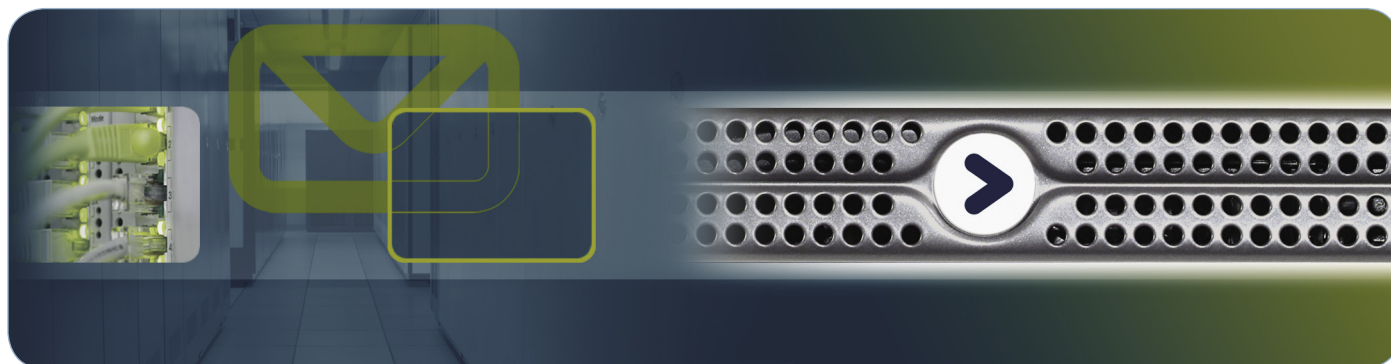


Proofpoint Messaging Security Gateway



The Proofpoint Messaging Security Gateway™ delivers the industry's most complete and effective security for enterprise messaging infrastructures. It combines a robust, enterprise-class MTA with perimeter security, anti-spam, anti-virus, secure messaging and outbound content security capabilities in an easy-to-deploy, high-performance, hardened appliance.

features

The Proofpoint Messaging Security Gateway delivers the powerful features of the best-in-class Proofpoint Protection Server® right out of the box—without the need for extensive customization.

- Secures your network against spam, viruses, connection-level attacks, and hackers—right at the gateway.
- Proofpoint MLX™ machine learning technology provides unrivalled anti-spam effectiveness and content filtering accuracy.
- Protects your enterprise from liability created by incompliant or offensive emails.
- Protects valuable intellectual property and trade secrets.
- Deploys in just minutes by simply plugging into your network.
- Supports encrypted email via TLS or popular third-party secure messaging systems.
- High-performance MTA proven in the most demanding enterprise email infrastructures.
- Hardened and vulnerability-tested appliance exceeds enterprise and government security requirements.
- Integrates with enterprise identity management systems such as Active Directory, Domino Directory, and other LDAP sources.
- Intelligent perimeter security features such as MLX Dynamic Reputation and SMTP traffic control protect against malicious connections.
- A true “zero administration” solution with unified policy management and robust reporting features.

Secure. Effective. Easy to deploy.

Those are just a few of the ways to describe the Proofpoint Messaging Security Gateway. It's the industry's most powerful messaging security solution—packaged as a hardened, enterprise-ready appliance that offers:

- Unbeatable spam detection
- World-class virus protection
- Comprehensive content security
- Impenetrable email firewall
- Hardened components
- Enterprise-grade performance
- Rapid deployment
- Optimal scalability architecture
- Futureproof technology

“Pacific Sunwear evaluated quite a number of anti-spam, anti-virus and content scanning products, and Proofpoint was the first company to deliver a platform that resolves all our email and messaging challenges in a single, easy to deploy and easy to manage solution. The Messaging Security Gateway Appliance has restored our email channel to its rightful place as a strategic conduit for business communications, rather than a revolving door for message-borne threats.”

Ron Ehlers
VP of Information Systems
Pacific Sunwear

Proofpoint Messaging Security Gateway

Proofpoint MLX Technology

Advanced message security

The power behind Proofpoint's enterprise messaging security solutions—Proofpoint MLX—is an advanced, patent-pending machine learning system developed by the scientists at Proofpoint's MLX Laboratory. Based on advanced statistical techniques including logistic regression and support vector machines, Proofpoint MLX enables the accurate classification and identification of unstructured content, such as the contents of email messages and valuable company documents.

