Android and IOS Security

Learn via: **Classroom / Virtual Classroom / Online**

Duration: **4 Day**

https://bilginc.com/en/training/android-and-ios-security-430-training/

Overview

As a developer, your duty is to write bulletproof code.

What if we told you that despite all of your efforts, the code you have been writing your entire career is full of weaknesses you never knew existed? What if, as you are reading this, hackers were trying to break into your code?

This advanced level course will change the way you look at code. A hands-on training during which we will teach you all of the attackers' tricks and how to mitigate them.

Prerequisites

There are no prerequisites for this course.

Who Should Attend

Android and IOS application developers, architects and testers.

What You Will Learn

- Understand basic concepts of security, IT security and secure coding
- Learn the security solutions on Android
- Learn to use various security features of the Android platform
- Learn the security solutions on iPhone
- Learn to use various security features of iOS
- Learn about typical coding mistakes and how to avoid them
- Have a practical understanding of cryptography
- Get understanding on native code vulnerabilities on Android
- Realize the severe consequences of unsecure buffer handling in native code
- Understand the architectural protection techniques and their weaknesses
- Get practical knowledge in using security testing tools for iOS
- Get practical knowledge in using security testing tools for Android
- Get sources and further readings on secure coding practices

Outline

- IT security and secure coding
- Android security overview
- Android application security
- Protecting Android applications
- iOS security overview
- iOS application security
- Common coding errors and vulnerabilities
- Practical cryptography
- Android native code security
- Security testing techniques and tools
- Principles of security and secure coding

- Knowledge sources