

IOS Security

Learn via: **Classroom**

Duration: **2 Day**

Overview

iOS is a mobile operating system distributed exclusively for Apple hardware and designed with security at its core; key security features including sandboxing, native language exploit mitigations or hardware supported encryption all offer a very effective environment for secure software development. In the details – a programmer can still commit plenty of mistakes to make the resulting apps vulnerable. This course introduces the iOS security model and the usage of various components, but also deals with relevant vulnerabilities and attacks, focusing on the mitigation techniques and best practices for avoiding them.

Prerequisites

There are no prerequisites for this course.

Who Should Attend

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 iPhone
- Learn to use various security features of iOS
- Learn about typical coding mistakes and how to avoid them
- Get information about some recent vulnerabilities of iOS
- Get practical knowledge in using security testing tools for iOS
- Get sources and further readings on secure coding practices

Outline

- IT security and secure coding
- iOS security overview
- iOS application security
- Common coding errors and vulnerabilities
- Buffer overflow protection on iOS
- Testing iOS code
- Principles of security and secure coding
- Knowledge sources