

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 the messaging infrastructure. This dramatically reduces overall messaging abuse and deters spammers from sending to the network.

Full Content Filtering at the Edge

Cloudmark Gateway can run advanced content filtering solutions, such as Cloudmark Authority®, at the protocol or at the content filtering stage to deliver comprehensive protection against spam, phishing and viruses.

Flexible Policy Management Engine

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

Sender Intelligence

Cloudmark Sender Intelligence (CSI) is a comprehensive global sender monitoring and analysis system that utilizes the data gathered from Cloudmark's Global Threat Network to determine the reputation of sender's originating messaging content. It leverages multiple sources, including real-time reporting, traffic pattern analysis and fingerprinting correlation, to deliver the most accurate and up-to-date sender profiles.

HIGH PERFORMANCE PROTECTION AT THE EDGE OF THE NETWORK

Messaging abuse directly impacts service providers' messaging infrastructure, causing network strain and preventing the delivery of high quality service to customers. Service providers continue to seek solutions that streamline and optimize the network infrastructure while providing carrier grade protection against messaging abuse.

Cloudmark Gateway delivers a holistic messaging security solution that combines email messaging management and complete, end-to-end spam-filtering solutions to protect service providers and subscribers against all forms of current and emerging messaging threats. Cloudmark Gateway's flexible policy management engine enables service providers to offer highly individualized messaging services. By applying policy-based protocol and content filtering, Cloudmark Gateway blocks unwanted email traffic before it impacts messaging servers, storage and other infrastructure, resulting in lower infrastructure and operational costs.

Cloudmark Gateway delivers a high performance security solution with only a fraction of the processing resources of competitive solutions. The solution's fully extensible platform interfaces with all major message stores, databases, provisioning systems, billing systems, directories and legacy email servers. Cloudmark Gateway also operates in a clustered configuration to achieve near infinite scalability and carrier-class reliability, increasing accuracy to well over 99%.

STREAMLINED MESSAGING INFRASTRUCTURE

Cloudmark Gateway provides service providers with a comprehensive and intelligent email processing and security platform that protects service provider's email infrastructures from messaging abuse. 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.

OPERATIONAL AND CAPITAL EFFICIENCY

Cloudmark Gateway blocks and eliminates malicious email traffic before it hits the messaging infrastructure, preventing network overload and disruption of service. With Cloudmark Gateway, service providers need fewer servers to manage their email traffic, driving capital and operational savings.

COMPLETE POLICY CONTROL AND FLEXIBILITY

Cloudmark Gateway is designed to support any messaging or business policies by hooking into LDAP settings, databases, billing systems and other data sources. Service provider-defined policies as well Cloudmark Sender Intelligence, a comprehensive sender reputation service, can be applied at the SMTP stage to handle traffic. Cloudmark Gateway's extensible framework enables easy integration with third party applications, legacy systems and other tools.

Cluster Management

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

Cluster Intelligence

Cloudmark Gateway servers also share intelligence between all nodes in the cluster in real-time, enabling site-wide policy enforcement instead of having policies limited to each individual server.

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.

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.

CARRIER-GRADE PERFORMANCE AND SCALABILITY

Cloudmark Gateway's architecture is a scalable messaging engine, designed to dynamically grow while ensuring high availability and service quality at all times. Cloudmark Gateway is able to process more than 3 million messages per hour for performance up to 20 times faster than competitive solutions.

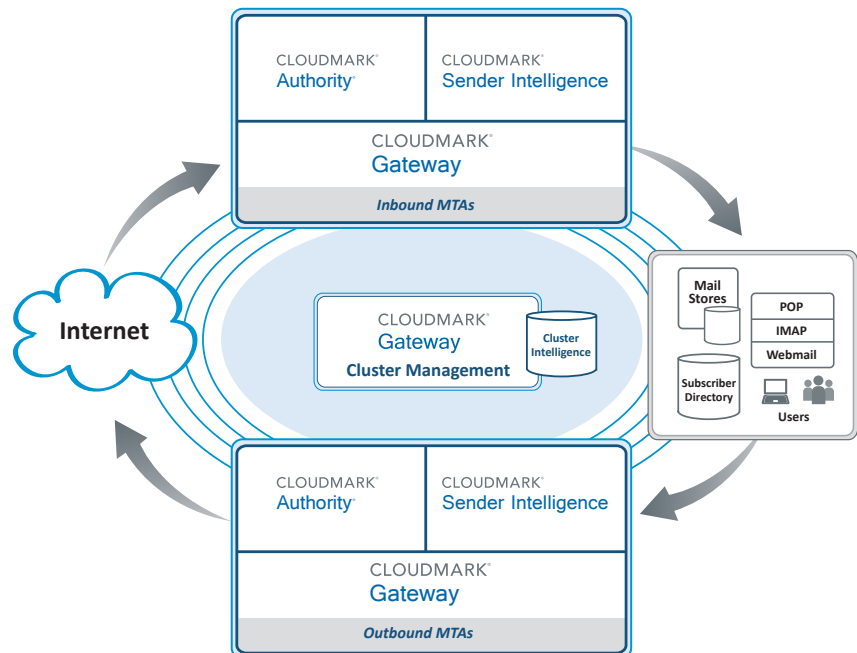
CLOUDMARK GATEWAY IN THE SERVICE PROVIDER ENVIRONMENT

Cloudmark Gateway dramatically reduces infrastructure costs for service providers.

TECHNICAL INFORMATION—SOFTWARE CONFIGURATION

Cloudmark Gateway dramatically reduces infrastructure costs for service providers.

- Supported Operating Platforms – Software Configuration
Red Hat Enterprise Linux 5 (64 bit x86 platforms)
Ubuntu Linux (64 bit x86 platforms)
- Injection Protocols – SMTP/ESMTP/HTTP
- Delivery Protocols
SMTP (RFC 5321 compliant)
LMTP (RFC 2033 compliant)



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