



NSS Approved Certification Product Review Highlights

"Radware has done a good job...making this one of the best Attack Mitigator devices we have seen in our labs to date."

Executive Summary

"With a range of innovative technologies under the hood, we found the DefensePro's detection and mitigation capabilities to be excellent. We also found it to be very stable and reliable, coping with our extensive reliability tests with ease and without succumbing to most common evasion techniques."

"Overall we found the DefensePro 1020 to be a robust and capable Attack Mitigator and believe that it should be on any short list as a candidate for a mitigation solution on the network perimeter. As a result, we are pleased to award NSS Approved to the DefensePro 1020"

The Business Value

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

Business Value

Notable NSS Quote

Maintains business continuity even when the network is under attack

- Ensures servers' survivability and critical application (web, mail, FTP, DNS and more) availability even under network attack

"DefensePro 1020 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 almost no increase in user response times as we placed the device under increasing loads of DOS traffic – this is an outstanding feat."

- Wide coverage against network threats including worms, DoS, intrusions, Trojans, Bots, pre-attack probes and more

"Attack detection/mitigation was excellent, with the DefensePro detecting and successfully mitigating all of our attacks. Reconnaissance, flooding, Denial of Service (single source and distributed) and protocol fuzzing traffic were all handled effectively by DefensePro 1020."

- Detection and prevention of high volume attacks

"Performance in the high volume detection/mitigation tests was also impeccable across the board, with perfect detection and mitigation at all load levels. Mitigation of the highest levels of DOS and DDOS was almost instantaneous and complete."

- Detection and prevention of low rate "stealthy" attacks

"At the other end of the scale, all of the 'low and slow' attacks were detected relatively quickly and also mitigated completely."

"...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."

Business Value

- Blocks attacks without blocking legitimate users' traffic, so infected hosts can continue to work uninterrupted

Reduces total cost of ownership (TCO) of security management

- Adapts to changing network conditions
- Requires minimal configuration without the overhead of system tuning and ongoing maintenance

Notable NSS Quote

"A major concern in deploying an in-line device is the blocking of legitimate traffic. ...DefensePro completed all our tests without raising a single false positive alert."

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

About NSS Report

In Q1 of 2008, NSS Labs performed comprehensive testing of Radware's 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 the NSS real-world test lab. The NSS lab report provides readers with empirically validated evidence about DefensePro's features and capabilities.

- Product & model: DefensePro 1020
- Test type: Attack Mitigator (AM)
- Date: April 7, 2008

- Product Version: 4.0
- Methodology Version: 2.00

About DefensePro

DefensePro is designed for enterprise core and perimeter deployment, data centers, university campuses and carrier backbones. It integrates multiple layers of defense, including:

- Signature-based protection
- DoS/DDoS floods mitigation
- Access control
- Server-cracking protection
- Encrypted SSL attack protection
- Bandwidth management

DefensePro is the industry's first solution to provide unparalleled security by fully integrating adaptive, behavior-based protection capabilities in both network and application levels. It immediately identifies and mitigates a wide range of threats (including zero-day attacks) by employing adaptive behavioral analysis – all without human intervention.