



MESSAGING SECURITY GATEWAY

Detect attacks before they enter your network

F-Secure 

OVERVIEW

This document explains the functionality of F-Secure Messaging Security Gateway (MSG) – what it is, what it does, and how it works.

Key features

MSG offers two main features for email communication: protection and privacy.

- Virus protection and spam detection help protect your company's computers and data against external threats.
- Email encryption allows you to make sure that private information stays private.



Benefits

- MSG offers complete defense against email threats with 99%+ anti-spam accuracy and 100% anti-virus protection.
- Reduces the load on mail servers and the company network, minimizing the need for hardware investments.
- Email encryption prevents accidental leaks of confidential data.
- MSG offers total control and flexibility for email security.



THE CASE FOR EMAIL PROTECTION AND PRIVACY

Email is still the most common means of communications within and between companies. Its everyday use makes it an essential part of any company's basic functions.

Phishing messages are often designed to steal sensitive and confidential data. Unlike traditional spam, they attempt to hijack company data by imitating legitimate email messages to appear trustworthy. Today, phishing messages are sent with low volumes and are often not detected by traditional spam scanning.

Phishing messages may often only contain a URL for further information, meaning that they can easily slip through spam filters and reach the end-user's inbox.

It is important to understand the new forms of malicious emails, because ordinary spam definition updates are too slow and usually do not protect you from new types of exploits. This makes real-time URL reputation checking a necessity.

Privacy in email communication

Another critical issue is the privacy of confidential information. You must ask yourself (and all your employees) three critical questions:

1. Have you ever sent an email to the wrong address?
2. Do you know that sending a message without email encryption is similar to dropping a postcard?
3. Do you know what information must be encrypted?

It is very easy to avoid human errors and mistakes with the right tool that automatically encrypts mails containing any information that can be considered private or confidential.

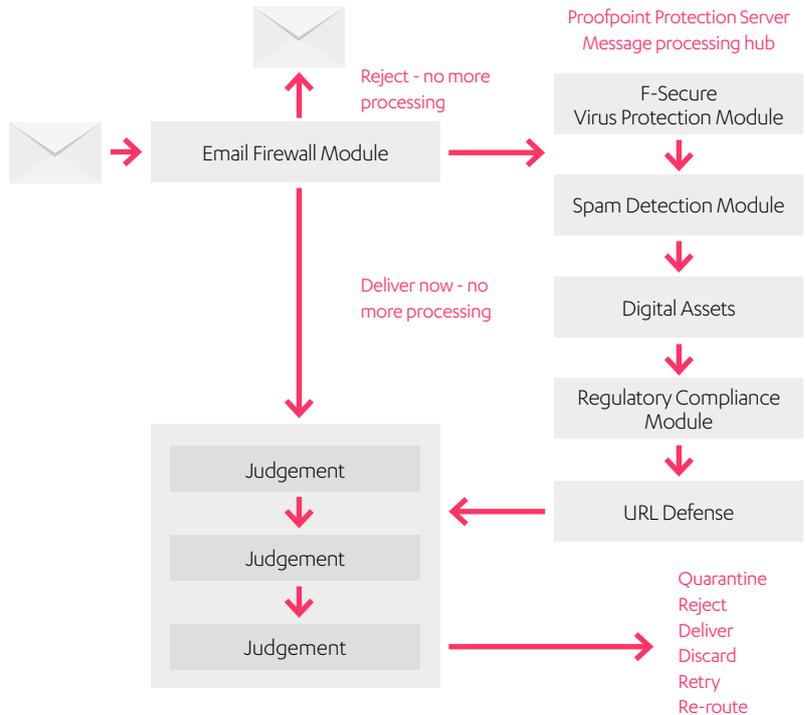
WHAT IS F-SECURE MESSAGING SECURITY GATEWAY?

Messaging Security Gateway is an all-in-one solution for your anti-spam, anti-malware and encryption needs. It helps you detect and stop attacks even before they enter your network. It is an easy-to-use tool – just install it and forget all about it. It offers you automatic control of confidential information.

The solution is easy to implement and rebrand for your company needs. It comes with enterprise-class availability and scalability and is simple to administer with no loss of control.

How does it work?

The solution protects inbound and outbound email traffic against any type of threat.



