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VALUE-ADDED SECURITY SERVICES FOR MSSPS WITH RADWARE AMS

Radware enables Managed Security Service Providers (MSSP) to offer various levels of DoS/DDoS protection and web application firewall (WAF) as a service to customers.

Challenge
As network availability attacks continue to grow in frequency and complexity, Managed Security Service Providers (MSSP) need a solution to help their customers mitigate attacks and win the extended and persistent DoS/DDoS battle.

Solution
Radware's family of security solutions provide integrated application and network security as well as a security management tool that delivers a best of breed, multi-layered security architecture protecting against network and application downtime, application vulnerability exploitation, malware spread, information theft, web service attacks and web defacement.

Benefits
- Fully managed value added services
- Flexible deployment options
- Widest security coverage
- Shortest time to mitigate
- Single point of contact for DDoS mitigation support with Radware's ERT

The frequency and complexity of network availability attacks has significantly increased. Radware's 2013 Global Network and Application Security report showed 87% of respondents to Radware's Security Industry and Security Executive Surveys experienced some type of service level disruption. Additionally, this report reveals an increase in multi-vulnerability attack campaigns, where different attack vectors are used in parallel and target multiple vulnerability points at different layers of the infrastructure including network, servers and applications.

Web attacks gain access to corporate assets through web applications. PCI compliance maintenance increases deployment of web application firewalls (WAF). However, configuring and maintaining a WAF requires knowledge, skills and extensive human resources. Many companies looking to protect their web presence look for WAF as a service to reduce CAPEX investment.

MSSPs are faced with major challenges such as new attack vectors, growing capacity needs, and on-going maintenance concerns. As the challenges for MSSPs evolve, traditional DDoS protection and web application firewall tools no longer deliver the necessary protection for attack mitigation. In addition, these solutions are complicated to manage and are neither scalable nor profitable enough.

Value-Added Service Packages
Radware's family of security solutions provide integrated application and network security as well as a security management tool that delivers a best of breed, multi-layered security architecture. Radware's Attack Mitigation System (AMS) is the industry's first fully integrated IT security solution that protects application infrastructure in real time, against network and application downtime, application vulnerability exploitation, malware spread, information theft, web service attacks and web defacement.

To successfully detect and mitigate today's threats, Radware AMS offers multiple, flexible service packages designed for MSSP deployment:

Service Package	Protection Offering	Deployment Type
Basic DoS Protection	• Volumetric network flood attacks • Application DDoS attacks (HTTP, DNS) • Low & slow DoS attacks	On Demand
Proactive DoS Protection	• Basic DoS Protection package	Always-on
Advanced DoS Protection	• Basic DoS Protection package • SSL flood attacks protection	Always-on
Premium - DoS Protection & WAF	• Advanced DoS Protection • Web application attacks • Web Stealth attacks	Always-on

Deployment Options

AMS provides MSSPs a unique hybrid solution that combines CPE "Always On" real-time attack detection and mitigation tools with economic scrubbing centers for volumetric attack scrubbing. This combination ensures that attacks targeting your customers are dealt with optimally and instantly, providing the most comprehensive protection against the full gamut of attack vectors, with the shortest time to protection.

- Full coverage of all availability attacks (network and application attacks)
- Immediate attack detection and mitigation at the customer premises
- Single point of contact when under attack – Radware Emergency Response Team (ERT) assists in mitigating attacks in real-time
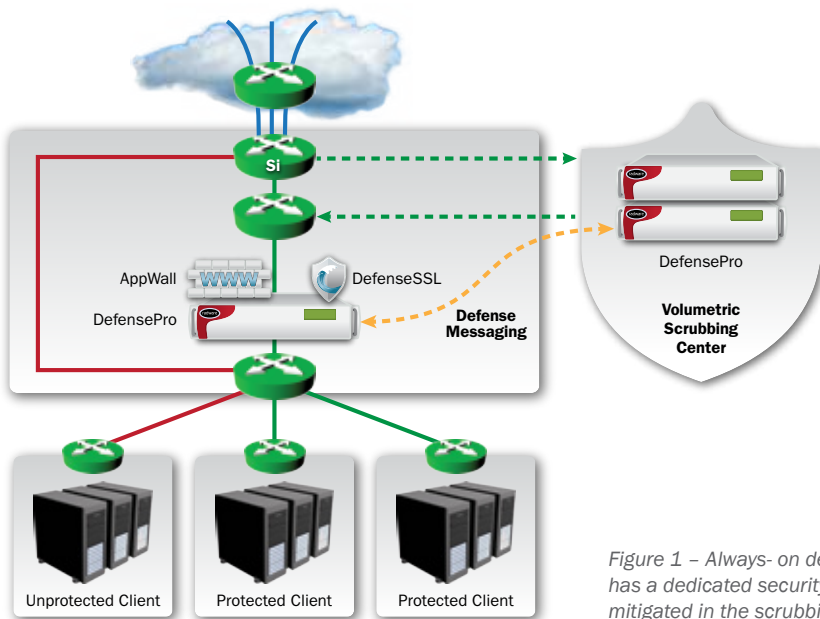- Detailed reporting and forensics per protected customers

