XCELERATE TRAINING INSTITUTE

your learning & development partner

INFORMATION TECHNOLOGY

Mobile Application Penetration Testing

DURATION	LANGUAGE	FORMAT
5 days	English	Classroom / Online

Upcoming dates

Dates	Venue	Format	Fee
22 – 26 Feb 2027	Live online	Online (live)	€1,200
2 – 6 Aug 2027	Live online	Online (live)	€1,200
6 – 10 Sep 2027	Boston	Classroom	€4,800

Register or ask a question

Online: staging.x8ti.com/course/mobile-application-penetration-testing/

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Mobile Application Penetration Testing

Introduction

This course by Xcelerate Training Institutes is designed to equip participants with the skills necessary to conduct thorough penetration testing on mobile applications. Mobile apps have become essential in our daily lives, making them prime targets for cyber attacks. These attacks are more complex than traditional web application threats and require specialized security measures.

Learning Objectives

Upon completion of this course, participants will be able to:

- Utilize tools to bypass security restrictions on IOS and Android devices.
- Analyze device data and applications to uncover vulnerabilities and extract sensitive information.
- Reverse engineer mobile apps to understand their functionality and identify weaknesses.
- Modify app behavior to circumvent security measures.
- Automate security assessments of mobile applications.
- Exploit wireless networks used by mobile devices.
- Intercept and manipulate mobile device network traffic.
- Leverage specialized tools to gain unauthorized access to devices.

Training Methodology

This course by Xcelerate Training Institutes typically involves reconnaissance, automated scanning, manual testing, and reporting. Reconnaissance gathers information about the app's technology stack and functionalities. Automated scanning tools identify common vulnerabilities, while manual testing delves deeper to uncover specific weaknesses. Testers may reverse engineer the app's code, analyze network traffic, and attempt to exploit vulnerabilities. The final report details findings, potential risks, and remediation recommendations.

Benefits for Your Organisation

This course proactively identifies and mitigates vulnerabilities, safeguarding sensitive user data, protecting your brand reputation, and ensuring compliance with industry regulations. It empowers your organization to build robust security measures, preventing costly data breaches and enhancing overall security posture, ultimately fostering customer trust and business continuity.

Benefits for You

This course offers numerous benefits, including identifying and mitigating vulnerabilities before exploitation, ensuring compliance with industry standards, boosting user confidence, protecting sensitive data, preventing financial loss, and enhancing overall application security posture.

Who Should Attend

- Security officers
- Auditors
- Security professionals
- Mobile application developers
- Individuals concerned about mobile app security
- Managers

Course Outline

Android Penetration Testing

- Understanding mobile device architecture and common threats.
- In-depth exploration of the Android operating system.
- Introduction to mobile security concepts.
- Assessing vulnerabilities on rooted and unrooted Android devices.
- Analyzing the Android file system.
- Identifying mobile devices through fingerprinting.
- Monitoring network activity on Android devices.
- Reverse engineering and static analysis of Android apps.
- Manipulating Android app behavior.
- Best practices for securing Android applications.

IOS Penetration Testing

- Introduction to IOS security principles.
- Building a platform for IOS penetration testing.
- Advanced analysis of running IOS applications.
- Exploiting vulnerabilities in IOS apps.
- Recovering data from IOS devices.
- Understanding IOS malware and backdoors.

Wrapping Up Words from the Wise

- Review of Parking Lot
- Lessons Learned
- Completion of Action Plans and Evaluations

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Registration Form

Mobile Application Penetration Testing

Preferred dates: ..... Venue or online: .....

Duration: 5 days Language: .....

Please complete and email this form to us, or register online. We confirm your place and send the invoice within one working day.

Delegate information

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Official email: ..... Personal email: .....

Company information

Company name: .....

Address: .....

City / country: ..... VAT / tax number: .....

Person responsible for training & development

Full name (Mr / Ms / Dr / Eng): .....

Position: ..... Telephone / mobile: .....

Email: .....

Payment

☐ Please invoice me ☐ Please invoice my company

Signature: ..... Date: .....

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Email this form
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Register online
Open the course page