Unparalleled accuracy

Proofpoint MLX is the basis for the unrivalled anti-spam accuracy delivered by the Proofpoint Messaging Security Gateway. Using MLX, Proofpoint analyzes more than 100,000 structural and content attributes to accurately differentiate between spam and valid messages. Traditional anti-spam solutions evaluate only a limited number of attributes and are unable to decisively classify spam, leading to low effectiveness and a high rate of false positives.

Futureproof intelligence

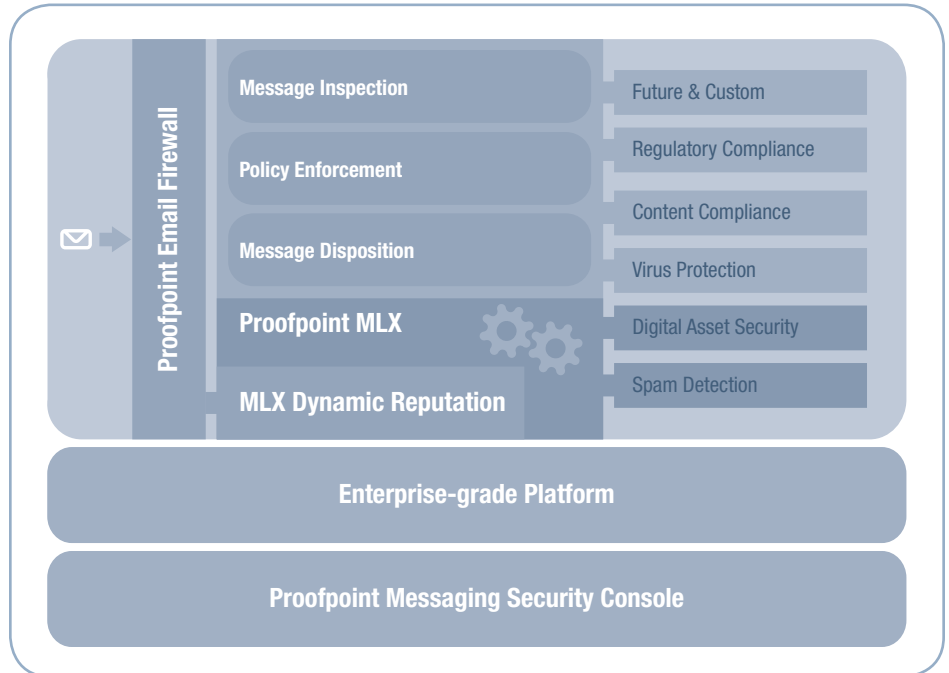
Proofpoint's intelligent anti-spam technology is continually being trained by Proofpoint scientists to defend against new forms of spam. This training allows MLX to predict and adapt to new forms of spam as they appear. Unlike other anti-spam solutions, Proofpoint's ability to defend against spam attacks does not degrade over time—and updates to the MLX anti-spam engine are automatically delivered to your Proofpoint gateway on a regular basis. Proofpoint MLX is constantly evolving to counter emerging threats, ensuring that your messaging infrastructure is secure against tomorrow's spammers as well as today's.

Proofpoint MLX technology also powers the advanced content security features of the Proofpoint Digital Asset Security module and the intelligent perimeter security features of Proofpoint Email Firewall and MLX Dynamic Reputation service. Proofpoint is the only vendor to apply these powerful machine learning techniques to messaging security.

complete protection

All-in-one messaging security

Why purchase yet another point solution? Proofpoint's messaging security platform provides comprehensive defense against both inbound and outbound messaging threats—and Proofpoint's modular architecture lets you easily deploy new defenses as your needs change.



Spam detection

Powered by patent-pending Proofpoint MLX machine learning technology, the Proofpoint Spam Detection™ module examines more than 100,000 structural and content attributes in every email to block the most spam, automatically adapting to new spam attacks as they appear. And the Proofpoint Dynamic Update Service™ automatically keeps your spam protection up to date, ensuring maximum effectiveness at all times. Individually controllable spam and adult content scores allow you to enforce zero-tolerance policies against pornographic spam. Anti-phishing features stop the spread of phish and other identity-theft attacks from stealing personal information from employees. Proofpoint Spam Detection can be uniquely customized to the environment and lexicon of each organization.

