



COGNISYS

PENETRATION TESTING

Mobile application

Get a clear picture of your app's security posture with our expert penetration testing.

Secure your iOS and Android apps with mobile penetration testing

Mobile applications play a crucial role in business and face unique security challenges that are only sometimes covered by traditional web testing. Our service helps identify and address vulnerabilities before they can be exploited, protecting your users and data.

Our thorough testing examines key security aspects like authentication, data storage, and communication channels. By simulating real-world attacks, we uncover potential issues and provide practical recommendations to strengthen your app's defences. Regular testing keeps your app secure and compliant in a constantly evolving security landscape.

Scoping and planning

Define objectives

We work with you to define the objectives of the penetration test, including any specific security concerns and regulatory compliance needs. Whether it's assessing authentication mechanisms, data security, or other critical areas, we align our testing process with your goals to ensure comprehensive coverage and compliance with industry standards.

Requirements

We set up all necessary environments for accurate testing. We need APK files and configure testing environments with emulators or devices for Android apps. For iOS apps, we require TestFlight builds and prepare the necessary testing devices. This setup ensures a precise and controlled assessment.

Tailored testing

We adapt our testing to your app's unique requirements and maintain open communication. This ensures that our findings and recommendations are relevant and actionable for your app's security needs.

Core and advanced testing components

Static code analysis

Our expert team performs a detailed static code analysis with reverse engineering techniques to find security flaws that may not be visible during runtime. By scrutinising your app's code, we identify vulnerabilities related to secure coding practices and design, helping to fortify your app's security from the ground up.

Dynamic testing

We perform dynamic testing to evaluate your app's performance under real-world conditions. By simulating attacks and analysing the app in real time, we identify issues such as improper data handling and insecure API interactions, providing a practical assessment of your app's security posture.

Insecure storage review

We thoroughly review the app's storage to identify any residual data that may remain after the app is used. This process checks for sensitive information that could be inadvertently stored on the device, posing a potential security risk. Our analysis ensures that your app handles data securely, leaving no trace of sensitive information that malicious actors could access.

Why choose Cognisys' mobile application penetration testing?

Our mobile application penetration testing service stands out for its thoroughness and expertise. We use the latest tools and techniques, and our experienced team, with a proven track record in the field, delivers clear, actionable insights to help you strengthen your defences and mitigate risks effectively.

By partnering with us, you're not just identifying vulnerabilities; you're investing in a proactive approach to security for your mobile applications and safeguarding your users' data. We help you understand and address potential threats, ensuring your app is robust and resilient against evolving risks. With our expert guidance, you can confidently protect your business and enhance your app's security.

[BACK TO CONTENTS](#)

