Learning iOS Penetration Testing

Swaroop Yermalkar

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Learning iOS Penetration Testing Swaroop Yermalkar

Secure your iOS applications and uncover hidden vulnerabilities by conducting penetration tests

About This Book

- Achieve your goal to secure iOS devices and applications with the help of this fast paced manual
- Find vulnerabilities in your iOS applications and fix them with the help of this example-driven guide
- Acquire the key skills that will easily help you to perform iOS exploitation and forensics with greater confidence and a stronger understanding

Who This Book Is For

This book is for IT security professionals who want to conduct security testing of applications. This book will give you exposure to diverse tools to perform penetration testing. This book will also appeal to iOS developers who would like to secure their applications, as well as security professionals. It is easy to follow for anyone without experience of iOS pentesting.

What You Will Learn

- Understand the basics of iOS app development, deployment, security architecture, application signing, application sandboxing, and OWASP TOP 10 for mobile
- Set up your lab for iOS app pentesting and identify sensitive information stored locally
- Perform traffic analysis of iOS devices and catch sensitive data being leaked by side channels
- Modify an application's behavior using runtime analysis
- Analyze an application's binary for security protection
- Acquire the knowledge required for exploiting iOS devices
- Learn the basics of iOS forensics

In Detail

iOS has become one of the most popular mobile operating systems with more than 1.4 million apps available in the iOS App Store. Some security weaknesses in any of these applications or on the system could mean that an attacker can get access to the device and retrieve sensitive information. This book will show you how to conduct a wide range of penetration tests on iOS devices to uncover vulnerabilities and strengthen the system from attacks.

Learning iOS Penetration Testing discusses the common vulnerabilities and security-related shortcomings in an iOS application and operating system, and will teach you to conduct static and dynamic analysis of iOS applications.

This practical guide will help you uncover vulnerabilities in iOS phones and applications. We begin with basics of iOS security and dig deep to learn about traffic analysis, code analysis, and various other techniques. Later, we discuss the various utilities, and the process of reversing and auditing.

Style and approach

This fast-paced and practical guide takes a step-by-step approach to penetration testing with the goal of helping you secure your iOS devices and apps quickly.

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