Virus protection

Through strategic partnerships with leading anti-virus vendors, Proofpoint Virus Protection™ provides complete virus scanning functionality. Virus engines are deeply integrated with Proofpoint's platform, providing convenient, centralized administration of anti-virus policies from the same interface used to manage spam and content policies. Messages are efficiently scanned for viruses in parallel with spam and message content, protecting end users from viruses, worms, and other malicious code.

Content compliance

Proofpoint Content Compliance™ makes it easy to define and enforce corporate acceptable use policies for message content and attachments. A convenient point-and-click interface simplifies the process of defining complex logical rules related to file types,

message size, and message content. Proofpoint's content compliance features can be used to identify and prevent a wide variety of inbound and outbound policy violations — including offensive language, harassment, file sharing, and violations of external regulations. Non-compliant messages can be acted on with a wide variety of options, including quarantine, reroute, reject, annotate, and other actions.

Digital asset security

As email has become the most important communication channel in today's enterprise, email systems have become the main repository for sensitive, confidential, and mission-critical information. The optional Proofpoint Digital Asset Security™ module keeps valuable corporate assets and confidential information from leaking outside your organization via email. Powerful MLX machine learning technology analyzes and classifies your confidential documents and then continuously monitors for that information in the outbound message stream—stopping content security breaches before they happen.

Regulatory compliance

The optional Proofpoint Regulatory Compliance™ module protects your organization from liabilities associated with privacy regulations such as HIPAA and GLBA. Pre-defined rules automatically scan for non-public information, including protected health information and personal financial information, and act on non-compliant communications, rejecting or encrypting messages as appropriate. Proofpoint's Dynamic Update Service ensures that your compliance dictionaries and rules are always up to date.

unparalleled security

Proofpoint Email Firewall™ for complete perimeter security

The integrated Proofpoint Email Firewall provides the SMTP-level perimeter security features demanded by today's enterprise, creating an impenetrable shield around your messaging systems. Proofpoint's MLX Dynamic Reputation™ technology and SMTP traffic control features work together to protect your network from all types of malicious connections.

MLX Dynamic Reputation and SMTP traffic control

Proofpoint MLX Dynamic Reputation technology constantly monitors SMTP connections at the IP address level, looking for suspect or malicious activity. Proofpoint monitors the number of connections, type of activity, and content of messages coming from each IP address. Proofpoint MLX machine learning techniques are used to analyze network activity in real-time and assess the risk associated with each connection.

Based on this analysis, the Proofpoint Messaging Security Gateway takes automatic, corrective action using SMTP traffic control. Malicious connections are automatically blocked or throttled based on fully customizable mail traffic policies.

The Proofpoint Email Firewall provides an impenetrable defense against a wide variety of network-level attacks, including Denial of Service, Dictionary, and Directory Harvest Attacks, keeping your network and email users safe while preserving network bandwidth. Only Proofpoint offers this dynamic, real-time, and self-tuning perimeter security solution.

Secure messaging and authentication

Proofpoint Messaging Security Gateway supports digital certificates and enables gateway-to-gateway secure transfer and receipt of email using Transport Layer Security (TLS). Sensitive information can easily be encrypted for specific domains or business partners, or in response to regulatory compliance concerns. To further ensure the security of encrypted messages, the gateway also supports optional authentication of senders and receivers via TLS. In addition to these built-in secure messaging features, Proofpoint also supports server-to-gateway and desktop-to-desktop secure messaging through partnerships with leading secure messaging vendors.

Centralized Administration

Web-based administration with complete end-user control

The Proofpoint Messaging Security Console™ provides a centralized, 100% web-based administration interface to Proofpoint's unified policy management framework, ensuring consistent application of corporate messaging policies. The Console makes it easy to monitor and control your messaging infrastructure and define messaging policies. You can even define and enforce different policies for different groups of end users. As optional Proofpoint modules (such as Digital Asset Security) are added to your deployment, the same convenient interface is used for policy management.

