

# MOBILE APP SECURITY PENETRATION TESTING



## Uncover vulnerabilities before attackers discover them

A recent research conducted by Forrester on Mobile Commerce (m-commerce) identified security as the top concern among factors limiting the growth in the sales of m-commerce applications.

Smart phone usage for financial transactions such as booking tickets or checking banking resources is an emerging trend. A Boston Consulting Group study estimates that mobile phone transactions may reach \$250 billion by 2015.

Paladion has been testing mobile banking and m-commerce applications since they were first introduced in the market. Having tested hundreds of mobile applications, we understand security concerns of mobile app owners and the mobile threat landscape well, so we can help you fix those security gaps before it's exploited.

## OUR SERVICES

Improved test results with dynamic, static and manual analysis



### MOBILE PENETRATION TESTING

#### Detect Security Flaws

Our advanced mobile penetration testing labs simulate hackers to detect attack surfaces and analyse the overall security of the app.



### SECURITY CODE REVIEW

#### Find and Fix

Comprehensive source code review detects injection flaws, backdoors, weak algorithms, data storage definitions and much more.

## FEATURES AND ADVANTAGES



### Threat profiling

A threat profile lists all the risks of your application. Our experts create a profile at the get-go, so the testers are able to replicate attacks that are relevant to the application, instead of random ones like SQL injection, cross site scripting and session hijacking.



### Multiple platforms & multitude apps

Test apps such as mobile banking, m-commerce, mobile payment systems and much more on multiple device platforms under a single program; iPad, iPhone, Android, Blackberry, Symbian and Windows applications are all tested in a unified program to improve efficiency.



### Online reporting portal

Paladion's in-depth reporting portal addresses the needs of developers, security analysts and executives. The dashboard captures statistics and easily disburses tailored reports across vendors and application owners.



### State-of-the-art lab

Paladion's dedicated security testing labs shortens testing cycles, helps validate apps on different networks and devices and leverages a huge repository of domain and platform specific test cases, so you can bring a superior product to the market 45% sooner.

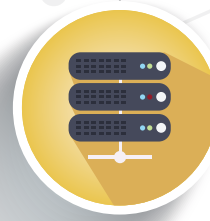


### Dedicated researchers

Dedicated team of mobile application security researchers stay on top of the latest threats and trends in the mobile app world to support testers in simulation attacks and enable predictive intelligence in app security.

## MOBILE APPLICATION TESTING THREAT LANDSCAPE

- Does your application store data in a commonly accessible memory location?
- Does your application reveal sensitive algorithms?
- Can someone bypass authentication?
- Can a user perform transactions on behalf of other users?



- Does your server send out unauthorised data?
- Is your session management strong?



- Is data transmitted using HTTPS?

## MOBILE APP SECURITY PENETRATION

Security tests expressly designed for your application

A holistic approach developed keeping in mind the business case of the company, the architecture of the app, detailed threat profiling and forensic & dynamic vulnerability analysis ensures that you bring to light possible attack surfaces that may not be otherwise considered.

App security penetration checks for the following vulnerabilities:

- Insecure data storage
- Server-side controls strength
- Deficient transport layer protection
- Client-side injection vulnerabilities
- Poor authentication and authorisation
- Improper session handling
- Data flow issues
- Side channel data leakage
- Cryptography
- Confidential information disclosure
- And more

## MOBILE APP SECURITY CODE REVIEW

Hybrid review model ensures zero false positives

Paladion uses a comprehensive code review methodology that combines automated tools and manual vulnerability assessments. Manual code review helps reach those spaces that an automated tool cannot analyse, and it verifies every finding to reduce the number of false positives. Our experts also provide contextual remediation guidance for vulnerabilities, so your developers can save time fixing the security gaps.



**PALADION**  
HIGH SPEED CYBER DEFENSE

## ABOUT PALADION

Paladion is a global cyber defense company that provides Managed Detection and Response Services, DevOps Security, Cyber Forensics, Incident Response, and more by tightly bundling its AI platform - AI.saac and advanced managed security services. Paladion is consistently rated and recognized by leading independent analyst firms, and awarded by CRN, Asian Banker, Red Herring, amongst others. For 18 years, Paladion has been actively managing cyber risk for over 700 customers from its five AI-Driven SOCs placed across the globe.

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