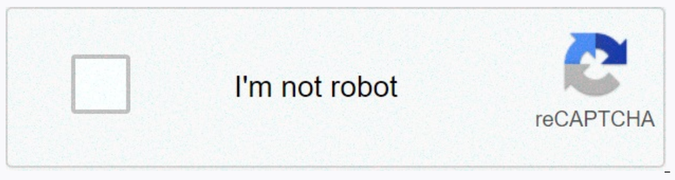

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The course has been cancelled. The course follows chapters 1-9 of Mobile Application Hacker's Handbook, with a strong focus on practical attacks. During the two-day training course provided by the main author of the book, delegates learn tricks and techniques for hacking and securing mobile apps on iOS and Android platforms. The two-day course will take place on September 12 and 13, 2017 at The Hatton venues etc. The cost is £1,300 (including VAT). Buy your place in our store now. Overview of the course Introduction to mobile app security assessment (Chapter 1) iOS app analysis (Chapter 2) How to attack iOS apps (Chapters 3-4) Securing iOS apps (Chapter 5) Understanding Android apps (Chapter 6) Using apps on Android (Chapter 7 -8) Securing Android Apps (Chapter 9) Key Educational Goals Security on iOS and Android Devices How iOS and Android Devices Are Collapsed or Rooted How to Quickly and Effectively Address And Exploit Vulnerabilities in Apps on iOS and Android How to decompile, reverse and patch iOS and Android apps How to hack webviews, Client-side databases and keychain instrument applications runtimes using Frida, Cydia Substrate and Cycript Use IPC mechanisms, including content providers, URL handling, application extensions, transmissions, actions and intentions Practical use of poorly implemented Bypass cryptography security controls such as root detection or jailbreak Real techniques used to defeat real applications on iOS and Android! Knowledge of defensive and corrective advice Requirements of students Basic knowledge of programming and mobile security concepts. Hardware & Software Requirements Administrative access to the laptop and the ability to install several tools and disable personal firewalls or anti-virus scanners if they are disturbed by laboratory exercises. We strongly recommend a personal laptop, if the compilation of the company laptop is too restrictive, it may affect your ability to fully participate in the course. Laptop with the ability to connect to wireless and wired networks. The laptop should have reasonable specifications, we recommend at least 8GB of RAM with at least 16GB of free disk space and ideally be compatible with VTX. Students require the player to run virtualbox images O trainer Dominic is the director of MDSec and a recognized expert in the field of mobile application security, after developing officialpapers, tools and presentations in this field. He is also the lead author of the Mobile App Hacker Manual. As part of his day-to-day work, Dominic provides security advice and mobile security training to leading global organizations in the financial, government and Book your 44CON 2017 training course now! This is a comprehensive guide to securing all mobile applications by from the hacker's point of view. Provides expert advice on detecting and exploiting flaws in mobile apps on iOS, Android, Blackberry, and Windows Phone platforms. You'll learn a proven methodology for approaching mobile app ratings and techniques used to prevent, disrupt, and correct various types of attacks. The scope includes data storage, cryptography, transport layers, data leakage, injection attacks, run-time manipulation, security control, and cross-platform applications, with highlighted vulnerabilities and detailed information about the methods that hackers use to bypass standard security. -- Only for today to get free read 30 days !!! See your app through the eyes of a hacker to find real sour vulnerabilities Mobile Application Hacker's Handbook is a comprehensive guide to securing all mobile applications, approaching the problem from a hacker's point of view. A very practical book provides specialized tips for discovering and exploiting flaws in mobile apps on iOS, Android, Blackberry and Windows Phone platforms. You'll learn a proven methodology for approaching mobile app ratings and techniques used to prevent, disrupt, and correct various types of attacks. The scope includes data storage, cryptography, transport layers, data leakage, injection attacks, run-time manipulation, security control, and cross-platform applications, with highlighted vulnerabilities and detailed information about the methods that hackers use to bypass standard security. Mobile applications are widely used in consumer and corporate markets to process and/or store sensitive data. Is... (More info! -> Start your review of Mobile Application Hacker's Handbook Excellent book in this topic, I totally recommend it Generally the book is a bit too full and repetitive. Sometimes explaining things about a complete novice (and sometimes delving into examples with presumed deep knowledge). Interesting to read mainly about platforms I have not had much experience with (Windows mobile and Blackberry). On android and iOS front there was a lot of information that surprised me, but there were some interesting details or cases of testing. Of course, many things were also missing, but in the case of the book is not bad. In general, the book is a bit too detailed and repetitive. Sometimes explaining things about a complete novice (and sometimes delving into examples with presumed deep knowledge). Interesting to read mainly about platforms I have not had much experience with (Windows mobile and Blackberry). On android and iOS front there was a lot of information that surprised me, but there were some interesting or test cases. Of course, many things were also missing, but in the case of the book is not bad. ... more Page 2 Referring to our previous previous In the Hacker's Handbook series, MDSec