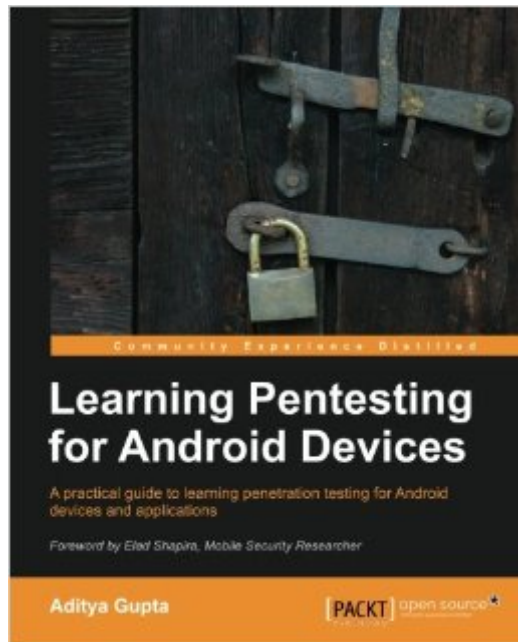## The book was found

Learning Pentesting For Android Devices

Synopsis

Android is the most popular mobile smartphone operating system at present, with over a million applications. Every day hundreds of applications are published to the PlayStore, which users from all over the world download and use. Often, these applications have serious security weaknesses in them, which could lead an attacker to exploit the application and get access to sensitive information. This is where penetration testing comes into play to check for various vulnerabilities. Learning Pentesting for Android is a practical and hands-on guide to take you from the very basic level of Android Security gradually to pentesting and auditing Android. It is a step-by-step guide, covering a variety of techniques and methodologies that you can learn and use in order to perform real life penetration testing on Android devices and applications. The book starts with the basics of Android Security and the permission model, which we will bypass using a custom application, written by us. Thereafter we will move to the internals of Android applications from a security point of view, and will reverse and audit them to find the security weaknesses using manual analysis as well as using automated tools. We will then move to a dynamic analysis of Android applications, where we will learn how to capture and analyze network traffic on Android devices and extract sensitive information and files from a packet capture from an Android device. We will look into SQLite databases, and learn to find and exploit the injection vulnerabilities. Also, we will look into root exploits, and how to exploit devices to get full access along with a reverse connect shell. Finally, we will learn how to write a penetration testing report for an Android application auditing project.

Book Information

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Encryption

Customer Reviews

I really love this book! "Learning Pentesting for Android Devices" is a book for all curious guys that want to understand how things are working inside their Android device. The goal of the book is to explore which vulnerability and issues could be present in an Android application and how to prevent and to reveal them. This is just an interesting argument, but what is really more interesting is the way to reach this goal: becoming for a couple of hours an "hacker" and jump on the dark side of the development! Yes, because decompiling, reverse engineering, exploiting and attacking will be really more clear to you after reading this book!The book starts with a couple of chapters about Android howtos: what is an Android app, how it is generated and which tools should be used to achieve the goal. After that, Aditya brings you on the reverse path: in chapter 3, starting from an app, he brings you to the source code! There is a very clear description about which tools could be used, how to use them and which limits you could experiencing during this adventure. In chapter 4, the classical network attacks are explored: network traffic analysis, proxy interception, man in the middle and so on.More or less after an half of the book, Aditya starts with a very not so common description of Android vulnerability and attacks (from the device point of view!). This is really uncommon and very very interesting for understanding how the Android phone you have in pocket is made. A specific chapter is dedicated to SQLite, one of the most common SQL database deployed in several millions of devices and to the WebView, one of the most common Android widget.

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