

IBM Global Technology Services



**IBM Proventia® Network
Mail Security System**

Preemptive protection and spam control for your messaging infrastructure



In the era of distributed workforces, virtual teams, road warriors and corporate globalization, e-mail is an organization's most indispensable application. Employee productivity and customer satisfaction rely on e-mail. As such, protecting the messaging infrastructure is vital in day-to-day operations. E-mail (and its underlying infrastructure) continues to be plagued not only by spam but also by phishing, denial of service attacks, directory harvest attacks, viruses, worms and other types of malicious code. Today's mail security solution must combine anti-spam technologies with comprehensive preemptive anti-virus and mail server protection. IBM Internet Security Systems (ISS) blends these precise technologies into a single solution for preemptive messaging security.

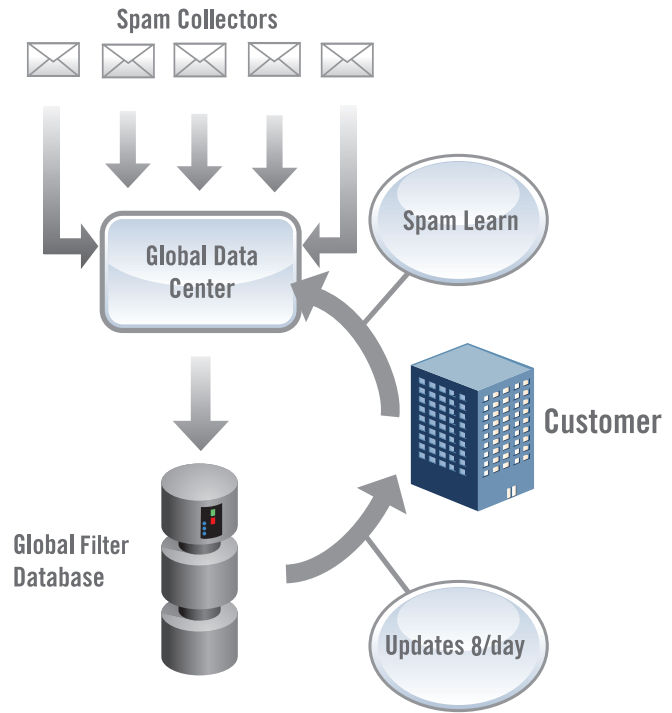
IBM Proventia® Network Mail Security System provides preemptive protection and spam control for your messaging infrastructure. Proventia Network Mail helps to enforce outbound content compliance and acceptable use policies with customizable analysis modules, easily adapted to varying company needs. Proventia Network Mail is a key element in the IBM Internet Security Systems protection platform, which provides end-to-end, preemptive protection against threats to endpoints, servers, networks and gateways.

Spam control and more

Spam continues to find its way to inboxes daily, typically outnumbering legitimate e-mail. The fight against spam negatively impacts productivity and strains network capacity, affecting the end user as well as the messaging administrator. With its core protection technologies, Proventia Network Mail lightens the spam burden in several ways.

Proventia Network Mail can be configured quickly to block spam using either default or custom content filtering policies. Content filtering innovation is provided by the IBM Internet Security Systems X-Force® research and development team. The X-Force team constantly monitors new spam techniques and distribution methods. Protection is thereby transferred to your organization via at least eight daily updates that include new spam signatures and potentially dangerous URL's. As a result, Proventia Network Mail helps you keep ahead of the latest spam trends, including social penny stock schemes and image-based spam.

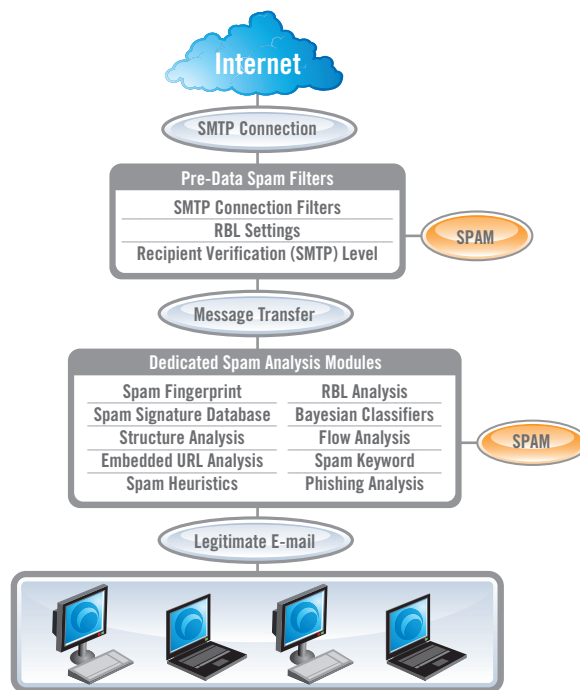
IBM ISS spam protection technologies employ a service model, which, in addition to the daily updates from the IBM ISS GLobal Data Center, also employs local e-mail scanning technologies that increases the efficiency of spam filtering. IBM does this by operating thousands of spam collectors worldwide using e-mail accounts, also known as "honey pots," to attract spammers. These e-mail accounts receive hundreds of thousands of confirmed spam e-mail messages every day. From here, all spam collectors





feed their data into the Global Data Center for processing. In addition, IBM ISS has established a network of trusted partners that provide new spam data for the Global Data Center. The IBM Proventia Network Mail Filter database housed in the Global Data Center contains more than 80 million entries including Web pages and relevant spam signatures as of 2007. With the optional Spam Learn feature, IBM ISS offers anonymous, automated reporting of new spam back to the IBM ISS Global Data Center for inclusion in the database.