COMPLETE PROTECTION IN ONE PRODUCT

Email Encryption

Policy-based Encryption

Trusted Partners

TLS Encryption

Data Loss Prevention



Virus Protection

Signature-based

Zero-hour Threat Detection

Paraller Message Analysis

Dynamic Updates

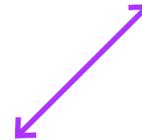
Spam Detection

Categorization

URL Protection

Self Learning

Global Reputation Check



FEATURES INCLUDED IN THE SOLUTION

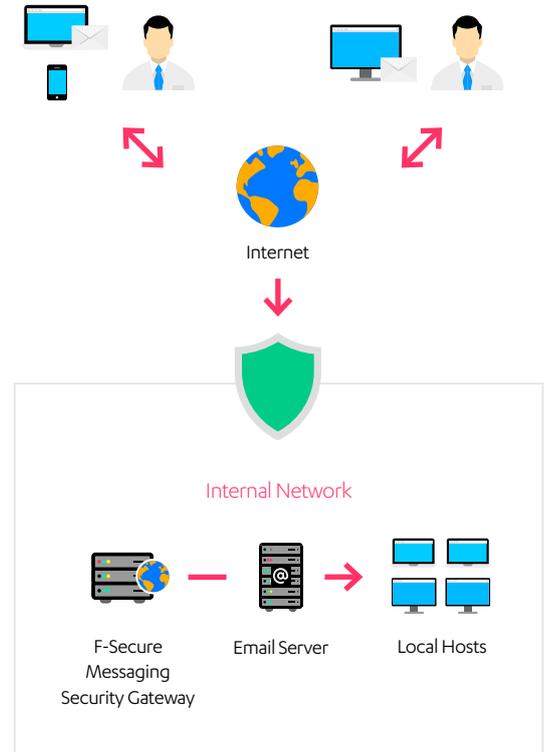
Global Features

Host Firewall	Quarantine Management	Alert Monitoring
Policy Route Management	Branding Templates	User / Group Management
Email Firewall	End User Management	Data Loss Prevention

SMTP Rate Control	LDAP Integration	Digital Assest
Recipient Verification	Smart Send	Regulatory Compliance
Sender Policy Framework	End User Digests	Smart Identifiers
Bounce Management	End User Portal	Dictionaries
DomainKeys Identified Mail	Reporting	Business Partners

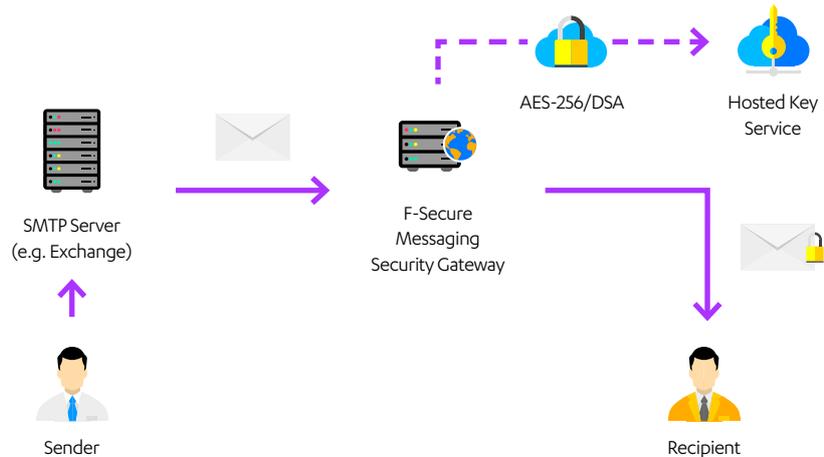
DEPLOYMENT AND INSTALLATION

The F-Secure Messaging Security Gateway is designed as a gateway product to protect the email environment inside your network. The solution supports hardware, virtual or hybrid deployment. The solution is easy and quick to implement in your current network environment.



EMAIL ENCRYPTION

- Unbeatable email encryption and data loss prevention
- Simplified encryption key management
- Automatically applies encryption based on your organization's policies
- One-step encrypted email delivery for mobile, laptop, and desktop users
- Native, integrated, and strong encryption technology (AES 256-bit message encryption: and ECDSA 256-bit digital signature)
- Covers privacy and data security regulations including HIPAA, GLBA, PCI, SEC rules, and many more.



VIRUS PROTECTION

- Zero-hour threat detection
- Multi-layered threat protection
- Bidirectional filtering
- Best-in-class inbound and outbound email security

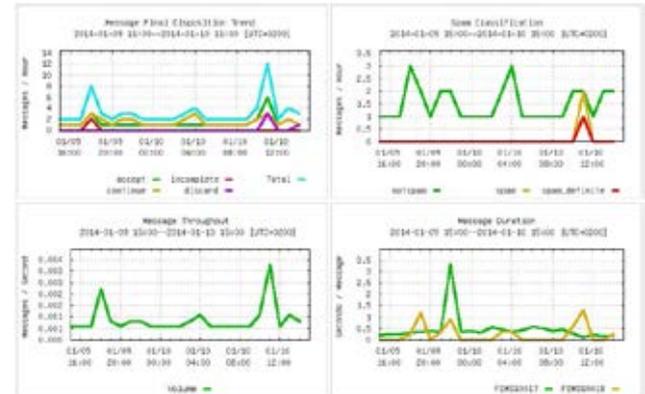
SPAM PROTECTION

- Ultimate protection against the latest email threats. Real-time reputation check for spam and URLs guarantees highly accurate spam detection
- Advanced machine learning technology for unrivalled anti-spam effectiveness

AUTOMATIC REPORTING

With the automatic reporting tool, you get an overview of the attempted and blocked attacks and can verify what emails are being filtered. You can also get an overview of the overall status of email traffic in the company. You can select what type of information you need to get.

