



Email Encryption Secure Messaging

Compliance and policy driven secure email delivery service

Email Encryption Overview

Email Encryption from SilverSky makes it easy to send secure, encrypted messages to anyone, no matter what email system they use. Password protected, secure web portal access ensures delivery integrity and confidentiality. Once a message is delivered, the recipient must login to retrieve it.

The service is administered via our Security Management Console where a dashboard tab shows real-time information, including a message list tab that provides a comprehensive audit trail of every message, and a reporting tab that shows useful information for current and prior months that can be saved as a PDF for later use. There are also tabs for rules management and an exempt list.

Email encryption from **SilverSky**

When an email user is subscribed to our service, each outgoing message is scanned by a content filtering engine. The filtering engine checks for "secure:" in the subject: field as well as any other available rules or custom rules to which the client is subscribed. The email is encrypted, stored in a secure server, and a notification is sent to the recipient(s) that a secure email is available for viewing. The notified recipient must then click on the link and is taken via SSL, a secure web communications protocol, to a registration page to create login credentials, or a login page if previously registered. The server infrastructure is well-protected inside our secure data center by multiple layers of intrusion defense systems.

Email administrators have access to our portal to review important information about all users' activity and can access some useful configuration features there as well. If the client is subscribed to the Email Compliance Archiving service from SilverSky, all messages including replies are stored for compliance purposes.

Why Choose SilverSky?

Strong heritage with significant experience in deploying secure email systems, compliance and behavioral analytics

Machine learning expertise enabling Social Engineering Protection to automatically update its model representing email communication patterns to maximize the protection of email infrastructures while minimizing false positives

Advanced technology research including application instrumentation to identify sandboxware malware, credential phishing prevention, and ClickTime analysis to ensure that links verified as malware-free by the email gateway are still safe when accessed by the end user

FEATURE	BENEFIT
BEC, CEO fraud and Whaling email detection	Detects potentially dangerous emails that, unlike traditional malware emails, do not contain attachments or links but instead use social engineering to exploit human weaknesses to persuade readers to compromise their organization by, for example, paying fake invoices or divulging personal or company confidential information.
Machine learning	Reduces the need for ongoing fine-tuning of the social engineering detection engine, by automatically building an updated model of the unique email patterns within the organization. This model is used to detect potential anomalies that could indicate a social engineering attack attempt.
In-email warning banner	Reinforces end-user security training by reminding email recipients to be aware of potentially suspicious emails, especially if they are tailored to look like they are specifically for them. In addition, the introduction of the banner increases the level of trust end users have of legitimate emails, which reduces the number of false positive emails that are reported to the IT security team to be investigated.
Email spoofing detection	Identifies attempts by hackers to impersonate company executives or legitimate suppliers by using similar domains or display names to ask for fraudulent payments to be made or sensitive information to be leaked.



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