Unmatched, Adaptive Web Security Protection

Radware's Cloud WAF Service provides enterprise-grade, continuously adaptive web security protection and is based on Radware's ICSA Labs certified, market-leading web application firewall. Cloud WAF includes full coverage of OWASP Top-10 threats and automatically adapts your protections to evolving threats and protected assets.

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Web assets are always kept protected, even while applications constantly change and threats rapidly evolve, assuring web security is future proof.

Peace of Mind is Just a Click Away
Activated through a simple DNS change, with no additional hardware or software installed, Radware's Cloud WAF Service is easily deployed to provide web security coverage in the shortest time-to-deploy.

Figure 1: Cloud Security Services Portal Dashboard

Fully Managed Security Service
Fully managed, 24x7 service provided by Radware's Emergency Response Team (ERT) – a dedicated group of security experts that assume full responsibility to configure and update security policies as well as actively monitor, detect, alert and mitigate attacks in real time.

Continuously Adaptive Protection
Built with state-of-the-art machine learning technologies, Radware's Cloud WAF Service implements both negative and positive security models that automatically detect application domains, analyze potential vulnerabilities, and assign optimal protection policies. This allows rapid detection and mitigation of zero-day attacks and the continuous fine-tuning of security policies due to changing application usage patterns.

Sophisticated Malware Protection with Device Fingerprinting

Offers IP-agnostic source tracking to help address the threats posed by advanced bots, such as web scraping, web application DDoS, brute force attacks for password cracking and clickjacking. Radware's Cloud WAF Service can detect malicious sources operating in a dynamic IP environment and activity behind a source NAT, such as an enterprise network or proxy.

Easy, Flexible Model

The service is offered in a simple, OPEX-based model with three packages to choose from (Silver, Gold & Platinum). It's simple to setup with no deployment process or download/install of items. Once implemented, Radware's security experts have immediate access and require no customer interaction or resources to get started. A cloud-based customer portal gives visibility and insights into application security.

Unified, Hybrid Solution

The same market-leading WAF technology used by both on premise appliances and cloud service provides unified protection with no security gaps between on premise and cloud-based applications and facilitates quick and easy migration of applications to the cloud.

Always-On Behavioral-Based DDoS Protection

With DefensePro, Radware's market-leading DDoS attack mitigation technology, the service includes anti-DDoS, Network Behavioral Analysis (NBA) and IPS technologies to protect from network and application downtime, application vulnerability exploitation, malware spread, network anomalies, information theft and other emerging cyber-attacks. Radware's DDoS protection employs multiple detection and mitigation modules, including adaptive behavioral analysis, challenge response technologies and signature detection, to minimize false positives and any impact on legitimate traffic.

ATTACK CATEGORIES COVERED

TCP Termination & Normalization
- HTTP Protocol (e.g. HRS)
- JSON and XML Attacks
- Path Traversal
- Base 64 and Encoded Attacks

Login Protection
- Password Cracking – Brute Force

Attack Signature Rules
- Cross Site Scripting (XSS)
- Server Side Includes (SSI)
- Injections: SQL, LDAP
- OS Commanding

LFI/RFI Protection
- Local File Inclusion
- Remote File Inclusion

Session Protection
- Cookie Poisoning
- Session Hijacking

Data Leak Prevention
- Credit Card Number (CCN)
- Social Security (SSN)
- Regular Expression

Access Control
- Predictable Resource Location
- Backdoor and Debug Resources
- File Upload Attacks

DDoS Protection
- Behavioral Network DDoS
- Behavioral Application DDoS
- Network Challenge Response
- HTTP Challenge Response
- Access List
- Volumetric DDoS (add-on)

Custom-Built to Meet Specific Web Security Needs

Radware's Cloud WAF Service is available in three packages.

- **Silver** - Offers a single policy per customer where the policy is configured to secure against common web attacks (e.g. SQL injections, XSS).

- **Gold** - Offers a policy per domain where the policy is configured to protect against data and access centric attacks as well as common web attacks (e.g. Application Access Control, Data Leakage Prevention, Login Page protection, Cross Site Request Forgery).

- **Platinum** - Offers a policy per domain where the policy is configured to secure against zero-day attacks on top of the attacks blocked in silver and gold levels (e.g. application pages and parameters profiling, cookies protection, XML and web services configuration).

