



Highlights

- ***Protects e-mail users against spam***
- ***Recognizes and blocks zero-day virus variants***
- ***Blocks more than 120,000 known viruses***
- ***Provides customized event reporting***
- ***Delivers 24x7 tech support***

IBM Proventia Network Mail Security System

Keeping spam, viruses and other malicious traffic at bay

IBM Proventia® Network Mail Security System from IBM Internet Security Systems (IBM ISS) provides preemptive protection and spam control for the corporate messaging infrastructure. Easily adaptable to the needs of specific organizations, Proventia Network Mail includes customizable analysis modules to enforce outbound content compliance and acceptable use policies. Proventia Network Mail is a key element in the IBM ISS protection platform providing end-to-end coverage of an organization's network, with leading solutions to security challenges that threaten key endpoints, servers, networks and gateways.

Designed to provide protection to organizations of all sizes, Proventia Network Mail is available as both a hardware appliance and a virtual appliance. In either form factor, Proventia Network Mail receives automatic updates to keep spam, viruses and other malicious traffic at bay. Proventia Network Mail is backed by IBM ISS, the leader in preemptive enterprise security.

Features and Benefits	
Threat Management:	
<i>Intrusion prevention</i>	<ul style="list-style-type: none"> • Protects device and mail server from attacks such as denial of service attacks, directory harvest attacks and buffer overflow attacks • Is powered by IBM Internet Security Systems X-Force® research and development team vulnerability-based research • Features IBM Internet Security Systems Virtual Patch® technology
<i>Patented virus prevention system (VPS)</i>	<ul style="list-style-type: none"> • Utilizes behavior-based anti-virus technology • Provides preemptive protection without signatures • Stops zero-day variants • Conducts spyware analysis
<i>Signature anti-virus (AV) system (optional)</i>	<ul style="list-style-type: none"> • Protects against more than 120,000 known viruses • Performs inbound and outbound inspection • Inspects e-mail attachments (including compressed files)
Spam control:	<ul style="list-style-type: none"> • Spam-detection rate (including image-based spam): >98% • False-positive rate: < .01% (1 in 10,000) • 20+ customizable analysis modules • Messages can be quarantined/blocked/marked • On-box quarantine: 250 GB (quarantine space available in virtual installation depends on disk space allotted for the VMware installation instance) • Embedded URL filtering • Global/group/user settings • Multilanguage support • 10+ different action types
Spam analysis modules (default):	<ul style="list-style-type: none"> • Spam real-time blackhole list (RBL) check • Spam signature database • Spam structure check • Spam URL check • Spam heuristics • Spam fingerprint • Spam Bayesian classifier • Spam flow check • Spam keyword check • Phishing check
Additional analysis modules (default):	<ul style="list-style-type: none"> • Message field check • Attachment check • Keyword search • Media type • Virus check • Credit card number/Social Security number detector • URL check • Language check • User and sender block/allow list • Compound analysis • Sender policy framework
Content filtering:	<ul style="list-style-type: none"> • Proprietary content analysis engine • Incoming/outgoing traffic • Global/group/user settings
<i>IBM Proventia Network Mail Filter database:</i>	<ul style="list-style-type: none"> • World's largest and most up-to-date filter database • 80 million entries based on analysis of 6.2 billion URLs, images and spam
Management options:	
<i>IBM Proventia® Management SiteProtector™</i>	<ul style="list-style-type: none"> • Centralized policy management and configuration, updates, reporting and alerts
<i>Local management interface (LMI) (Proventia Manager)</i>	<ul style="list-style-type: none"> • Web-based (secure HTTPS) • Policy management and configuration
Front panel LCD module: (Available on MS3004 model only)	<ul style="list-style-type: none"> • Initial network configuration • Restart • Shutdown
LDAP (Lightweight Directory Access Protocol) integration:	<ul style="list-style-type: none"> • Including IBM Lotus® Notes®/Domino®, Microsoft® Active Directory, Novell eDirectory™, Netscape, Sun and OpenLDAP(TM).
Device health monitoring:	<ul style="list-style-type: none"> • SiteProtector interface • Support for Simple Network Management Protocol (SNMP), Syslog, e-mail-based alerts- via the SiteProtector Management Console • Local management interface
Rated simultaneous connections:	<ul style="list-style-type: none"> • 1,024 (default setting) <i>Simultaneous connections for virtual appliance limited by the specs of the VMware host</i> • Further configurable with tuning setting
Clustering/high availability:	<ul style="list-style-type: none"> • Makes quarantined messages and tracking information accessible through master appliance * <i>Clustering and HA available on MS3004 model only.</i>
World-class support:	<ul style="list-style-type: none"> • Provided 24x7, including platform updates • Includes technical support and advanced exchange

Technical Specification for the MS3004 Appliance	
Model	MS3004
Rack Units	2U
Scalability	Up to 10,000 users; supports clustered environment for larger deployments
Maximum throughput <i>Raw mail</i> <i>Real-world traffic</i>	750,000 e-mails/hour 36,000 e-mails/hour (with full analysis and quarantine)
Platform	Linux®-based
Storage	4x80 GB + 2x250 GB (RAID1)
Redundancy	Hard disk, power supply, fans
Dimensions <i>Height (in/mm)</i> <i>Width (in/mm)</i> <i>Depth (in/mm)</i> <i>Weight (lb/kg)</i>	3.40/87.5 16.93/43 26.46/67.20 60/27
Power dissipation <i>Units</i> <i>Amps</i> <i>Voltage (V)</i> <i>Input range (V)</i>	AC 8.9/5.4 115/220 100–128/200–240
Operating temperature	+50°F to +95°F (+10°C to +35°C)
Non-operating temperature	-40°F to 158°F (-40°C to +70°C)
Relative humidity (non-operating)	95% @ 30°C (90°F)
Emissions	FCC Class A

Technical Specification for the MS1002-VM Virtual Installation	
Scalability	Ideally suited for small to medium businesses with fewer than 1,000 users, and scaleable (depending on the hardware base) to more strategic operating specifications as required.
Platform	Runs as installed software on VMware workstation under the following guest OS': <ul style="list-style-type: none"> • Windows® 2000, XP or 2003 • Red Hat® Enterprise Linux® 2.4 or 2.6
System Requirements	<p>The following are the recommended (minimum) available system resources for Proventia Network Mail VMware virtual installations:</p> <p>Software Requirements:</p> <ul style="list-style-type: none"> • VMware GSX Server 1.0.2 or later OR • VMware Workstation 5.5 or later • VMware Player 1.0.3 or later <p>Host Hardware Requirements (recommended):</p> <ul style="list-style-type: none"> • 2GB RAM (512Mb required for each virtual instance) • 100GB hard disk space (30GB dedicated for each virtual instance) • 2 network interfaces: <ul style="list-style-type: none"> – 1 host only interface – 1 bridged network interface <p>Virtual Hardware requirements (per virtual installation):</p> <ul style="list-style-type: none"> • 512MB RAM (minimum) • 30GB disk space



Get started today

To learn more about how you can take advantage of IBM Internet Security Systems Proventia Network Mail and protect your entire messaging infrastructure from spam, viruses and other malicious threats, contact your IBM sales representative or visit:
ibm.com/services/us/iss

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06-07
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