

Updated 05/28/2024

Sign up

Android Security and Pentest training

3 days (21 hours)

Presentation

In 2019, the number of [cyberattacks targeting businesses rose by 67%](#) in France. Only 10% of companies were equipped to deal with them.

Unfortunately, the number of cybercriminal attacks is rising sharply every year, whether targeting websites or applications.

Our Android Security and Pentest training course takes a practical approach to one of the most important issues of the 21st century: securing Android applications.

At the end of this training course, you'll be able to practice and understand the techniques used by the Red Team to better defend yourself as a Blue Team. You'll learn how to analyze the specifics of a mobile computing system, identify security vulnerabilities and carry out appropriate and effective penetration tests to break into an Android system. With an offensive approach and the implementation of advanced penetration tests, you'll be able to ensure and prevent the security of your smartphone applications.

Our Android Security and Pentest training course will be based on the latest version of Android, namely [Android 11](#).

Objectives

- Android system architecture
- Setting up a test environment
- Attack on Android applications
- Analyze and identify Android security vulnerabilities

Target audience

- Developers
- Project managers
- SSI technicians
- Auditors
- Sliders
- CISO
- Ethical hackers

Prerequisites

- Knowledge of Linux
- Good knowledge of networks, systems and security is a plus
- Knowledge of Java

Android Security and Pentest training program

Android Application Fundamentals

ADB (Android Debug Bridge)

Modify Code (Smali)

Other interesting tricks / Spoofing Location

Static Analysis

Dynamic Analysis

Automatic Analysis

Obfuscating/Deobfuscating code

Lab

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.