Proventia Network Mail's 20+ analysis modules can be further customized to meet the needs of your unique messaging environment. Proventia Network Mail

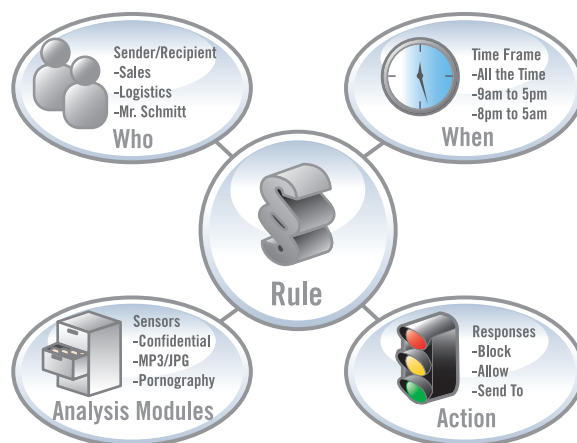


combines multiple analysis modules for further specificity and administrators can define policies or tailor analysis modules to enforce compliance. Messages can also be scanned for offensive words, keywords and attachment types, and specialized analysis modules prevent Social Security and credit card numbers from leaving your network. In addition, the phishing analysis module combines multiple analysis techniques to protect your employees against e-mail messages that target their personal information.

Proventia Network Mail affords instant access to rules configuration for ease of use, lessening the burden on administrative staff. Granular policy access includes simple rules-based policy creation (e.g., who–what–when–action) and more than ten different action types (e.g., modifications, notifications). Policies can be applied globally, per user group or per individual user. Proventia Network Mail also supports Local Directory Access Protocol (LDAP), including IBM Lotus® Notes®/ Domino® and Microsoft® Active Directory. End users can control their own allow and block lists, giving them personalized control over their own spam preferences. They can also view and control their quarantined messages if granted permission by an administrator.

Preemptively stop threats to messaging systems

Beyond spam control, Proventia Network Mail is equipped with advanced protection technologies that provide security that's ahead of the threat. With the award-winning IBM Proventia Network





Intrusion Prevention System (IPS) engine and IBM Virtual Patch® technology, Proventia Network Mail offers the vital security necessary in today's IT environments.

Integrated IPS for SMTP ensures that your messaging infrastructure remains protected from compromise. Both Proventia Network Mail and the mail server are protected from zero-day attacks (for example, denial of service or directory harvest attacks) via Simple Mail Transfer Protocol (SMTP). The Proventia Network IPS protection engine inspects SMTP traffic for malicious packets attempting to exploit vulnerabilities within the e-mail server and automatically blocks any threats.

IBM ISS technology is backed by the IBM Internet Security Systems X-Force® research and development team. In addition, Proventia Network IPS provides IBM Virtual Patch technology. By shielding the underlying vulnerability instead of focusing on each new exploit, Virtual Patch technology provides protection ahead of the threat. The enterprise then decides when to schedule patching while the messaging infrastructure remains secure from costly security breaches.

Multi-layered anti-virus (AV) protection takes virus prevention to the next level. First introduced in 2005, the IBM ISS virus prevention system technology takes preemptive action against suspicious code even before it is publicly known. Analyzing both incoming and outgoing e-mail in parallel with anti-spam

policies, the IBM ISS virus prevention system blocks new zero-day virus threats in real time. The system works in concert with integrated, traditional signature-based AV from industry leader Sophos.

Intelligent management options for ease of use

Intelligent management options tailored to the organization's unique network environment enhance Proventia Network Mail's versatility. Proventia Network Mail includes a stand-alone, secure, Web-based local management interface, for easy access to security and anti-spam policies. Standard, centralized reports provide valuable insights—insights such as which spammers present the biggest challenge to the messaging infrastructure. Customizable reporting gives additional flexibility and reports are available on demand or according to your defined schedule. Reporting and administration are also fully integrated with IBM Proventia Management SiteProtector™ software, the IBM ISS centralized management solution. SiteProtector software is used to manage Proventia Network Mail— together with other IBM ISS solutions— in accordance with your overall security strategy.

Proventia Network Mail's unique clustering feature* offers more than a standard failover solution. With no separate management console required, customers can easily manage multiple boxes through one appliance. In fact, Proventia Network Mail provides access to all quarantined messages and tracking information through the appliance designated as "master" regardless of where the traffic initially entered the network.

Proventia Network Mail delivers

Designed to provide protection for organizations of all sizes, Proventia Network Mail is available as both a hardware appliance and a virtual appliance. In either form factor, both receive automatic updates to keep spam, viruses and other malicious traffic at bay. For customers migrating towards virtualization within their enterprise in order to take advantage of today's superior processor technology, Proventia Network Mail running within a VMware environment offers a lower total cost of operation, faster deployment and simplified backup and recovery operations. In total, Proventia Network Mail provides preemptive protection and spam control backed by IBM Internet Security Systems.

Find out how Proventia Network Mail can help solve messaging security headaches and improve your security posture against tomorrow's threats, as part of the dynamic IBM ISS protection platform. For more information, contact your

IBM sales representative, or visit:

ibm.com/services/us/iss

* Available only in the MS3004



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