

UnityOne-1200

Intrusion Prevention System



- Only product with 100% accuracy able to perform at 1Gbps
- Highest out-of-the-box attack recognition
- Best SYN Flood protection
- Best Overall Management
- Best Policy Editor
- Best Price-Performance of any competitor

UnityOne Tops 2004 NSS Group Test Results

Winner of first NSS Gold Award for Intrusion Prevention

The NSS Group, the world's foremost network and security testing organization, released the results of the first comprehensive security and performance test for Intrusion Prevention Systems (IPS) on January 19, 2004. Participating in the testing were products from Cisco, ISS, Netscreen, Network Associates, TippingPoint and TopLayer. TippingPoint was the only participant bestowed the honor of the NSS Gold Award, which has only been granted three times to any product in the six-year history of NSS testing. No Intrusion Detection System product has ever won the NSS Gold Award, and this is the first NSS Gold Award for an Intrusion Prevention System.

The suite of over 750 individual tests is by far the most comprehensive in the industry. Each product was evaluated for performance characteristics, security accuracy and usability. The complete test results are available for download at <http://www.nss.co.uk>.

In the performance category, the UnityOne IPS uniquely demonstrated switch-like latency and gigabit throughput under all test conditions. In some latency tests, the UnityOne outperformed the competition by an order of magnitude. Furthermore, in the application latency tests, TippingPoint was the only vendor that did not impact response times under any load conditions.

With regard to security accuracy, the UnityOne was flawless and resilient to all forms of evasion. Out of the box, the UnityOne attack blocking accuracy was unmatched by any other product and never blocked legitimate traffic.

In the usability category, the UnityOne Security Management System was considered best-of-breed. In addition to an intuitive interface, the alert handling, analysis and reporting were deemed flexible, powerful and easy to use. The policy editor was highlighted as the best ever seen by The NSS Group.

The UnityOne IPS is proven in the industry as the highest performing, most secure, IPS device. As the leader of every test category and the only winner of the NSS Gold Award, TippingPoint continues to demonstrate UnityOne's effectiveness to secure customers' businesses.

Test	UnityOne Results
Attack Recognition	100%
Resistance to False Positives	100%
Evasion Baselines	100%
Packet Fragmentation and Stream Segmentation	100%
URL Obfuscation	100%
Miscellaneous Evasion Techniques	100%
Stateless Attack Relays (Mid flows)	100%
Simultaneous Open Connections (Default settings)	100%
Simultaneous Open Connections (After tuning)	100%
UDP Traffic to Random Valid Ports	100%
HTTP "maximum stress" traffic with no transaction delays	100%
HTTP "maximum stress" traffic with transaction delays	100%
Protocol Mix Traffic	100%
"Real World" Traffic	100%
Latency	Exceptional (<116 µs)
User Response Times	Exceptional (<1ms)
Stability and Reliability	PASS
Management Interface	PASS

SECURITY EFFECTIVENESS

"The TippingPoint UnityOne achieved the highest out-of-the-box score in all of our signature recognition, false negative, and false positive tests."

PERFORMANCE

"(TippingPoint's) Performance at all levels of our load tests was impeccable, with 100 percent of all attacks being detected and blocked under all load conditions."

"Out of the box, the device maintained state on 1,000,000 open connections, successfully detecting our half-open exploit as it was completed. No tuning was necessary in order to support this level of open connections."

"TippingPoint demonstrated the best combination of low latency and predictable response under all of our varied test conditions."

USABILITY

"We found the TippingPoint management system to be the most usable overall. The interface was intuitive, policy management was excellent, and the alert handling, analysis, and reporting were all flexible, powerful, and yet very easy to use."

"The Policy Editor is the best we have seen on any IDS/IPS device."