



## Product Test Result Highlights 2010 NSS Certification for DefensePro 8412



***"Only the top technical products earn a recommend rating from NSS Labs – regardless of market share, company size, or brand recognition."***

### Executive Summary

*"A recommend rating from NSS Labs indicates that a product has performed well and should be used within an Enterprise. Products that earn a recommend rating from NSS Labs deserve strong consideration and should be on every Enterprise's short list during the purchasing process."*

*"DefensePro 8412 is Radware's flagship product offering, rated at 8Gbps and offers good performance coupled with low latency under all normal and extreme traffic conditions. This is achieved via OnDemand switch architecture and the ASIC-based DoS Mitigation Engine."*

*- "...it should be noted this level of attack is extremely difficult and rare in the real world. Thus, DefensePro's dedicated DoS Mitigation Engine ensures that it will not become the bottleneck under high volume attacks."*

### The Business Value

NSS testing methodology is well aligned with DefensePro key business values:

#### Business Value

#### Notable NSS Quote

Maintain Business Continuity of Operations (COOP)  
Even When the Network Is Under Attack

- Full protection of data center applications against emerging network threats

*"The security effectiveness of the device for the tests performed was impressive. The DefensePro includes a wide range of innovative attack mitigation technologies that use real-time signatures to detect and mitigate attacks such as: brute force attacks, denial of service, distributed denial of service, application flooding and application and network scanning"*

*"We found DefensePro's detection and mitigation capabilities to be effective and reliable in protecting networks under attack, and the device handled our extensive reliability tests with ease while remaining stable."*

- Maintains network performance even when under high-volume network attacks

*"Performance in the high volume detection and mitigation tests was also impeccable across the board, with perfect detection and mitigation at all load levels."*

- Maintains excellent user response time even under attack

*"There was very little variance in latency as load was increased"*



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Best Security Solution for Data Centers in a Single Box

- Combining intrusion prevention system (IPS), denial-of-service (DoS) protection and Network behavioral analysis (NBA)

*"Brute force attacks, slow port scans, web vulnerability scans and application scanning use legitimate application transactions at low volume, making them impossible to detect and prevent by signature technology or rate based technology alone. Network behavioural analysis technology is used to differentiate the low and slow attack patterns from the legitimate network traffic. DefensePro flawlessly handled these attacks."*

*"It would appear to be very difficult to evade this device by simply slowing down port scans and connection floods thanks to the fuzzy logic mechanism employed to compare —normal vs. —abnormal traffic".*

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Most Accurate Attack Detection and Prevention

- Blocks attacks without blocking legitimate user traffic

*"The DefensePro 8412 performed consistently and completely reliably throughout our tests. Under eight hours of extended attack (comprising rate-based attacks mixed with genuine traffic) it continued to block 100 per cent of attack traffic, while passing 100 per cent of legitimate traffic. There was almost no increase in user response times as we placed the device under increasing loads of DOS traffic – this is an outstanding feat."*

*"A major concern in deploying an in-line device is the blocking of legitimate traffic. Once we had configured the appropriate trusted hosts and the device had finished its learning process, the DefensePro completed all our tests without raising a single false positive alert."*

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Best-in-Class Unified Monitoring and Reporting Solution

*"APSSolute Vision now creates a seamless management environment between the attack mitigator and the network enabled management device. The alert handling functionality remains accurate and flexible, while the custom reporting is extensive and reliable."*

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Reduces Total Cost of Ownership (TCO) of Security Management

*"This level of performance is extremely impressive, and is achieved with virtually no end-user configuration."*

## About NSS Report

In 2010 NSS Labs performed comprehensive testing of Radware DefensePro against NSS Attack Mitigator (AM) testing methodology. The NSS report summarizes the results from the tests performed on the Attack Mitigator system installed in NSS real-world test lab. The NSS labs report provides readers with empirically validated evidence about DefensePro's features and capabilities.

- Product & model: DefensePro 8412 IPS & Behavioral Protection
- Product Version: 5.0
- Test type: Attack Mitigator (AM)
- Methodology Version: 2.00
- Date: September 2010

## About DefensePro

Radware award winning DefensePro™ is a real-time network attack prevention device that protects the application infrastructure against network & application downtime, Application vulnerability exploitation, Malware spread, network anomalies, Information theft and other emerging network attacks.



- DefensePro includes the set of security modules - **IPS**, **NBA** and **DoS Protection** - to fully protect the data center against known and emerging network security threats.
- DefensePro uses a dedicated hardware platform based on **OnDemand Switch** supporting network throughputs up to 12Gbps. It embeds two unique and dedicated hardware components: a DoS Mitigation Engine (DME) to prevent high volume DoS/DDoS flood attacks - without impacting legitimate traffic- and a StringMatch Engine (SME) to accelerate signature based protection.
- **APSolute Vision** offers a centralized attack management, monitoring and reporting solution across multiple DefensePro devices and locations. It provides the user real-time identification, prioritization and response to policy breaches, cyber attacks and insider threats.