- More than 60 ready-made reporting templates and scheduled reports
- Multiple ways to publish reports
- Customized reporting for each customer
- Branded reports according to your company's visual guidelines



MANAGEMENT

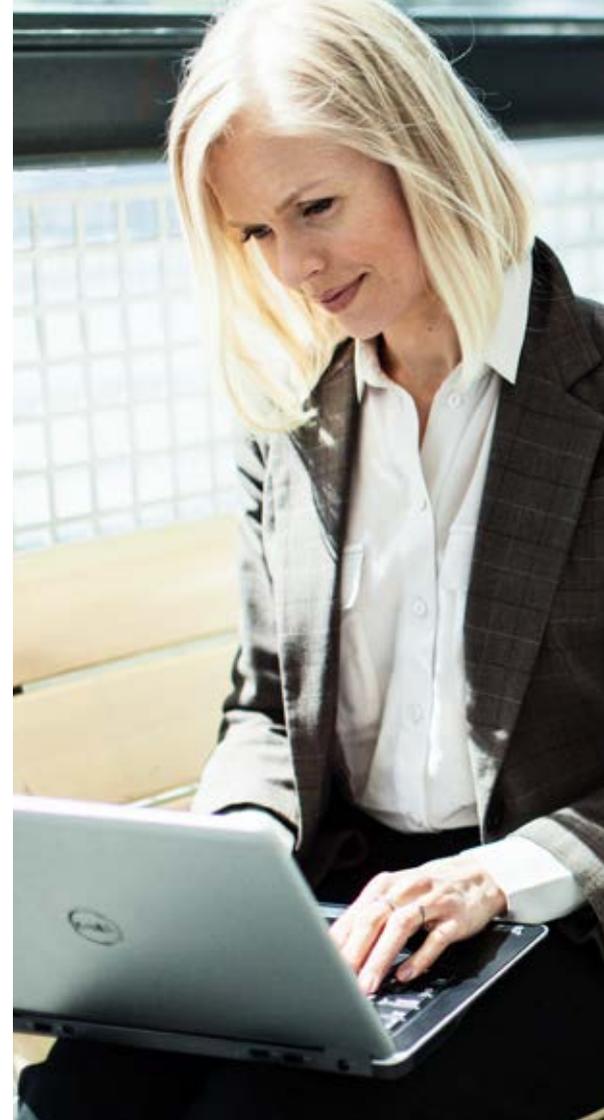
The protection functions of MSG are easy to manage through a web-based administration portal. Powerful end-user controls allow the administrator to easily manage the entire email environment.

Administrators can setup Sub-organizations (“Sub-Orgs”) with the Delegated Administration feature. Sub-Orgs are logical groups of users based on business units, geographical regions, roles, functions, organizational hierarchy, or a combination of these criteria. Additionally, the administrator can delegate administration of select controls and settings under each Sub-Org. Delegated Administrators can only view and manage the Sub-Org to which he or she has been given access by the root administrator.

Thanks to the new Sub-Orgs structure, user administration can be based on geographical regions, administrator roles, or administrator functions. Administrators can create a hierarchy of users that best represents the organizational structure by adding or deleting Groups that belong to a Sub- Org.

Sub-Orgs belong to the Organization, and will inherit filtering attributes from the Organization unless overridden by unique attributes for the Sub-Org. Spam policies, safe and block lists, digest attributes, and email encryption attributes can be changed at the Sub-Org level to gain the right level of mail filtering.

The email encryption included in Messaging Security Gateway works without downloading or installing additional client software. The solution stores only the encryption keys and not the actual encrypted message. It offers advanced detection of private and confidential information in both structured and unstructured data. The encryption works with any email client.



THIS IS F-SECURE

F-Secure is an online security and privacy company from Finland. We offer millions of people around the globe the power to surf invisibly and store and share stuff, safe from online threats. We are here to fight for digital freedom. Join the movement and switch on freedom.

Founded in 1988, F-Secure is listed on NASDAQ OMX Helsinki Ltd.

SWITCH ON FREEDOM

www.f-secure.com

