



# WhiteHat Security Index

Managing application security is challenging. Wouldn't it be great to have one number that would show you the security status of your websites at a glance? One number that would help you pinpoint high-priority actions and improve your security posture?

You know how important – and complex – it is to manage application security. Even for a single website, you need to configure for scanning, monitor scan status, define remediation SLAs, determine remediation priorities, and remediate vulnerabilities, to make sure it remains secure at all times. The more websites you have, the more difficult it is to spot the websites that need immediate attention or to determine whether or not your websites' security is improving.

## The Power of One Site, One Score

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 risk, save time, prioritize activities, and improve overall security.

## WSI in Detail

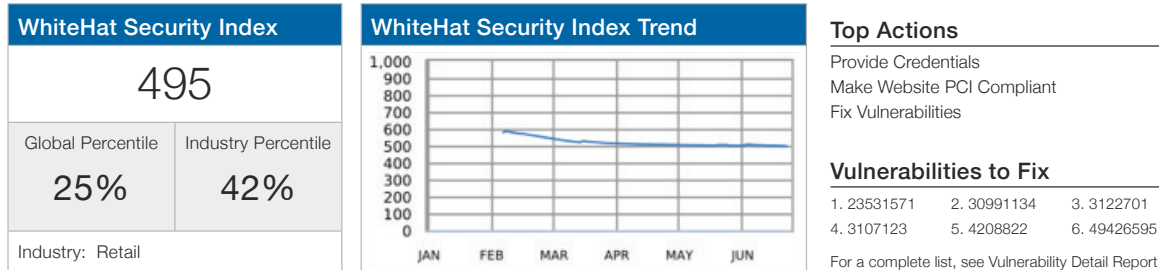
WSI is a measure of a website's security profile, based on a multitude of data signals that impact the security status and change over time – information like website configuration, scanning frequency, vulnerability history, remediation rate, window of exposure and website complexity. The WSI is a single number, between zero and 800. The higher the number, the better the security. The WSI report also shows a global percentile rank and an industry percentile rank. These indicate how the website's security index compares to other websites across all industries, or within a given industry. For example, if a website's Global Percentile is 70%, then 30% of all the websites scanned by WhiteHat Sentinel are more secure.

Site: [www.retailsite.com](http://www.retailsite.com)

WhiteHat Security Index	
<b>495</b>	
Global Percentile	Industry Percentile
<b>25%</b>	<b>42%</b>
Industry: Retail	

You can monitor the score for an individual website over time and see if the overall security posture is improving or not. The report makes it easy to prioritize, too, by presenting specific information on the highest priority actions to take and the most critical vulnerabilities to fix to improve overall security.

Site: www.retailsite.com



The WSI report also allows you to see the scores of multiple websites holistically, so you can quickly zero in on those that need immediate attention.

Site Name	Security Index	Global Percentile	Industry Percentile	Missing Credentials	Missing Schedule	PCI Non-Compliant	Open Vulnerabilities
<b>West Coast Dev (4 Sites)</b>							
health.companyname.com	265	1%	N/A			Yes	40
news.companyname.com	514	32%	37%	Yes			15
finance.companyname.com	356	56%	62%				9
shopping.companyname.com	495	25%	42%	Yes		Yes	6
<b>Sub-total</b>				<b>2</b>	<b>0</b>	<b>2</b>	<b>70</b>

## Complex Analysis of Multiple Signals

WSI is calculated from many data signals, using our robust proprietary algorithms, which take into account factors like:

**Website configuration:** Some websites require authentication for the scanner to access and test pages. If a website is improperly configured, not all pages will be tested, lowering the WSI score.

**Scanning frequency:** The more regularly a website is scanned, the more likely vulnerabilities will be detected before they can be exploited – resulting in a higher WSI score.

**Vulnerability history and remediation rate:** These are critical factors that provide a perspective on the number of vulnerabilities in the past, and how quickly and completely they are remediated. Websites with timely vulnerability remediation are rewarded with higher WSI scores than those with vulnerabilities left unaddressed for long periods of time.

**Window of exposure:** The number of days during the last 30 days in which the website was exposed to a serious vulnerability. A high window of exposure over the last 180 days adversely impacts the WSI score.

**Site complexity:** This metric provides context to all the factors above, and is built into the WSI calculations. Complexity is determined based on the number of forms on the website and put/post requests.

## WSI Benefits for your Organization

### Effortless Visibility

#### **See your most and least secure websites at a glance.**

CISOs and SecOps teams can compare WSI scores to identify the most and least secure websites at a glance. Trend graphs for each website show how the security state is changing over time. This allows teams to monitor trends and take corrective actions as needed.

### Data Driven Risk Prioritization

#### **Pinpoint websites that need immediate attention.**

WSI prioritizes the websites that need attention now, and for this reason, the SecOps team does not need to spend time looking for and monitoring multiple factors (scan schedule, credentials, vulnerability count, vulnerability ratings, remediation history, window of exposure) in order to assess security risks. With WSI, they can monitor and manage the security status of a website with just one score.

### Directed Guidance

#### **Get detailed, website-specific remediation information.**

The WSI report offers specific guidance, such as a prioritized list of vulnerabilities that need to be fixed and any configuration-related changes needed to improve the overall security status. Both SecOps and DevOps teams benefit from this detailed information, focusing resources on the most pressing issues rather than searching for high-priority issues or making decisions subjectively.

### Peer Benchmarking

#### **Compare your websites' security to others in your industry, or in general.**

Compare the security status of your websites with others in the same industry (using the industry percentiles) or globally across all industries (using the global percentiles) as a benchmark for immediate action or future tracking.

## Learn More

WSI is designed to encourage application security by helping you assess and prioritize websites instantly. To learn more about how WSI can help you reduce risk, save time, prioritize activities and improve overall security, contact us at <https://www.whitehatsec.com/company/contact/>

