



CLOUDMARK GATEWAY™ for Service Providers

FEATURES AND BENEFITS

Intelligent Flow Control

Cloudmark Gateway utilizes intelligent rate limiting, RBLs, tarpitting, traffic shaping and other flow control techniques against malicious senders to minimize impact on messaging infrastructure. This dramatically reduces overall messaging abuse and deters spammers from sending to your network.

Full Content Filtering at the Edge

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

Flexible Policy Management Engine

The Cloudmark Gateway policy management engine ties into LDAP or other repositories for supporting custom rules, whitelists/blacklists, sender authentication and other policies. Flexible policy management and sieve++ scripting provide the ability to take action on messages during the SMTP session and control many aspects of the platform through script. The policy management engine is fully extensible, enabling easy integration with legacy or 3rd party applications.

Cloudmark Sender Intelligence

The new Cloudmark Sender Intelligence service is available as a DNSBL for Cloudmark Gateway. Cloudmark Sender Intelligence leverages multiple sources, including real-time reporting, traffic pattern analysis and fingerprinting correlation, to deliver the most accurate and up-to-date sender profiles. This service provides additive coverage to existing RBLs.

Centralized Administration and Management

Cloudmark Gateway offers both Web-based and powerful command line interface management and reporting. Global cluster configuration and policy management saves valuable administrative time. System administrators receive consolidated views across the cluster and are able to monitor server states and activities via an easy-to-use interface, enabling early detection of delivery problems or abuse.

High Performance Protection at the Edge of the Network

From spam, viruses and phishing scams to DoS attacks, service providers are more susceptible than ever to a range of undesired traffic that continues to grow in volume and sophistication. This unprecedented surge in abuse requires a new paradigm to protect valuable messaging infrastructures and your subscribers' email experience.

Cloudmark Gateway – a high-performance mail transfer agent (MTA) – integrates with the Cloudmark Authority messaging security solution to offer unmatched protection at the edge of the network. Applying policy-based protocol and content filtering, Cloudmark Gateway blocks unwanted email traffic before it impacts messaging servers, storage and other infrastructure. Cloudmark Gateway also effectively prevents “botnet” and “zombie” attacks from compromising your network. The result: lower infrastructure and operational costs and a markedly improved email experience, free from the dangers and aggravations of messaging abuse.

Cloudmark Gateway operates in a cluster configuration to achieve near infinite scalability and carrier-class reliability. Cloudmark Gateway is also extremely efficient, requiring only a fraction of the processing resources of competitive solutions. Furthermore, Cloudmark Gateway's flexible policy management engine enables service providers to offer highly individualized messaging services. Cloudmark Gateway's fully extensible platform interfaces with all major message stores, databases, provisioning and billing systems, directories and legacy email servers.

INTELLIGENCE AT THE EDGE

Cloudmark Gateway is able to run full content filtering at the edge due to Cloudmark Authority's high performance level. As a result, Cloudmark Gateway is able to stop 90-95% of all emails at the edge, significantly reducing impact on messaging infrastructures. Service provider-defined policies as well as Cloudmark Sender Intelligence can be applied at the SMTP stage to handle traffic. Specific 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.

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.

INDUSTRY-HIGHEST ACCURACY

Cloudmark Gateway works seamlessly with Cloudmark Authority – the industry's fastest and most accurate messaging security 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 corroborated reporting from the Cloudmark Global Threat to automatically detect messaging threats and their variants. Cloudmark Authority can be run at either the SMTP stage or at the content stage after a message has been accepted.

CARRIER-GRADE PERFORMANCE AND SCALABILITY

Each Cloudmark Gateway is able to process over 3 million messages per hour with full Cloudmark Authority content filtering – up to 20 times faster than competitive solutions. Cloudmark Gateway's architecture is designed to dynamically scale ensuring high availability and service quality at all times.

FEATURES AND BENEFITS cont.

Reporting and Analytics

The Cloudmark Gateway software configuration supports SNMP reporting, allowing easy integration with existing monitoring systems. It also provides live traffic analytics via a Web interface, including comprehensive tabular and graphical reports that can be exported into various formats.

Extensible Platform

The Cloudmark Gateway platform enables high flexibility and programmability. Product functionality can easily be extended through API support for business applications, such as third party or custom-developed billing, network provisioning and support systems.

TECHNICAL INFORMATION – SOFTWARE CONFIGURATION

Supported Operating Platforms – Software Configuration

Red Hat Enterprise Linux 4 and 5 (32 bit and 64 bit Intel platforms)
Sun Solaris 10 (64 bit SPARC and Intel platforms)

Injection Protocols

SMTP/ESMTP

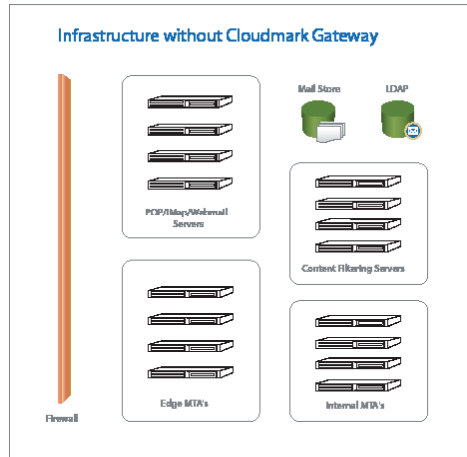
Delivery Protocols

SMTP (RFC 2821 compliant)
LMTP (RFC 2033 compliant)

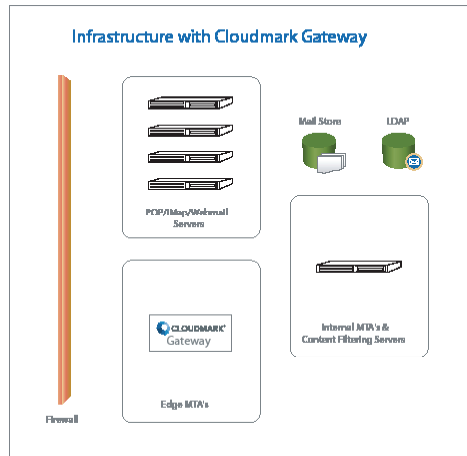
Performance

SMTP Reception: 3+ million messages per hour with full content filtering
SMTP Delivery: 3+million messages per hour with full content filtering
Concurrent SMTP Sessions: 100,000+

CLOUDMARK GATEWAY IN THE SERVICE PROVIDER ENVIRONMENT



Cloudmark Gateway dramatically reduces infrastructure costs for service providers



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