



WhiteHat Sentinel™ Mobile

PRODUCT FAMILY

A Comprehensive Approach to Mobile Assessments

Business has moved irrevocably to the mobile marketplace, and development teams are cranking out new applications at the speed of sound. The race is on to rapidly develop and deploy secure applications, with the subsequent challenge of securing an app whose functionality and framework are already determined. The WhiteHat Sentinel Mobile product suite provides options to help speed your time to market by identifying vulnerabilities earlier in the development lifecycle, lowering the cost of remediation. WhiteHat Sentinel identifies mobile application flaws for some of the largest companies in the world and helps protect their users and data.

WhiteHat Sentinel cutting-edge mobile application security testing combines dynamic and static automated scanning as well as optional manual mobile application-layer penetration testing by the expert security engineers of our Threat Research Center (TRC). Whether your focus is a critical need demanding quick scan results of a finished application, or continuous scanning to catch vulnerabilities earlier in development, or even a business logic assessment to satisfy PCI DSS requirements, we have you covered. Mobile findings are verified by expert analysis from our TRC with near zero false positives.

Mobile Application Security Testing Family

SENTINEL MOBILE STANDARD EDITION

Fast Results for Production

Analysis of developer-signed binaries and mobile-optimized websites, with all findings verified by the TRC for OWASP Top 10 Mobile vulnerabilities and more. Fast and effective for production-ready applications.



SENTINEL SOURCE FOR MOBILE

Constant Scanning Integration for the SDLC

Static code analysis of mobile source code identifies vulnerabilities and provides validated, actionable results. Integrates seamlessly with agile processes and tools including IDEs, ALM tools and Bug tracking systems.



SENTINEL MOBILE BUSINESS LOGIC ASSESSMENT

Mobile Application Pen Tests

Hands-on mobile application penetration testing, including data flow analysis and dynamic testing between the client and server. Fulfills PCI DSS requirements for annual manual penetration tests on mobile apps.



Vulnerabilities and Concerns

Sentinel Mobile scrutinizes a wide variety of vulnerabilities and privacy concerns on client, server, and network interaction including but not limited to the following:

- Configuration Settings
- Binary Analysis
- Anti-Analysis
- Jailbreak/Root Detection
- Authentication/Authorization
- Session Management
- Cryptography
- Data Handling
- Data Storage
- Handling of Personal Information
- PII protection
- Certificates and cryptography
- Server-Side Controls
- Information Leakage
- XSS and SQL Injections



WHITEHAT THREAT RESEARCH CENTER:

WhiteHat Security's TRC is an elite team of top security industry experts. The TRC is an integral component of the WhiteHat Sentinel Product Family, and the mobile security engineers of the TRC are an extension of your mobile security team. They:

- Provide on-demand answers to your vulnerability questions and guidance on remediation.
- Actively manage your risk posture.
- Build proofs of concept for mobile exploits.

Vulnerabilities reported by Sentinel platform are verified by experts of the TRC using cutting-edge vulnerability tests and proprietary algorithms to ensure that you get actionable, confirmed results and near zero false positives.

Sentinel Mobile Family Specifications



SENTINEL MOBILE STANDARD EDITION

- iOS, Android platforms, also Swift language support
- Fast results, scans binaries ready to go to market or code in development
- Does not require source code – but can be automated into the CI/CD environment
- Provides verified, prioritized vulnerability findings
- Checks for excessive permissions, misconfigurations, certificates, and more client-side issues
- 3-Scan Express Edition also available



SENTINEL SOURCE FOR MOBILE

- Supports both iOS (Objective C) and Android (Java)
- Ensures protection of intellectual property (IP) with on-premises scans
- Offers integrations with the mobile software development life cycle including IDE, bug tracking systems, and ALM tools
- Continuous scanning throughout the year and development cycle
- Includes software composition analysis to identify third party libraries in the code, including their versions, licensing information and any known vulnerabilities



SENTINEL MOBILE BUSINESS LOGIC ASSESSMENT

- Deeper cryptography-related checks
- Analysis of client and server interaction
- Review of application business logic and workflows
- Deeper application-layer penetration testing of information storage and data leakage
- Inter-process communication checks

Why Choose the Sentinel Mobile Product Family?



The right kind of analysis for mobile apps

Your mobile apps are often the least-scrutinized of all your company's assets. Find the right level of mobile application testing to fit your risk profile.



Role-based reports and dashboards

Our reporting is tailored to fit the roles and needs of DevOps, IT Security, and Executives.



Metric-based risk reduction

Track the number of flaws found and remediated, ensuring policy compliance and an accurate knowledge of mobile risk and severity.



Verified, actionable results with near-zero false positives

Our TRC validates findings, so you can focus your remediation efforts on verified bugs and defects and save resources.



Fully managed solution – no expertise required

With automatic CI/CD system integration, testing matches the speed of delivery for new features in the mobile app.



Direct access to a dedicated team of security expertise

Ask-a-Question feature of our TRC engineers to learn about vulnerabilities and obtain remediation guidance from the Sentinel portal.

APPLICATION SECURITY IS VULNERABILITY MANAGEMENT

You know you need to secure your entire application exposure surface as part of your vulnerability management program. WhiteHat Sentinel platform provides structure and reinforcement to help connect corporate goals, mandates, and policies for application security testing. We integrate training and education to help developers, testers, and operational teams to develop secure applications from inception to deployment. Let WhiteHat's Mobile Family help you produce safer mobile apps, faster.

About WhiteHat Security

WhiteHat Security has been in the business of securing web applications since 2001. Combining advanced technology with the expertise of its global [Threat Research Center](#) (TRC) team, WhiteHat delivers application security solutions that reduce risk, reduce cost and accelerate the deployment of secure applications and web sites. The company's flagship product, [WhiteHat Sentinel](#), is a software-as-a-service platform providing dynamic application security testing (DAST), static application security testing (SAST), and mobile application security assessments. The company is headquartered in San Jose, Calif., with regional offices across the U.S. and Europe. For more information on WhiteHat Security, please visit www.whitehatsec.com.