



# IBM Proventia Network Intrusion Prevention System

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## Highlights

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Network protection designed to:

- **Stop threats before impact without sacrificing high-speed network performance**
- **Provide a platform for security convergence that helps reduce the cost of deploying and managing point solutions**
- **Protect networks, servers, desktops and revenue-generating applications from malicious threats**
- **Conserve network bandwidth and prevents network misuse/abuse from instant messaging and peer-to-peer file sharing**
- **Prevent data loss and aids compliance efforts**

### **Blocking network threats and delivering security convergence at the core, perimeter and remote segments**

The IBM Proventia® Network Intrusion Prevention System (IPS) is designed to stop 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 modular protection engine that enables security convergence. By consolidating network security demands for data loss prevention and protection for Web applications, IBM Proventia Network IPS serves as the security platform that reduces the costs and complexity of deploying and managing point solutions.

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. Organizations that want to transfer the burden of protecting their network to a trusted security partner can rely on IBM to manage the Proventia product family. Proventia customers also benefit from a range of complementary consulting services for assessment, design, deployment, management and education.

## Delivering superior performance and protection

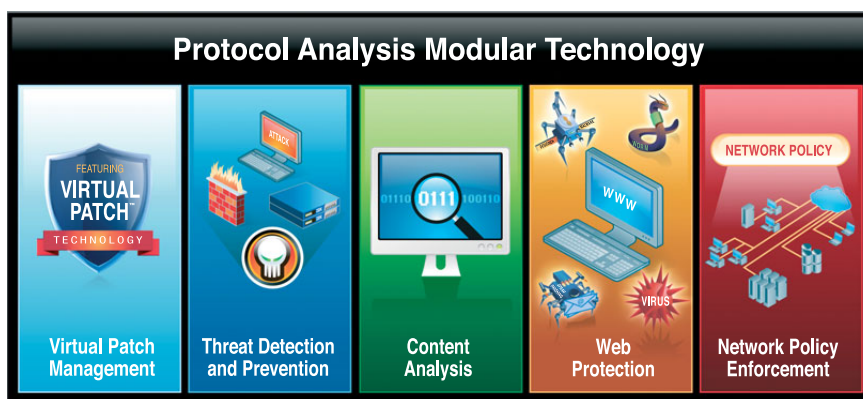
Security should enhance network performance, not detract from it. Purpose-built Proventia Network IPS solutions offer high throughput, low latency and quick uptime to maintain efficient network operations. It includes the following performance features:

- *A full spectrum of throughput handling (10 Mbps - 40 Gbps)*
- *Intelligent deep-packet inspection using FlowSmart technology*
- *Bounded latency*
- *Traffic flow in the event of system error or loss of power*

## Consolidating network security with preemptive protection

With its modular product architecture, IBM Proventia Network IPS drives security convergence by adding entirely new modules of protection as threats evolve. From worms to botnets to data security to Web applications, Proventia Network IPS delivers the protection demanded for business continuity, data security and compliance.

The IBM Internet Security Systems X-Force® research and development team designed the Proventia IPS protection engine and provide the content



The IBM Protocol Analysis Modular Technology (PAM) drives security convergence to deliver network protection that goes beyond traditional IPS to now include data security, Web application protection and network policy enforcement.

updates that maintain ahead of the threat protection. X-Force also designed the protection modules, which include:

- *IBM Virtual Patch<sup>®</sup> technology*
- *Threat Detection & Prevention*
- *Data Loss Protection*
- *Web Application Protection*
- *Network Security Enforcement*

These modules power Proventia Network IPS to protect networks from attack categories and threats, including:

- *Worms*
- *Spyware*
- *Peer-to-peer (P2P)*

- *Denial-of-service (DoS) and distributed denial-of-service (DDoS)*
- *Botnets*
- *Targeted attacks against Web applications*
- *Proprietary or sensitive data leaving the network*
- *Cross-site scripting*
- *SQL injection*
- *Buffer overflow*
- *Web directory traversal*

The X-Force® research and development team tracks Internet threat levels around the world from its Global Threat Operations Center to enhance the protection inherent in Proventia Network IPS.

### **Delivering reliability**

Devices placed in the flow of 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 network traffic.

### **Providing ease of deployment**

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 (simulates inline prevention)*

### **Centralizing security management**

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

### **Earning your confidence with security expertise and support**

IBM ISS is a leader in intrusion detection and prevention with an established record of superior customer support. IBM ISS was 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.

### **Why IBM?**

IBM understands the threats to your network and the critical balance between performance and protection. As a result, IBM has enabled its world-class vulnerability-based security technology to stop Internet threats before they impact your business. With Proventia Network IPS from IBM, you gain a highly effective, cost-efficient solution that delivers:

- *Preemptive protection backed by the IBM Internet Security Systems X-Force research and development team*
- *Leading security technology, including the IBM Protocol Analysis Module (PAM) for deep packet inspection*
- *High performance that helps maintain network availability*
- *Ease of installation, configuration and management*



### For more information

To learn more about IBM Proventia Network Intrusion Prevention System, please contact your IBM representative or IBM Business Partner, or visit the following Web site:

[ibm.com/services/us/iss](http://ibm.com/services/us/iss)

Additionally, IBM Global Financing can tailor financing solutions to your specific IT needs. For more information on great rates, flexible payment plans and loans, and asset buyback and disposal, visit:

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