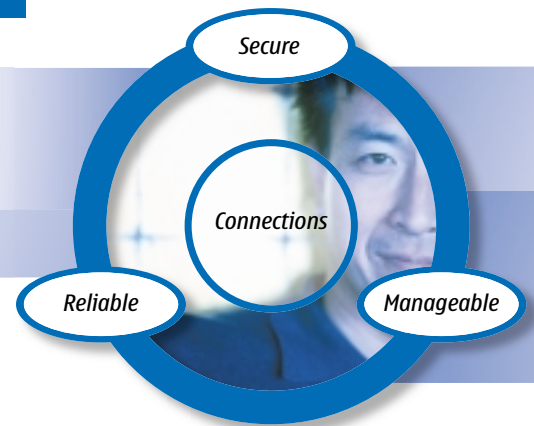


Nokia Message Protector

Nokia Message Protector is a secure content management appliance that provides Spam prevention, content inspection and virus protection for email that enters, flows within and leaves corporate networks.



Business communication is dependent on the speed and efficiency of email. Unfortunately, these same benefits attract undesirable use and attack of corporate email systems. More than 80% of malicious code exploits target enterprise email because it is a visible and vulnerable target. If a malicious attack brings down the email system, business stops.

The explosive growth in volume of Spam traffic consumes system resources and employee productivity. Unauthorized employee distribution of copyrighted or privacy-regulated content exposes corporations to legal liability. Customers, partners, remote employees, mobile workers and IT are all impacted.

Nokia has built a reputation in wireless and IP security. Protecting email content is fundamental to wired and wireless access to enterprise business communication. The purpose of

Nokia Message Protector is to secure email content and enable IT departments to confidently embrace new opportunities to extend access to email networks.

Nokia Message Protector is an integrated, multi-layered appliance that stops Spam, directory harvest attacks, undesirable content, denial of service attacks, third party mail relay, macro and script viruses, Trojan horses and worms.

Business Benefits

- Increase productivity: Spam traffic and associated false-positives are minimized to allow more efficient allocation of email and file system resources, while letting employees focus on the messages they need.
- Limit liability: filters content using policies to protect intellectual property documents, stop offensive message distribution, and comply with privacy regulations.

- Decrease risk of attack: multiple security layers are orchestrated to eliminate paths and methods of malicious exploits. Secure automated updates accelerate deployment of email security advancements. A layered architecture performs faster and provides more security.
- Reduce total cost of ownership: fast and simple deployment consumes less time and labor. Unified installation, maintenance and support leverages leading technologies with global Nokia First Call—Final Resolution.

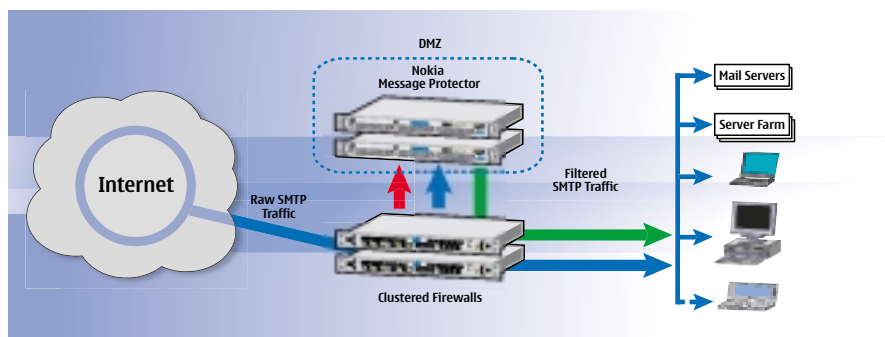
Key Features and Benefits

Multi-Layered Security Solution

No single technology is universally the best at stopping all threats to message integrity. Nokia Message Protector is designed with an extensible plug-in architecture that integrates multiple stand-alone filters and daemons. The result is a common and secure web interface that delivers fast processing due to shared technologies capable of discarding problem messages earlier in the filtering sequence.

Nokia Message Protector establishes an intermediary layer in front of mail servers that hides their IP identities and protects message traffic until destination receipt is confirmed. Configuration options support redundant pairs using standard DNS (domain naming service) round robin or third

Nokia Message Protector in the Network



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party load balancing. This allows greater security and speed performance than can be achieved using individual solutions.

Spam Prevention

Nokia Message Protector uses lexical analysis to match keywords and phrases that are indicative of Spam. Filters detect header anomalies, maximum recipient thresholds and search attachment name and type. White and black lists, reverse DNS look-up, and source IP verification using RBL (real-time black hole list) integration are standard Spam prevention features. This enables users to focus on the emails they need and ensures the email network is not burdened with unproductive traffic.

An extended Spam prevention option is available when intensive probability analysis techniques are necessary. A Bayesian algorithm computes Spam probability based on weighted filtering of signatures. In combination with this technique, is real-time source IP reference. Until now, customers have been faced with decisions to outsource email services to achieve such a high-level of Spam prevention. This is because Spam rejection quality directly correlates to email traffic volume. Nokia Message Protector maintains a real-time connection to the leading email subscription service that scans more than 110 million emails per day. The result is fewer false positives, and eliminates any necessity to detour email traffic outside the corporate network.

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Content Inspection

Intellectual property is protected because tagged content can be prevented from leaving the email network. Legal liability is limited because offensive messages and copyrighted attachment types and sizes can be controlled through policy definition rights. Policy definition utilities provide the detailed level of granularity required to achieve compliance with industry and government regulations.

Virus Protection

Rapid outbreak response through fast signature development and delivery is achieved using secure automated updates. As witnessed with recent virus attacks, email system availability is often determined by whether the latest software has been deployed. Protecting messages at the Internet gateway can prevent end-user and mail server platforms from infection by Trojan horses, worms and blended attacks.

Secure Automated Updates

Nokia Message Protector minimizes the latency for deploying new signature updates and application revisions. A fully redundant and globally automated network service pre-tests updates providing the flexibility to deploy with or without operator intervention. Secured communications and digital signatures can eliminate man-in-the-middle attacks.

High Performance Hardened Appliance

Nokia Message Protector runs Nokia IPSO™-SX, a purpose-built operating system, optimized and

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hardened for intensive email processing. Its plug-in architecture leverages shared processes to minimize overhead. With throughput of up to 120,000 messages per hour, a single Nokia Message Protector often replaces multiple MTA (mail transfer agent) gateways from other vendors. With all software pre-installed and pre-configured, deployment can take as little as five minutes using Nokia Network Voyager secure remote web-based configuration management.



Nokia SC6600

1 RU chassis
1 Integrated 10/100 Ethernet
1 Integrated 10/100/1000 Ethernet
Dual Intel Processors
Dual 36 GB "hot swap" SCSI drives in a hardware RAID-1 configuration
1 GB RAM
Console port for access
Width 16.8 in. / 42.8 cm
Height 1.7 in. / 4.4 cm
Depth 25.6 in. / 65 cm
Weight 24.5 lbs. / 11 kg (packaged)

Backed By Nokia Customer Support
Nokia First Call—Final Resolution is the single source of service accountability for Nokia Message Protector, with its world-class support infrastructure and resources. From delivery of secure automated updates to expert technical assistance to on-site hardware service, customers can choose the support package that meets their needs.

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