



INTELLIGENT GATEWAY MESSAGING SECURITY SOLUTIONS

KEY BENEFITS

Intelligent Flow Control

Cloudmark Gateway uses intelligent rate limiting, RBLs, traffic shaping and other flow control techniques to reduce overall messaging abuse to the network and deter spammers from sending large volumes of unwanted mail.

Cloudmark Authority Content Filtering

Cloudmark Gateway runs Cloudmark Authority content filtering at the protocol or content stage. Cloudmark Authority's comprehensive anti-spam, anti-phishing and anti-virus solution improves customer satisfaction and significantly lowers operational and infrastructure costs.

Policy Management Engine

The Cloudmark Gateway policy management engine ties into LDAP and other repositories for supporting custom rules, whitelists/blacklists, sender authentication and other policies. Service providers are able to implement even the most complex policies at the edge to fully control service levels and workflow.

Flexible Data Connectors

Cloudmark Gateway integrates with existing messaging infrastructures, including mail stores and provisioning systems – even unifying disparate legacy infrastructures.

Reporting and Analytics

Cloudmark Gateway offers real-time and historical reporting. Reports are fully customizable and available in multiple formats. Full system visibility permits early detection of delivery problems or sender abuse. In addition, enhanced understanding of subscriber usage patterns and behavior improves policy decision-making and infrastructure planning.

Cloudmark Gateway™ is a high-performance edge mail transfer agent (MTA) that is integrated with the Cloudmark Authority messaging anti-abuse solution. When deployed on Sun Solaris, Cloudmark Gateway provides unparalleled message throughput and scalability. Cloudmark Gateway empowers service providers and enterprises with complete control over message handling and policy enforcement at the edge of the network. As a result, the majority of unwanted email traffic can be captured before it impacts internal messaging servers and storage, thus significantly reducing overall systems costs.

Designed for carrier-class deployments, the Cloudmark Gateway software platform operates in a clustered environment, with policy management, shared intelligence and dynamic failover across the cluster. Cloudmark Gateway servers are managed and monitored centrally through a Web-based or command line administration console.

INTELLIGENCE AT THE EDGE

Cloudmark Gateway is uniquely able to run full content filtering at the edge of the network due to Authority's high performance level). In addition, customer-defined policies and sender reputation intelligence can be applied during the SMTP session, before the message is accepted. Lastly, specific protocol-level threat prevention techniques such as flow control, anti-denial of service, traffic shaping and connection throttling can be used to limit all forms of messaging abuse. As a result, Cloudmark Gateway is able to stop abusive messages (now up to 96% of the total mail stream) before they impact messaging infrastructure.

CARRIER GRADE PERFORMANCE AND SCALABILITY

Cloudmark Gateway running full content filtering is able to process over 3 million messages per hour/per server – up to 15 times faster than competitive solutions. Cloudmark Gateway's architecture is designed to dynamically scale to 100,000 concurrent connections, ensuring high availability and service quality at all times.

COMPLETE POLICY CONTROL

Cloudmark Gateway is designed to support any messaging or business policies by hooking into LDAP settings, databases, billing systems and other data sources. Cloudmark Gateway's extensible framework enables easy integration with third party applications, legacy systems and other tools.

HIGHEST ACCURACY AND SPEED

Cloudmark Gateway incorporates Cloudmark Authority – the industry's fastest and most accurate anti-abuse solution. Cloudmark Authority stops spam, phishing and viruses with greater than 98% accuracy and near zero false positives. It uses Advanced Message Fingerprinting™ algorithms together with reporting from the Cloudmark Global Threat Network to automatically detect all messaging threats and their variants. On Cloudmark Gateway, Cloudmark Authority can be run either before or after a message has been accepted during the SMTP session.





SUPPORTED PLATFORMS

- Sun Solaris 10 on Sun SPARC 64-bit
- Sun Solaris 10 on Sun x86 64-bit

CLOUDMARK GATEWAY DEPLOYMENT

Cloudmark Gateway is typically deployed for edge messaging protection on Sun Solaris servers at service providers around the world. Cloudmark Gateway can work in conjunction with Sun Java System Messaging Server and other components of the Sun Java Communications Suite.

LEVERAGE THE SUN AND CLOUDMARK SOLUTION

The Cloudmark and Sun solution combines Cloudmark intelligent filtering technology with high-performance, robust Sun servers and Sun Java™ System Messaging Server software for a carrier-grade, highly efficient, messaging security solution. Scalable Sun server platforms can dramatically increase throughput and reduce energy consumption and datacenter footprints for service providers. Sun Fire™ T1000, Sun Fire T2000, and Sun Fire T5120 servers with CoolThreads™ technology are ideal for Cloudmark anti-spam software, providing almost twice the message throughput of other hardware solutions. Sun also offers a line of x64 servers powered by the Next-Generation AMD Opteron™ processor. Presenting industry-leading price/performance, these servers offer new standards for performance, reliability, and energy efficiency.

All Sun servers run the powerful Solaris™ 10 Operating System (OS), the world's leading UNIX® operating environment. Innovative enhancements to the Solaris OS make it the most advanced operating system ever built, and its proven performance provides the Cloudmark software with additional throughput, message processing, and filtering performance advantages.



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