Robust reporting

The Console also provides access to more than 40 real-time graphical reports and alerts that give complete visibility into the state of your enterprise messaging system. Reports can be easily emailed or posted as HTML/XML. Proofpoint's "active" reports deliver key information but also allow administrators to take immediate action (for example, simply click a link to block an abusive sender). Easy-to-understand end-user reports and controls, such as Proofpoint's end-user digest and personalized safe- and block-lists, give users complete control over their own spam preferences.

Zero Administration

Always up-to-date protection with zero administration

With automatic installation and notification of updated components, Proofpoint provides a true "zero administration" solution. The Proofpoint Dynamic Update Service ensures that your network always has the highest level of protection from message-borne threats. It provides continuous updates for every component of the Proofpoint Messaging Security Gateway, including the hardened operating system and MTA, spam and virus engines, lexicons (such as the offensive language dictionary and dictionaries used by the Proofpoint Regulatory Compliance module), application components, and customized hot fixes.

Proofpoint Messaging Security Gateway

unrivalled performance

Hardened components, enterprise-class performance

The Proofpoint Messaging Security Gateway delivers complete confidence in operations with the scalability, availability, and performance demanded by large enterprises, universities, and government organizations.

Hardened, redundant components for maximum availability

Custom manufactured by Dell to Proofpoint specifications, the Proofpoint Messaging Security Gateway is designed for the most demanding enterprise messaging environments. High availability is ensured by redundant power supplies, network interfaces, and storage components. And users enjoy a single contact for hardware support backed up by Dell's world-class field service team.

Flexible deployment, optimal scalability

The P600, P800, and P1000 gateway appliances are highly scalable and can be easily deployed in industry-standard cluster configurations to support complex or geographically distributed data centers. Different gateway models can be cost-effectively deployed in any combination to support tens of millions of messages per day.

Proofpoint's optimal scalability architecture lets you manage all agent gateways from a single master console. Automatic configuration propagation, a centralized message quarantine, and centralized reporting simplify maintenance and reduce total cost of ownership.

The Proofpoint Messaging Security Gateway deploys in a matter of minutes, immediately protecting your email users from all message-borne threats. It features 100% browser-based configuration and is interoperable with any email server solution.

models

To fit any size organization, the Proofpoint Messaging Security Gateway is available in three models—the P600, the P800, and the P1000—and is compatible with any email solution.

	Proofpoint P600 Gateway	Proofpoint P800 Gateway	Proofpoint P1000 Gateway
Rack units	1	1	4
Processors	1 Intel Xeon processor	2 Intel Xeon processors	4 Intel Xeon processors
Memory	1GB	2GB	8GB
Disks	2 hotswappable 73GB RAID1 with battery-backed cache	2 hotswappable 73GB RAID1 with battery-backed cache	4 hotswappable 146GB RAID10 with battery-backed cache
Network	2x Gigabit BaseT	2x Gigabit BaseT	2x Gigabit BaseT
Power supplies	Dual hot-plug redundant; 320 watts, 100/240 volts	Dual hot-plug redundant; 320 watts, 100/240 volts	Dual hot-plug redundant; 320 watts, 100/240 volts
Drives	1.44MB diskette drive DVD-ROM	1.44MB diskette drive DVD-ROM	1.44MB diskette drive DVD-ROM
Administration	Web-based	Web-based	Web-based
Platform	Secure performance-optimized Linux-based runtime environment	Secure performance-optimized Linux-based runtime environment	Secure performance-optimized Linux-based runtime environment
	Locked-down services and ports	Locked-down services and ports	Locked-down services and ports
	Controlled user access	Controlled user access	Controlled user access
Performance*	Up to 25,000 messages/hour*	Up to 60,000 messages/hour*	Up to 100,000 messages/hour*

* Performance measurements based on Proofpoint lab testing simulating typical deployment environments with all modules installed. Maximum performance may vary in field deployments.

Secure Software Components

- A custom hardened, Linux-based OS with included Email Firewall provides a secure runtime environment, fine-tuned for messaging applications.
- A hardened, industry-standard MTA makes Proofpoint Messaging Security Gateway more reliable than other appliances built on proprietary MTAs.
- Software and firmware components are automatically kept up to date via Proofpoint's Dynamic Update Service.
- User, file, and command access are strictly enforced, reducing the likelihood of security breaches.

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