

Real-Time Advanced Threat and Malware Cloud Defense

Advanced threats and targeted attacks evade traditional defenses, increasing the risk of security incidents and data theft. And these threats evolve faster than the upgrade cycles of fixed security assets. Real-time cloud defenses provide an additional security layer to stay ahead of evolving threats and deliver a clean pipe from the Internet.

Why WebSense® ACE in the Cloud?

Unlike other solutions using static defenses that mirror what you have, ACE in the Cloud provides unique real-time defense assessments for security, data and content analysis. Web page content, active scripts, exploit code, obfuscated commands and web redirects are analyzed in real-time along with malicious files, PDFs and executables. WebSense ACE (Advanced Classification Engine) combines seven security defense assessment areas that work together in a predictive composite scoring defense against advanced threats and targeted attacks.

Real-time advanced threat analysis for dynamic cybercrime evasion techniques.

- Targeted attacks may use dynamic lures, redirects, exploit kits, dropper files and call-home requests that traditional signature defenses often fail to detect.
- A clean pipe cloud defense layer that integrates with existing internal defenses for added protection against advanced threats, spear-phishing and targeted attacks.
- Avoid overlap with existing AV and URL filtering deployments by adding real-time cloud defenses with low impact on processes, procedures and administration.
- Easy to evaluate as an in-the-cloud defense that immediately shows value by reducing risk.



ACE in the Cloud provides a clean Internet pipe using real-time defenses against advanced threats and targeted attacks.

Advanced threat awareness, analysis and research drive ACE defenses and analytics.

- ACE inline real-time defenses contain over 10,000 analytics and seven defense assessment areas developed and maintained by WebSense Security Labs™, which comprises four global locations working 24/7.
- ACE security intelligence and defenses are derived from the WebSense ThreatSeeker® Network, which unites over 900 million endpoints and analyzes 3-5 billion requests per day in real-time, including social media. It also correlates web and email links.
- ACE real-time analysis is based on composite scoring from defense assessment areas where additional defenses are activated as a predictive defense engine.

PROTECTIONS

WEB EMAIL DATA

PLATFORMS

SOFTWARE APPLIANCE CLOUD HYBRID

Reduce risk from modern malware with an easy-to-deploy, in-the-cloud layer of real-time defense.

- Cloud defense layer provides a clean Internet pipe to main and branch offices with low impact to existing infrastructure, controls or reporting.
- Uses the web security expertise of WebSense Security Labs and the security intelligence and awareness of the ThreatSeeker Network embedded in ACE real-time defense assessments.
- Decreases malware infection rates and helpdesk tickets related to advanced threats using evasive techniques that traditional defenses often fail to detect.

Proven WebSense TRITON™ architecture and security leadership.

- WebSense wins 2012 SC Magazine award for "Best Enterprise Security Solution".
- WebSense tops the IDC Worldwide Web Security 2011-2015 Forecast for the 4th consecutive year, Feb. 2012.
- Gartner MQ leaders quadrant for Secure Web Gateway (SWG) and Content-Aware Data Loss Prevention (DLP).
- WebSense TRITON Enterprise earned perfect product reviews in SC Magazine (5 of 5 stars) and IT Pro (6 of 6 stars), Sept. 2011.

"Signature-based tools (anti-virus, firewalls, and intrusion prevention) are only effective against 30-50 percent of current security threats. Moreover, customers expect the effectiveness of signature-based security to continue to decline rapidly."

IDC Threat Intelligence Update,
Feb. 14, 2012

The Websense difference: ACE (Advanced Classification Engine)

ACE provides real-time, inline, contextual defenses for web, email, data and mobile security by using composite risk scoring and predictive analytics to deliver the most effective security available. It provides containment by analyzing inbound and outbound traffic with data-aware defenses for data theft protection. Classifiers for real-time security, data and content analysis — the result of years of research and development — enable ACE to detect more threats than traditional anti-virus engines every day (the proof is updated daily at securitylabs.websense.com). ACE is the primary defense behind all Websense TRITON® solutions, and is supported by the ThreatSeeker Network, which collects data from more than 900 million endpoints and analyzes 3-5 billion web requests every day.



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Your Needs	Websense Solutions
Real-time protection against advanced malware, targeted attacks and spear-phishing	Uses ACE, going beyond anti-virus defenses to provide contextual awareness, composite risk scoring and multi-layered, real-time analysis of web threats.
Prevent malware from entering your network and stealing your data	Scans and analyzes social media sites and content in real-time to prevent malware and advanced attacks from entering your network and stealing data or damaging your brand.
Minimal impact on existing infrastructure, operations and administration	ACE in the Cloud is an easy-to-deploy cloud service that augments current proxy gateways and inline defenses with minimal impact.
Threat analysis sandbox	The Websense ThreatScope™ malware sandbox, a part of the optional Websense CSI: On-Demand service, provides complete ACE analysis of infection steps, system updates and call-home requests.
Zero-hour threat protection and research	Security Labs has four locations around the globe, staffed with experts in malware reverse engineering, obfuscation, big data clusters and analysis, querying and statistical models. Machine learning provides key advancements in predictive defenses used in ACE.
Enterprise support and certified partners	Unlimited, 24/7 access to Websense award-winning Premium Support. Plus, certified partners with a TRITON Olympian status have full expertise to assist with deployments and configurations.
Cloud connectivity	Supports proxy chaining and direct cloud connections.
Cloud datacenter certification	ISO 27001-certified cloud infrastructure with over a decade of experience and investment. Worldwide carrier-grade datacenters with 24/7 staffing using physical intrusion detection systems, video surveillance and restricted access lists with photo and biometric verification.



Mobile, social, and cloud technologies drive productivity. But they also open the door to data theft and advanced attacks that can slip right by anti-virus, URL filtering and firewall defenses. Websense® TRITON™ solutions keep you a step ahead with web, email, data and mobile security solutions (available together or separately) that share a common architecture. The real-time defenses of Websense ACE (Advanced Classification Engine), plus flexible deployment options and a unified management console, make TRITON solutions vital in today's dynamic environments.

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