director Dominic Chell co-authored a new book on how to secure mobile apps. The Mobile Application Hacker's ™s Manual, which sold in to 24 hours of its release on Amazon, is a comprehensive guide to securing all mobile applications by approaching the problem from a hacker's point of view. The book is very practical and contains specialized tips for detecting and exploiting flaws in mobile applications on iOS, Android, Blackberry and Windows Phone platforms. The book companion page provides a repository of source code and other assets from the book, as well as details on the MDSec companion training course, where you can learn how to not only hack, but also secure mobile apps from the main author. The mobile app hacker's handbook was published on February 24, 2015 and co-authored by Tyrone Erasmus, Shaun Colley and Ollie Whitehouse. Dominic and MDSec would like to thank other authors for their hard work in helping to implement this publication. See full text Introduction xxxi Chapter 1 Mobile Application (W)security 1 Evolution of mobile applications 2 Mobile Application Security 4 Summary 15 Chapter 2 IOS App Analysis 17 Understanding the security model 17 Understanding iOS 22 Jailbreaking Apps Explained 29 Protection API Description Data 43 Keychain Description iOS 46 Description Touch ID 51 Reverse Engineering iOS Binaries 53 Summary 67 Chapter 3 Attacking iOS Apps 69 Getting Started with Transport Security 69 Identifying Unsecured Storage 81 Patching iOS Apps with Hopper 85 Attacking iOS Runtime 92 Understanding Interprocess Communication 118 Attack with Injection 123 Summary 131 Chapter 4 Identification of iOS Implementation Insecurities 133 Disclosure of Personally Identifiable Information 133 Data Identification Leaks 136 Memory Corruption in iOS Apps 142 Summary 146 Chapter 5 Writing Secure iOS Apps 149 In-App Data Protection 149 Avoiding Injection Vulnerabilities 156 Securing Apps With Binary Security 158 Summary 170 Chapter 6 Analyzing Android Apps 173 Creating your First Environment Android 174 Understanding Android Apps 179 Understanding the Security Model 206 Reverse Engineering Apps 233 Summary 246 Chapter 7 Attacking Android Apps 247 Exposing the Security Model Quirks 248 Attacking App Components 255 Access to Storage and Logging 304 Misuse of Unsafe Communications 3 12 Using Other Vectors 326 Additional Testing Techniques 341 Summary 351 Chapter 8 Identifying and Exploiting Android 353 Implementation Issues Preliminary Review application 353 Device Usage 365 Infiltrating User Data 416 Summary 426 Chapter 9 Writing Secure Android Applications 427 Least Exposure Principle 427 427 Security Mechanisms 429 Advanced Security Mechanisms 450 Reverse Engineer Slowdown 451 Summary 455 Chapter 10 Analyzing Windows Phone 459 Understanding security model 460 Understanding Windows Phone 8.x Applications 473 Developer Sideloading 483 Create a Test Environment 484 Environment Analysis Test 484 Analysis Application Binaries 506 Summary 509 Chapter 11 Attacking Windows Phone Applications 511 Analyzing Data Entry Points 511 Attacking Transport Security 525 Attack webbrowser and WebView Controls 534 Identify Gaps in Interprocess Communication 542 Attacking XML Parsing 560 Attacking Databases 568 Attacking File Handling 573 Patching .NET Assemblies 578 Summary 585 Chapter 12 Identifying Windows Phone Implementation Issues 587 Identifying Unsecured Storage 588 Application Settings Identification Data Leaks 591 Identification of Insecure Data Storage593 Insecure random number generation 601 Unsecured cryptography and password Use 605 Identify native code vulnerabilities 616 Summary 626 Chapter 13 Writing secure windows phone applications 629 General security design considerations 629 Secure data storage and encryption 630 Secure random data generation 634 Securing data in memory and wiping memory 635 Avoiding SQLite Injection 636 Implementing Secure Communication 638 Avoiding Cross-Site Scripting in WebViews and WebBrowser Components 640 Secure XML Parsing 642 Clearing Web Cache and Web Cookies 642 Native Avoidance code errors 644 Using exploit Mitigation Features 644 Summary 645 Chapter 14 BlackBerry Application Analysis 647 Understanding BlackBerry Legacy 647 Understanding BlackBerry 10 652 Understanding BlackBerry 10 Security Model 660 BlackBerry 10 Jailbreaking 665 Using Developer Mode 666 BlackBerry 10 Device Simulator 667 Accessing App Data From Your Device 668 Accessing Files BAR 669 Looking at Apps 670 Summary 678 Chapter 15 Attacking BlackBerry Apps 681 Traversing Trust Boundaries 682 Summary 691 Chapter 16 Identifying Issues With BlackBerry Apps 693 Over-Privilege Limit 694 Troubleshoot Data Storage Issues 695 Checking Data Transmission 696 Support for Personally Identifiable Information and Privacy 698 Ensuring Secure Development 700 Summary 704 Chapter 17 Writing Secure BlackBerry Apps 705 Securing BlackBerry OS 7.x and Earlier Legacy Java Java Applications 706 General Java Secure Development Principals 706 Making Apps Work with the Application Control Policies 706 Memory Cleaning 707 Controlling File Access and Encryption 709 SQLite Database Encryption 710 Persistent Store Access Control and 711 Securing BlackBerry 10 Native Applications 706 716 Securing BlackBerry Apps 10 Cascades 723 Securing BlackBerry 10 HTML5 and JavaScript Applications (WebWorks) 724 Securing Android Apps on BlackBerry 10,726 Summary 726 Chapter 18 Cross-Platform Mobile Apps 729 729 for cross-platform mobile applications 729 Bridging Native Functionality 731 Exploring PhoneGap and Apache Cordova 736 Summary 741 Index 743 743

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