



Preemptive protection with IBM Proventia Server and IBM RealSecure Server Sensor

Multilayered, stable protection for servers

Server protection is a critical component in a security risk reduction strategy. Every organization relies on servers to run applications and host data to drive their business. New vulnerabilities, or exploits of existing vulnerabilities, put systems at risk for intrusion and constantly threaten the vital operations of these key systems. The growth of organized crime in the hacking community further pushes the need for server protection. Worms, while still a major threat, no longer represent the biggest concern for companies. Data integrity, government regulations, customer information privacy and exploits by financially motivated hackers have come to the forefront.

That's why IBM Internet Security Systems™ (ISS) designed preemptive security for servers. By providing protection for a broad range of operating systems, including Microsoft® Windows®, Linux®, Solaris, IBM AIX® and HP-UX, IBM's server security is easier to implement, manage and maintain. And that translates into a lower total cost of ownership.

Both IBM Proventia® Server Intrusion Prevention System (IPS) and IBM RealSecure® Server Sensor combine today's powerful protection technologies into a single multilayered agent to help guard your business-critical systems and data from any attack—outside or inside the enterprise.

IBM ISS server products block threats with an integrated firewall, a market-leading vulnerability-centric intrusion prevention system (IPS) and buffer-overflow exploit protection.

IBM ISS preemptive server security helps to assure system integrity, working to keep your systems and information accessible, reliable and confidential. That helps you meet audit and compliance standards for stringent government regulations.

IBM ISS server security products integrate with your IT infrastructure to help ensure that legitimate traffic flows through without interruption. Because you cannot afford to let anything get in the way of doing business.

Why choose IBM ISS?

IBM ISS server products offer comprehensive protection by focusing on the following key areas:

Outstanding multilayered attack protection is designed to guard against threats from inside or outside the enterprise. Today's hybrid threats and sophisticated cybercriminals can break through conventional defenses. That is why powerful multilayered protection features from IBM ISS work in concert to help thwart exploits before they can occur. Combined in a single agent, these technologies offer a smaller application footprint, ease of management for multiple applications, and integration for ease of use.

- **Firewall**—works to reduce the attack surface by blocking unauthorized access to ports and Internet Protocol (IP) addresses, preventing IP spoofing and terminal hijacking
- **Vulnerability-based intrusion prevention system (IPS)**—uses both signature-based and protocol-based analyses, to understand not just what the exploit does, but how it works, so the next time similar behaviors are noted, IBM ISS server products will recognize the exploit and work to stop it

- **Buffer-overflow exploit prevention**—recognizes and prevents malicious code (malcode) targeting memory-buffer vulnerabilities
- **Web application protection**—protects Web applications running on both Apache and IIS Web servers by inspecting Secure Sockets Layer (SSL)-encrypted traffic (for Windows and Linux)
- **Application control**—application control allows or disallows certain applications from running on the server; communication control prevents unauthorized applications from utilizing host network connections to transmit information back out of the host (for Windows)

Broad platform support—The broadest support in the industry—is designed to assure your enterprise of protection for a wide range of operating systems, including the following:

- Windows
- Linux
- Solaris
- AIX
- HP-UX

VMware support—Platforms are supported as guest operating systems on VMware ESX.

System integrity and policy compliance—Help to ensure the confidentiality of sensitive data to meet tough government regulations and industry requirements. The monitoring and reporting capabilities of IBM Proventia Management SiteProtector™ greatly assist enterprises in achieving compliance with federal legislation, such as the Health Insurance Portability and Accountability Act (HIPAA), the Sarbanes-Oxley Act (SOX), the Gramm-Leach-Bliley Act (GLBA) and the Payment Card Industry (PCI) standards.

Business continuity—IBM ISS server products are designed to protect against threats both inside and outside the enterprise, while maintaining high standards of throughput, uptime and latency.

How IBM ISS advantages work for you

IBM ISS server products are backed by a leader in security intelligence—the IBM Internet Security Systems X-Force® research and development team.

Central management with the Proventia Management

SiteProtector system is designed to provide you with customizable monitoring and reporting tools as well as unified, scalable management across the entire enterprise—reducing demands on your staff.

IBM Virtual Patch® technology promptly updates and applies security policies developed by the X-Force team to newly discovered vulnerabilities that could affect your servers. By helping to ensure preemptive protection before an attack is “in the wild,” you avoid emergency patch rollouts so you can test and apply updates when your organization is ready.

IBM ISS server protection products

Proventia Server

- Windows
- Linux
- VMware

RealSecure Server Sensor

- Windows
- Solaris
- HP-UX
- AIX
- VMware

Guide to selecting a server security solution

To effectively evaluate server security solutions, your evaluation criteria should include the following critical attributes:

	Yes	No
Multiple operating systems support (Windows, Linux, Solaris, AIX, HP-UX)		
True preemptive capabilities		
Multiple analysis techniques used in a single agent to block threats		
Vulnerability-centric intrusion prevention		
Meet ongoing compliance regulations		
Ease of use and management		
Effective default protection policy		
Scalable, central management capability		

Experience the IBM ISS advantage

To learn more about IBM ISS server products and other IBM Global Services capabilities, contact your IBM representative or IBM Business Partner, or visit:

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