DDoS protection up to 1Gbps of attack traffic is included in all packages. This includes behavioral network and application layer DDoS protection with network challenge response. All packages can be upgraded to add protection from larger volumetric DDoS attacks via Radware's Always-On Cloud DDoS Protection Service that provides always-on protection for all types of DDoS attacks. The service is offered based on the amount of legitimate traffic and provides protection from an unlimited number of attacks per month.
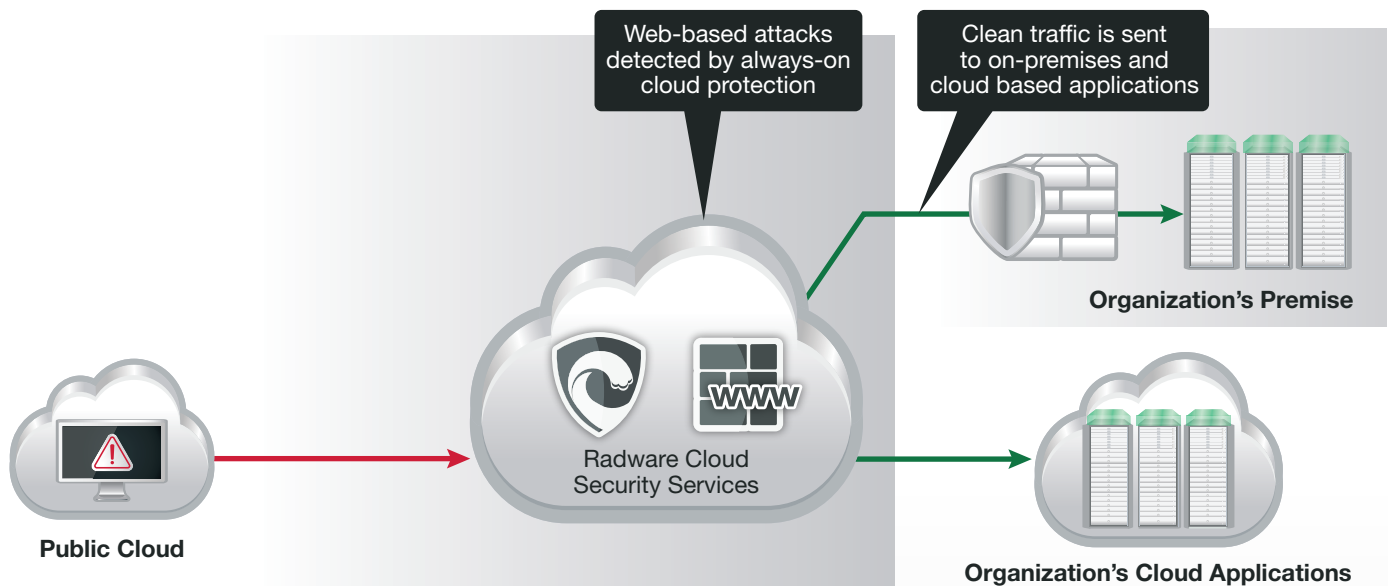
Figure 2: Radware's Cloud WAF Service

Part of the Radware Cloud Security Services, Radware's Cloud WAF Service offers an enterprise-grade WAF in an easy to use, hassle free service. This service provides unmatched, always-on protection from web-based attacks that includes full coverage of OWASP Top-10 threats and automatic learning and generation of policies, as well as behavioral-based DDoS attack protection.

Radware Cloud Security services are officially certified and fully compliant with all the requirements of the following security-related standards:

- PCI-DSS v3.1 (Payment Card Industry Data Security Standard)
- ISO/IEC 27001:2013 (Information Security Management Systems)
- ISO/IEC 27032:2012 (Security Techniques -- Guidelines for Cybersecurity)
- ISO 28000:2007 (Specification for Security Management Systems for the Supply Chain)

In addition, Radware Cloud Security services and its data centers worldwide are certified with all the requirements of the following quality-related standards:

- US SSAE16 SOC-1 Type II, SOC-2 Type II
- ISO 9001:2008 (Quality Management System)
- ISO 14001:2004 (Environment Management System)
- ISO 22301:2012 (Business Continuity Management Systems)
- ISO 50001:2011 (Energy Management Systems)
- OHSAS 18001:2007 (Occupational Health & Safety)

About Radware

Radware® (NASDAQ: RDWR), is a global leader of application delivery and cyber security solutions for virtual, cloud and software defined data centers. Its award-winning solutions portfolio delivers service level assurance for business-critical applications, while maximizing IT efficiency. Radware's solutions empower more than 10,000 enterprise and carrier customers worldwide to adapt to market challenges quickly, maintain business continuity and achieve maximum productivity while keeping costs down. For more information, please visit www.radware.com.

Radware encourages you to join our community and follow us on: Facebook, Google+, LinkedIn, Radware Blog, SlideShare, Twitter, YouTube, Radware Connect app for iPhone® and our security center DDoSWarriors.com that provides a comprehensive analysis on DDoS attack tools, trends and threats.

Certainty Support

Radware offers technical support for all of its products through the Certainty Support Program. Each level of the Certainty Support Program consists of four elements: phone support, software updates, hardware maintenance, and on-site support. Radware also has dedicated engineering staff that can assist customers on a professional services basis for advanced project deployments.

Learn More

To learn more about how Radware's integrated application delivery & security solutions can enable you to get the most of your business and IT investments, email us at info@radware.com or go to www.radware.com.