



WhiteHat Sentinel Dynamic

We find vulnerabilities and help you fix them before the bad guys exploit them.

Modern organizations deploy a plethora of web applications, ranging from external facing corporate websites, customer portals, shopping carts, and login pages to internal facing HR portals. Accessible from any location, web applications today are an easy target for hackers, who can exploit vulnerabilities in these business critical applications and gain access to backend corporate databases.

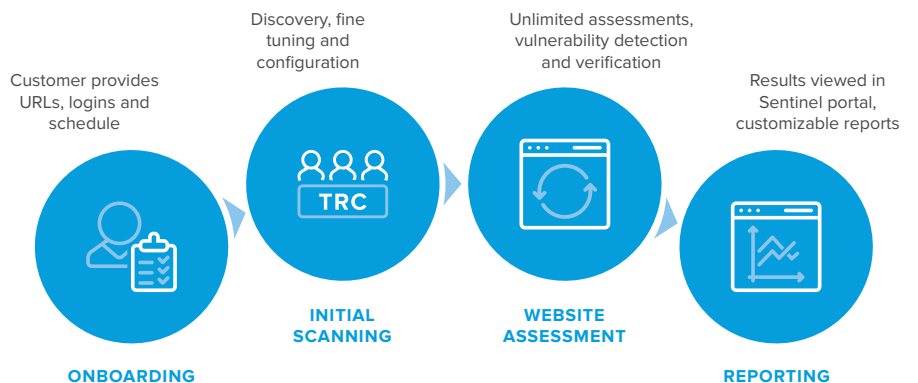
Sentinel Dynamic

WhiteHat Sentinel Dynamic is a software-as-a-service platform that enables your business to quickly deploy a scalable web security program. No matter how many websites or how often they change, Sentinel Dynamic can scale to meet any demand. We perform vulnerability assessments pit-crew style, which enables unparalleled efficiency and vulnerability coverage. WhiteHat takes the perspective of the adversary to find weaknesses and help you remediate them before the bad guys exploit them.

- Cloud based platform with no hardware or scanning software to install.
- Unlimited, continuous and concurrent assessments.
- Automatic detection and assessment of code changes to web applications.
- Open XML API integration to SIEMs, Bug Tracking systems and WAFs.
- Scalable to fit any environment and assess thousands of websites simultaneously.
- All vulnerabilities verified by the security experts of WhiteHat's Threat Research Center (TRC), virtually eliminating false positives.

How Sentinel Dynamic works

Sentinel Dynamic combines our automated Sentinel Scanner with the world's largest security expert team to provide you with verified vulnerabilities and actionable reports.



Sentinel Elite

- For mission critical production websites with multi-step forms and rigorous compliance requirements
- Includes all PE features and guarantees security with financial coverage in the event of a breach

Sentinel PE

Premium Edition

- For mission critical permanent websites with multi-step forms and rigorous compliance requirements
- Includes all SE features and business logic testing

Sentinel SE

Standard Edition

- For permanent websites, not necessarily mission critical.
- Includes all BE features and tests for issues involving multi-step forms and logins

Sentinel BE / BE Enterprise

Baseline Edition / Baseline Edition Enterprise

- BE is the foundational solution for basic, less critical websites
- BE Enterprise is massively scalable, "best value" solution for any environment

Feature	Description	Sentinel Elite	Sentinel PE	Sentinel SE	Sentinel BE / BE Enterprise
Continuous Assessment	Sentinel Dynamic is designed to scan websites continuously and detect code changes to web applications automatically.	✓	✓	✓	✓
Vulnerability Verification	All vulnerabilities are manually verified by the security engineers of our Threat Research Center (TRC), virtually eliminating false positives.	✓	✓	✓	✓
On Demand Retests	Ability to retest Sentinel detected vulnerabilities on-demand after remediation to confirm whether the vulnerabilities have been fixed.	✓	✓	✓	✓
Production Safe	The scanning payload used by Sentinel is equivalent to a single user, leading to no degradation in the performance of production websites.	✓	✓	✓	✓
Access to WhiteHat Security Engineers	Unlimited access to the Threat Research Center security engineers, directly from the Sentinel portal to discuss vulnerabilities found and obtain remediation guidance.	✓	✓	✓	✓
WhiteHat Security Index (WSI)	Instant, visual overview of the robustness of your website security with one score to monitor and manage.	✓	✓	✓	✓
Testing QA/Staging Environments	Pre-production/staging environments can be rigorously tested, if needed, to catch vulnerabilities before they reach production.	✓	✓	✓	✓
Flexible Reports	Enterprise class reporting with business unit level aggregation of data in flexible formats to monitor security trends for all your websites	✓	✓	✓	✓
Full Configuration and Form Training	This includes configuring scanners to scan websites with multi-step forms and logins.	✓	✓	✓	
Multi-level Authentication Testing	This feature includes assessing websites with authentication credentials.	✓	✓		
Business Logic Assessments	Manual penetration testing to find business logic vulnerabilities that cannot be discovered by scanners alone.	✓	✓		
Security Guarantee	Financial coverage in the event of a breach, a dedicated SME and 60 day platinum support	✓			

Supported Vulnerabilities

Sentinel Dynamic tests for a large number of vulnerabilities* including:

