Background and Challenges

Today’s Enterprise applications enable the world to communicate and interact online. Businesses depend on applications to engage with customers, potential buyers, suppliers, partners, and employees. But with each passing year, the list of organizations breached through unprotected applications grows, spanning small start-ups and large international corporations alike. Security professionals have long emphasized the need for increased attention to application security, starting with application security testing and the need to integrate security into the DevOps process.

The Solution

WhiteHat Sentinel is a complete Application Security and Risk Management platform with integrated secure development, security testing and continuous monitoring. The Software-as-a-Service (SaaS) platform delivers a centralized set of products and services that enables businesses to quickly deploy a scalable application security program across their entire DevOps lifecycle. From WhiteHat’s Sentinel Source (SAST) and Software Composition Analysis (SCA) that helps secure application code, to Sentinel Auto API and Sentinel Dynamic (DAST) for complete API and web application security, and onto Mobile Application Security (MAST) and eLearning - WhiteHat Sentinel’s cloud-based platform guides your journey through DevSecOps.

With no deployment complexities and scalable on demand, WhiteHat Sentinel is the platform of choice to secure critical applications that enterprises depend on every day. By combining Sentinel products and the WhiteHat Threat Research Center security experts, WhiteHat Security can identify vulnerabilities with the highest accuracy and provide complete remediation guidance to significantly reduce the risk of security incidents. No matter how much code, how many websites, or how often they change, Sentinel delivers a centralized view to manage the vulnerability life cycle of your web applications.

WhiteHat combines Automation, Artificial Intelligence and Human Expertise to deliver unparalleled Application Security Testing to secure your entire DevOps lifecycle.
**PLATFORM HIGHLIGHTS:**

**Fits any environment and match your pace of development**
- Cloud enabled for ease of deployment and ability to scale as needed
- Flexible Deployment options for Cloud, Hybrid and on-premise architectures
- Continuous and on-demand testing to align with your unique business needs

**Track real-time and historical data measuring risk exposure trends**
- Complete visibility into web applications' security posture
- Attack Vector Intelligence (AVI) patented technology for vulnerability correlation
- WhiteHat Security Index (WSI) proprietary score for your overall application security profile

**Leverage AI and automation for faster, more effective threat response**
- Streamline the remediation process with only actionable findings
- Fully automated service uses AI software so developers can find fast and fix fast
- Access to actionable results within minutes of scan completion for faster remediation

---

**WhiteHat Security Threat Research Center**
- Extend Customers security teams with highly trained security experts
- Vulnerability verification, remediation guidance, proof of concepts, and active management of your risk posture
WHITEHAT SENTINEL PLATFORM   |   SOLUTION BRIEF

Complete visibility into risks introduced by third-party and open source code.

Software Composition Analysis (SCA) allows you to identify third-party and open source components that have been integrated into all your applications and for each of these components, it identifies:

» Open security CVEs (if any)
» Licenses
» Out-of-date library versions and age

TRAINING RESOURCES

WHITEHAT eLearning

Our eLearning provides an interactive experience to quickly bring security and professional teams up to speed. Your team will learn secure coding, mitigation, and defensive remediation at their own pace — in a web-based environment, accessible from anywhere.

» Continuing Professional Education (CPE) credit
» Enable you to meet PCI requirements
» Flexible licensing options

Build security from the first line of code.

Sentinel Source helps secure all stages of your Software Development Lifecycle (SDLC) by quickly identifying and fixing the latest vulnerabilities in application code. Sentinel Source helps you verify and fix costly vulnerabilities early, without the overhead of managing false positive results.

» Cloud-enabled SaaS model with no extra hardware or deployment complexities
» Seamlessly scans binary or source code – even partial code!
» Built-in SCA for third-party security vulnerabilities (CVEs), out-of-date versions, and license risks in the open-source libraries
» Meet compliance requirements and security policies
The front line of defense for secure DevOps.

WhiteHat offers three license levels of Dynamic Application Security testing (DAST) products to help secure your web applications, including single page architecture. No hardware or scanning software to install!

Sentinel Platform brings together Machine Learning and Human Security Expertise to deliver Dynamic Application Security Testing results with a near zero false-positive rate. Years of valuable data gathered by our highly trained TRC Security experts are used to develop our proprietary AI/ML models. Enables automated delivery of TRC validated results for earlier detection and faster response to possible evolving attacks.

### BE Baseline Edition
- Foundational solution for basic, less critical websites. Automated scanning and vulnerability verification solution ideal for low risk websites.
- Access to WhiteHat Security Index (WSI) which provides one score to assess the overall security posture of your application.

### SE Standard Edition
- For permanent websites, not necessarily mission critical.
- Concierge on-boarding and custom-tailored authentication process
- Includes all BE features and tests for issues involving forms and logins.

### PE Premium Edition
- For mission critical permanent websites with multi-step forms and rigorous compliance requirements.
- Includes all SE features plus manual business logic assessments (BLA) for comprehensive coverage to identify vulnerabilities that automated scanners cannot find.

---

API Security built into the DevOps workflows.

Sentinel Auto API is a fully automated Software-as-a-Service (SaaS) platform solution that provides complete vulnerability management and intelligence to plug security holes and better protect APIs. Powered by machine learning and backed by human validation, Sentinel Auto API is a high accuracy and virtually false positive free solution to secure your business-critical APIs.

- Seamless Integration into the Sentinel platform with a fully configurable API Editor for easy access control
- Quick and easy set up and configuration to start scanning your APIs immediately – all powered in the Cloud!
- Fast & scalable solution that can scan thousands of API endpoints concurrently and without any interruptions
- Unlimited access to WhiteHat's security experts for custom remediation guidance enabling you to take timely action on your API vulnerabilities

---

Helping produce safer mobile apps.

WhiteHat Sentinel Mobile provides cutting-edge mobile application security testing by employing a combination of dynamic and static automated scanning, as well as manual mobile business logic assessment performed by security engineers of our Threat Research Center (TRC).

- Assesses mobile application source code and mobile optimized websites
- Provides access to mobile security engineers
- Client-side testing, behavioral testing, network testing, client-server testing, business logic assessment, source code testing