



# WhiteHat Sentinel Mobile Express

## Mobile Application Security

Mobility, or smartphones and tablets, has dramatically changed the way business is conducted. Enterprises are building and supporting an increasing number of mobile applications. This development process features an accelerated lifecycle, with little time between design and production. Web app security is a mature process, one that does not translate well to mobile app development. Mobile application security requires new testing tools and approaches; not on emulators, but on physical devices in real-world attack scenarios.

WhiteHat Sentinel Mobile Express™, powered by NowSecure®, identifies vulnerabilities within mobile applications in production, helping create a secure ecosystem for organizations and users alike. Every vulnerability finding is verified by our Threat Research Center (TRC) to curate the results for nearly zero false positives and negatives.

WhiteHat Sentinel Mobile Express represents cutting-edge mobile application security testing. Mobile Express employs a combination of tools, processes, and expertise to deliver vulnerability management solutions in line with the guidelines of the OWASP Mobile Security Project.

## Sentinel Mobile Express Features

- » Supports iOS (Objective C), Android (Java), and Swift
- » Device-based fully automated testing
- » Used for all developer-signed binaries, does not require source code
- » Detailed reporting with results and verified, prioritized findings
- » Configuration-related checks
- » Data transmission-related checks
- » All results available in Sentinel
- » Provides detailed descriptions of vulnerabilities and offers remediation guidance
- » Ask a Question feature within Sentinel allows you to learn more from our TRC team about the vulnerability
- » 2 Post-remediation re-tests

## WhiteHat Sentinel Mobile Express Benefits



### Align mobile security strategy

Review critical mobile applications to achieve a Big Picture view of your organization's application security posture.



### Obtain verified, actionable results with near zero false positives

Our TRC validates every potential vulnerability so you can focus your remediation efforts on verified bugs and defects and save resources.



### Identify security issues and vulnerabilities in mobile application binaries

No source code is required for Mobile Express – we can look at any developer-signed binaries.



### Experience direct access to a dedicated team of security expertise

Access TRC engineers via Sentinel to ask questions regarding vulnerabilities and obtain remediation guidance.



### WHITEHAT THREAT RESEARCH CENTER:

WhiteHat Security's TRC is an elite team of security industry experts. The TRC is an integral component of the WhiteHat Sentinel™ Product Family, and an extension of your mobile development team.

Vulnerabilities identified by NowSecure tools and other proprietary algorithms in the Sentinel platform are verified by experts of the TRC using the latest techniques in mobile forensic discovery and security intelligence to ensure that you get actionable, confirmed results and near-zero false positives.



## Mobile Express Functionality Map

FEATURES AND CHECKS	
Code Obfuscation / encryption	Dynamic code downloading
Application Certification	Arbitrary code execution
Dynamic code loading / decompiling	Root execution
Improper SSL / TLS, SSL downgrade, enforcement	World-writable / World-readable files
Sensitive data leakage	.ZIP files
Arbitrary file writing	