Technical Vulnerabilities - WASC Threat Classification 2.0

- Application Misconfiguration
- Directory Indexing
- HTTP Response Smuggling
- Improper Input Handling
- Insufficient Transport Layer Protection
- OS Commanding
- Remote File Inclusion
- SQL Injection
- XML External Entities
- XQuery Injection
- Content Spoofing
- Fingerprinting
- HTTP Response Splitting
- Improper Output Handling
- Mail Command Injection
- Path Traversal
- Routing Detour
- SSL Injection
- XML Injection
- Cross-Site Scripting
- Format String Attack
- Improper File System Permissions
- Information Leakage
- Null Byte Injection
- Predictable Resource Location
- Server Misconfiguration
- URL Redirector Abuse
- XPath Injection

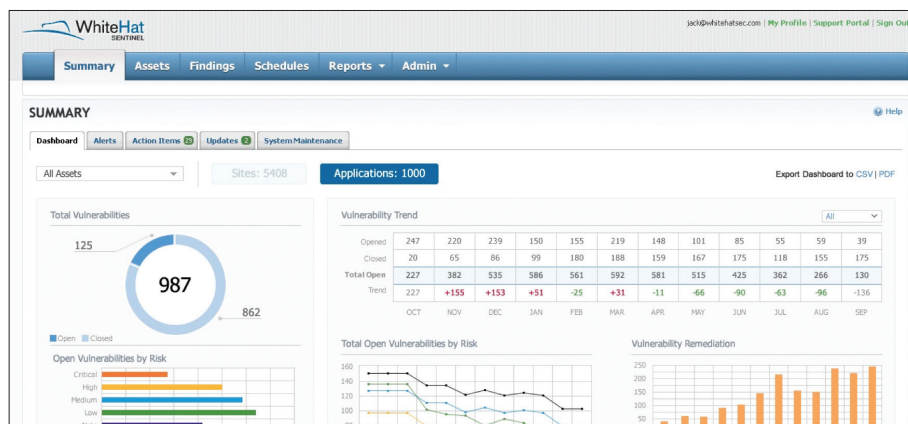
Technical Vulnerabilities - OWASP Top 10:

- A1 - Injection
- A2 - Broken Authentication and Session Management
- A3 - Cross-Site Scripting
- A4 - Insecure Direct Object References
- A5 - Security Misconfiguration
- A6 - Sensitive Data Exposure
- A7 - Missing Function Level Access Control
- A8 - Cross-Site Request Forgery
- A9 - Insufficient Transport Layer Protection
- A10 - Unvalidated Redirects and Forwards

*A complete list per product line available upon request.

Enterprise class reporting in flexible formats

The Sentinel user interface provides you with reports enabling organizations to understand the performance of their security programs and improve their security posture. Advanced analytic capabilities monitor trends and key statistics such as remediation rates, time-to-fix and age of the vulnerabilities. Trending analysis tracks real-time and historical data to measure your risk exposure over time and to provide you visibility into your most and least secure websites at a glance.



WhiteHat Security Index

The WhiteHat Security Index (WSI) gives you an instant, visual overview of the robustness of your website security with one score to monitor and manage the overall application security. Calculated from a comprehensive set of indicator data and based on our extensive experience with intelligence metrics and our broad base of customers in a variety of industries. This score truly reflects the state of application security across all your websites. With WSI insights, you can reduce risks, save time, prioritize activities and improve overall security.

What makes Sentinel Dynamic unique?



Easy to deploy, concurrent and scalable

Sentinel Dynamic is an easy to deploy cloud based platform and can concurrently scan an unlimited number of sites without slowing you down. It is scalable to fit any environment and matches your pace of development. We can onboard and test 10,000+ websites concurrently.



Continuous assessment methodology

Sentinel Dynamic offers true continuous assessment, constantly scanning your website as it evolves. Automatic detection and assessment of code changes to web applications, alerts for newly discovered vulnerabilities and the ability to retest a vulnerability without having to test from the beginning offering “always-on” risk assessment.



Production safe

Sentinel Dynamic is completely safe for production websites, with no performance degradations. We assure data integrity by using benign injections in place of live code and custom tuning of scans permits full coverage without performance impact.



Verified, actionable results with near zero false positives

WhiteHat's Threat Research Center (TRC) validates every vulnerability, virtually eliminating false positives. We enable you to streamline the remediation process by prioritizing vulnerabilities based on severity and threat, so you can focus on remediation and your overall security posture.



Open XML API integration

Sentinel Dynamic can be integrated with popular bug tracking systems, Security Information and Event Management (SIEM), Governance Risk and Compliance (GRC) and Web Application Firewall (WAF) products.



Unlimited access to web security experts

With Sentinel Dynamic you have unlimited access to our Threat Research Center (TRC), custom remediation guidance, and the “Ask a Question” feature which enables you to access security experts at any time, right from the Sentinel Portal.



PCI Compliance

Sentinel Dynamic services exceed the requirements on PCI DSS 3.1 by providing ongoing, verified, vulnerability assessments for both internal and public websites. Sentinel PE service includes business logic assessments and penetration testing required by PCI DSS. Sentinel integrations with WAFs supports the creation of virtual patches to fix vulnerabilities while providing the reports needed to pass auditor inspections.

About WhiteHat Security

Founded in 2001 and headquartered in Santa Clara, California, WhiteHat Security is the leader in application security, enabling businesses to protect critical data, ensure compliance, and manage risk. WhiteHat is different because we approach application security through the eyes of the attacker. Through a combination of technology, more than a decade of intelligence metrics, and the judgment of real people, WhiteHat Security provides complete web security at a scale and accuracy unmatched in the industry. WhiteHat Sentinel, the company's flagship product line, currently manages tens of thousands of websites – including sites in highly regulated industries, such as top e-commerce, financial services, and healthcare companies. For more information on WhiteHat Security, please visit www.whitehatsec.com.



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