



Protecting your network with IBM Proventia Network Intrusion Prevention System.

The IBM Proventia® Network Intrusion Prevention System (IPS) stops Internet threats before they impact your business and delivers protection to all three layers of the network: core, perimeter and remote segments. Preemptive protection—protection that works *ahead of the threat*—is available from IBM Internet Security Systems (ISS) through its proprietary combination of line-speed performance, security intelligence and a multifaceted protection engine.

When evaluating intrusion prevention technology, businesses often struggle to balance and optimize the following six areas:

- Performance
- Security
- Reliability
- Deployment
- Management
- Confidence

Proventia Network IPS delivers on all six counts, with performance, preemptive protection, high availability, simple deployment and management, and excellent customer support.

Do not compromise on protection or performance
Security should enhance network performance, not detract from it

Purpose-built Proventia Network IPS hardware offers high throughput, low latency and quick uptime to help ensure that your network runs efficiently and safely. It includes the following performance features:

- A full spectrum of throughput handling (10 Mbps–5 Gbps)
- Intelligent deep-packet inspection using FlowSmart technology
- Bounded latency
- Traffic flow in the event of system error or loss of power

Security comes only from preemptive protection

Proventia Network IPS is engineered to protect your network from entire attack categories, including:

- Worms
- Spyware
- Peer-to-peer (P2P)
- Denial-of-service (DOS) and distributed denial-of-service (DDOS)
- Cross-site scripting
- SQL injection
- Phishing
- Buffer overflow
- Web directory traversal.

Proventia Network IPS is backed by the IBM Internet Security Systems X-Force® research and development team. IBM ISS also tracks Internet threat levels around the world from its Global Threat Operations Center to enhance the protection inherent in Proventia Network IPS.

Reliability is not negotiable

Devices placed in the flow of your network traffic must be extremely reliable. Proventia Network IPS offers high availability (active/active or active/passive), hot-swappable redundant power supplies and hot-swappable redundant hard drives to help maintain the flow of your network traffic.

Relative ease of deployment benefits IT staff

Proventia Network IPS features Layer 2 architecture that does not require network reconfiguration. In addition, network and security administrators can become comfortable and familiar with the device's behavior by choosing one of three operating modes:

- Active protection (intrusion prevention mode)
- Passive detection (intrusion detection mode)
- Inline simulation (nonblocking "learning" mode)

Centralized management streamlines protection

Proventia Network IPS is centrally managed by the IBM Proventia Management SiteProtector™ system for scalability and flexibility. The SiteProtector system provides simple, powerful configuration and control of Proventia agents, along with robust reporting, event correlation and comprehensive alerting.

Security expertise and excellent support give you confidence in your IPS

IBM ISS is a leader in intrusion detection and prevention. We earn the trust of our clients, achieve industry recognition and maintain certifications to ensure confidence in our IPS and other protection solutions.

Trusted by demanding security clients	Highly regarded in the industry	Certified by leading independent testing organizations
The world's largest banks	Frost & Sullivan Network Security Company of the Year Award 2006 ¹	NSS Approved IPS + Enterprise 2006 for Proventia Network IPS GX5108 ⁴
Large governments around the world based on gross national income (GNI)	SC Magazine Security Company of the Year 2006 ²	NSS Approved IPS + Branch Office 2006 for Proventia Network IPS GX4004 ⁵
The world's largest public insurance companies	SC Magazine Best Integrated Security Solution 2006 ³	ICSA Labs Certified Network IPS 2006 ⁶
The world's largest IT companies		

Client support is a primary focus as well. IBM ISS was among the first companies in the IT industry to be recognized globally by JD Power and Associates⁷ for delivering "An Outstanding Customer Service Experience" under the Certified Technology Service and Support (CTSS) Program. IBM ISS was also one of the first in the security industry to receive Global Support Center Practices (SCP) Certification and is a member of the Service & Support Professionals Association (SSPA) Advisory Board.

Additional features and benefits of Proventia Network IPS

Granular policy configuration	<ul style="list-style-type: none"> • Policy per port • Policy per virtual local area network (VLAN) tag • Policy per Internet Protocol (IP) address/range
Intrusion prevention responses	<ul style="list-style-type: none"> • Block • Alert • Ignore • Log evidence • E-mail • Quarantine • Simple Network Management Protocol • User-specified
Attack traffic logging	<ul style="list-style-type: none"> • Attack packet logging • TCP-dump capable
Custom signature support	<ul style="list-style-type: none"> • Proventia OpenSignature (based on Snort 2.4)
Trust X-Force option	<ul style="list-style-type: none"> • Ability to block new threats based on X-Force expert recommendations
Firewall rules	<p>Rules based on:</p> <ul style="list-style-type: none"> • Port • IP address • Packet type
Quarantine functionality	<ul style="list-style-type: none"> • Ability to block suspicious traffic from a particular host to reduce the risk of infecting other hosts
Proventia access control	<ul style="list-style-type: none"> • Acts as an access control point on the network by helping to ensure that computer systems communicating on the corporate network are protected by an up-to-date IBM Proventia Desktop Endpoint Security agent

“The Proventia Network Intrusion Prevention System provides the granularity that is required to protect, without interfering with business processes.”

—Eric Ayotte, Network Security Solutions Group, M&T Bank Corporation

“We have a number of IBM Proventia appliances and have found them to function flawlessly in terms of performance.”

—John Libbeter, Capita Business Services



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04-07
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All performance data contained in this publication was obtained in the specific operating environment and under the conditions described above and is presented as an illustration. Performance obtained in other operating environments may vary, and customers should conduct their own testing.

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- 1 Frost & Sullivan
 - 2 *SC Magazine*
 - 3 *SC Magazine*
 - 4 NSS: see <http://www.nss.co.uk/certification/ips/cetipsresults.htm> for more information.
 - 5 NSS: see <http://www.nss.co.uk/certification/ips/certipsrsults.htm> for more information.
 - 6 ICSA Labs Certified: see <http://www.icsalabs.com/> for more information.
 - 7 JD Power and Associates Certified Technology and Support Program, developed in conjunction with the Service & Support Professionals Association (SSPA). For more information, visit www.jdpower.com or www.thesspa.com.

“All in all, Proventia continues to be one of the most consistently accurate IDS/IPS systems we have tested.”

—Bob Walder, Director, The NSS Group (www.nss.co.uk)

Take a closer look

Learn how the IBM Proventia Network Intrusion Prevention System can provide uncompromising protection for every layer of your network. For an on site demonstration, contact the IBM Internet Security Systems office nearest you. For office locations and to get more product information, visit:

ibm.com/services/us/iss