Figure 1 – Always- on deployment of AMS components: Each protected customer has a dedicated security policy on the shared devices; volumetric attacks are mitigated in the scrubbing center.
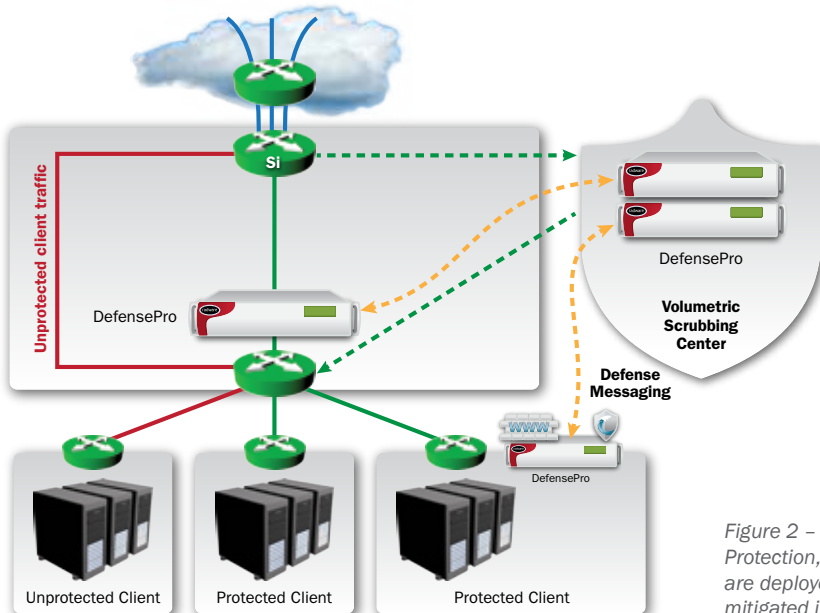

Figure 2 – Always- on deployment of AMS components: DDoS Protection, SSL mitigation and Web application attack protection are deployed at the customer premises; volumetric attacks are mitigated in the scrubbing center.

AMS Components

- **DefensePro** – multi-tenant network and application DoS attack mitigation solution, deployed inline as CPE, providing always- on full protection against multi-vector DDoS attacks.

- **AppWall** – web application firewall securing web applications and ensuring the availability and integrity by mitigating web application security threats and vulnerabilities.

- **DefenseSSL** – mitigating SSL based attacks using unique challenge-response mitigation techniques, delivering the lowest latency SSL mitigation solution in the industry, as legit traffic is not affected by the mitigation efforts.

- **DefensePipe** – in the cloud scrubbing center for mitigating volumetric DDoS detected at the CPE, enabling MSSPs to scale the mitigation capabilities by moving mitigation as far as possible from the application infrastructure.

- **APSolute Vision** – built-in Security Event Information Management (SEIM) system providing an enterprise-wide view of security and compliance status for each MSSP customer from a single console for improved configuration management, monitoring and reporting.

- **ERT** – Radware's Emergency Response Team providing 24/7 security expert services for hands-on attack mitigation assistance to help successfully defend networks against attacks in real time.

Benefits

Revenue generating service offering – Use your existing customer base to generate more revenue with a real value security service.

Flexible deployment options – The only attack mitigation solution that can be deployed both inline and out-of-path, with a cloud based scrubbing center, maximizing scalability and flexibility. You can start deployment using Radware DefensePipe scrubbing center service and build your own scrubbing center when the service ramps up.

Fully managed value-added services – Single management application to manage multiple DefensePro units cross multiple data centers providing a scalable, cost effective, and easy to manage and maintain solution.

Widest attack coverage:
- Known and zero-day DoS/DDoS flood attacks that misuse network bandwidth resources
- Application DoS attacks that misuse server and application resources including:
  - HTTP flood attacks, HTTPS flood attacks, and DNS flood attacks
  - SIP scans and SIP flood attacks
  - Web stealth attacks such as Login page brute force attacks, SSL based attacks
  - Information theft – application scanning
- Application vulnerability attacks that exploit server application weaknesses including Web, Mail, DNS, FTP, SQL server vulnerabilities

Shortest time to mitigate – Always on protection ensures customers are constantly protected and time to mitigation is measured in seconds. Defense Messaging ensures end user transparent diversion to cloud mitigation.

Single point of contact in case of an attack – To ensure that when under attack, the decision on the mitigation method is made following best practices and security experts advice.

About Radware

Radware (NASDAQ: RDWR), is a global leader of application delivery and application security solutions for virtual and cloud data centers. Its award-winning solutions portfolio delivers full resilience for business-critical applications, maximum IT efficiency, and complete business agility. 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.

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.