

Trend Micro

NONSTOP SECURITY FOR WEB APPS

Vulnerability detection and protection for web applications

Threats targeting web applications are increasing rapidly in number and intensity because they are easy to exploit and have access to extremely valuable information. The impact of a successful attack, whether it's direct financial loss, disruption to brand reputation, or loss of customer trust, can put your organization's future at risk. Increasingly, these web applications are being hosted not only in the data center, but also in the cloud, further compounding the complexity of keeping them secure.

The SANS Institute puts web application security in their list of top 20 critical security controls because web applications are such a common entry point for attack. Although many web application attack methods, such as SQL injection, are well known and can be prevented with secure coding practices, it is still the leading security risk. According to a recent data breach study, it was used in 80 percent of the web application data breaches in 2013*. In addition, the study found that 60 percent of attacks compromised sites in minutes or less.

Traditional approaches to vulnerability scanning are based on detecting basic platform vulnerabilities, but there are vulnerabilities at the application layer that can be exploited easily without ever touching a server. For example, with SQL injection, data can be stolen from a database with a simple query—one that can't be prevented with only server level security. And, testing at the application level, if it is done, is performed infrequently. With rapid changes to web applications, vulnerabilities quickly accumulate. This leads to an overwhelming list of issues when scans are run, including many false positives—making it hard to identify and prioritize important issues.

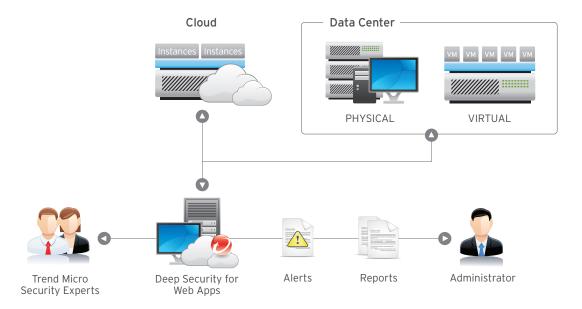
Because attacks can cause major damage in almost no time at all, continuous monitoring is an essential element of any web application security strategy. To fully protect your applications and data, you need to be able to not only find vulnerabilities at the application layer, but also address them immediately.

Deep Security for Web Apps provides a complete suite of security capabilities to detect threats and vulnerabilities, and protect web applications in a single integrated solution. It's a hosted service so you can be up and running very quickly with minimal configuration and setup required. Plus, everything is managed through a single console with role-based access for efficient management. Detailed vulnerability reports consolidate results from automated application scanning and human-augmented site audits, so you can pass actionable insight on to application development teams. Customizable reports provide higher level insight and trending information so you can keep executives and other teams informed. Plus Trend Micro™ SSL extends protection with unlimited SSL certificates to protect server to site visitor communications and transactions.

Choose Trend Micro for all your web application security needs:

- Comprehensive Detection: Continuous, automated scanning of applications and platforms, plus app logic testing by security experts
- **Integrated Protection:** Integration with leading WAF vendors to quickly generate rules
- Centralized Management: Cloud-based, centralized console that provides a consolidated view of all of your vulnerabilities and protection
- Globally Trusted SSL certificates: Extend protection with unlimited SSL certificates to protect application communications and transactions





Nonstop Security for Web Apps: Powered by the Deep Security Platform

THE SMART SOLUTION FROM A GLOBAL SECURITY LEADER

DETECTS AND SHIELDS VULNERABILITIES

Deep Security for Web Apps has unparalleled depth and breadth of vulnerability detection. Using both automatic scanning and hands-on application logic testing by security experts, this complete solution detects a wide breadth of web app vulnerabilities, while avoiding the false positives that could bog down your security team. Capabilities include:

- Detection of application vulnerabilities including all of OWASP's Top 10 web application security risks
- Comprehensive platform vulnerability scanning (operating system and server) with more than 50,000 checks covering PCI requirements and WASC testing criteria
- Periodic site audits by security experts to detect vulnerabilities that automatic scanning alone can't catch
- False positive removal from application scan results to help you prioritize issues and simplify mitigation
- Comprehensive malware scanning to check if your web server is delivering malware to site visitors, to keep you off Google's blacklist
- Monitoring of web application reputation to check all foreign links on your site to ensure you're not pointing to any threat vectors or inappropriate content
- Scheduling of regular scans or run them on-demand to continuously detect vulnerabilities, making you a more difficult target for hackers and helping you comply with PCI DSS requirements

Pre-authorized Scanner for AWS

Deep Security for Web Apps has been certified by AWS as a Pre-Authorized Scanner, eliminating the need for advanced approval or manual steps to run a vulnerability scan on your web application.



INTEGRATES DETECTION AND PROTECTION

When application vulnerabilities are discovered, native Web Application Firewall (WAF) rules are generated for easy import into an already deployed WAF. These rules equip you to defend against application exploits before you are able to fix the code and configuration.

A properly tuned WAF helps protect web apps and is an important element for meeting PCI DSS requirements. Deep Security for Web Apps is integrated with WAF leaders like Citrix, Imperva, and AlertLogic—providing XML output so you can quickly rollout new WAF rules without adversely affecting application traffic. Trend Micro also provides native WAF rules for the ModSecurity open source WAF to protect against known vulnerabilities.

UNLIMITED SSL CERTIFICATES AVAILABLE WITH TREND MICRO SSL

You can also help protect web applications with SSL certificates. Some vulnerabilities, such as broken authentication and session management can be mitigated with the use of SSL certificates.

Trend Micro SSL includes unlimited SSL certificates, including Extended Validation (EV) certificates, to increase visitor trust and engagement. Trend Micro is a global certificate authority with root certificates embedded in 99+ percent of browsers and support for key certificate capabilities like Subject Alternative Names (SAN).

Contact Trend Micro to learn more about Deep Security for Web Apps and Trend Micro SSL.

Trend Micro Deep Security for Web Apps gives us greater visibility into our vulnerabilities and allows us to quickly address those issues and focus our IT efforts more efficiently.

Mark Dunkerley

Team lead, messaging and domain services Adventist Health System Information Services

ABOUT TREND MICRO

As a global leader in cloud security, Trend Micro develops security solutions that make the world safe for businesses and consumers to exchange digital information. With more than 25 years of experience, Trend Micro delivers top-ranked security that fits customers' needs, stops new threats faster, and protects data in physical, virtualized, and cloud environments.

Comprehensive Web Application Security

Trend Micro Deep Security for Web Apps provides a single, integrated SaaS solution that continuously detects threats and vulnerabilities, and protects web applications. It helps you protect sensitive data from attack and meet government and regulatory requirements. Our security experts test websites for logic vulnerabilities and remove false positive results from scans, allowing you to focus on the important issues. Plus, integration with leading WAFs provides quick deployment of rules that block vulnerabilities from exploitation.



Securing Your Journey to the Cloud

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