back Cover

A complete guide to securing the Android operating system

The *Android Hacker's Handbook* provides network security professionals and mobile device administrators with the specifics of the Android operating system from a security standpoint. This book explains how the operating system works, security risks associated with it, and the overall security architecture of the operating system. It also explains how vulnerabilities can be found in, and exploits developed for, various components of the system.

Written by some of the world's foremost Android security researchers, the *Android Hacker's Handbook* is the only resource of its kind to explore Android security on this level. This essential guide includes both implementation details as well as complexities introduced by the open nature of the OS.

Learn to:

- Become familiar with security implementation details, as well as complexities introduced by the open nature of the Android OS
- Avoid common security pitfalls and stay ahead of the latest smartphone hacking strategies
- Review the various types of attacks that have been successful against the Android OS
- Explore rooting and gain an understanding of the partition layout, boot process
- Understand the complex nature of the Android ecosystem, including the impact of various hardware vendors and software developers

About the Author

JOSHUA J. DRAKE is a Director of Research Science at Accuvant LABS.

PAU OLIVA FORA is a Mobile Security Engineer with viaForensics.

ZACH LANIER is a Senior Security Researcher at Duo Security.

COLLIN MULLINER is a postdoctoral researcher at Northeastern University.

STEPHEN A. RIDLEY is a Principal Researcher with Xipiter.

GEORG WICHERSKI is a Senior Security Researcher with CrowdStrike.

Users Review

From reader reviews:

Latrice Miller:

In this 21st one hundred year, people become competitive in each and every way. By being competitive right

now, people have do something to make these individuals survives, being in the middle of often the crowded place and notice through surrounding. One thing that occasionally many people have underestimated it for a while is reading. Sure, by reading a guide your ability to survive enhance then having chance to stand than other is high. To suit your needs who want to start reading a book, we give you this specific Android Hacker's Handbook book as nice and daily reading publication. Why, because this book is more than just a book.

Tracy Zapata:

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Patricia Miller:

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Herman Jenkins:

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