

Cisco Registered Envelope Service Gives You Control over the Email You Send

This solution gives senders more control over their email. They can recall messages, expire them, and even disable forwarding capabilities, right in their favorite email client.

The commoditization of the Internet coupled with the widespread adoption of smartphones has made email the most widely used and most critical communication tool around the world—more than social media or microblogging. Millions of emails are sent daily. Unfortunately, email technologies have several limitations:

- It's difficult to ensure the confidentiality of unencrypted information sent over email; it goes through the network in clear text and can be easily intercepted.
- It's difficult to ascertain whether an email has reached its recipient(s) and if or when it was opened and read.
- There is no reliable way to recall email messages.
- Senders have no control over whom the recipient will forward the data to.

These shortcomings can prove difficult for organizations that need to comply with regulatory requirements or protect themselves from data leakage.

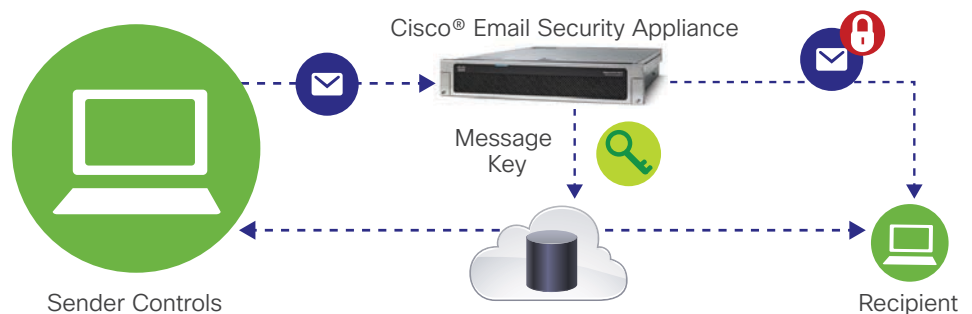
The Cisco® Registered Envelope Service solution provides enhanced security and reliable controls for traditional email tools. It is fully integrated into the most common email technologies and into a user's daily email routine. The three pillars of the solution are confidentiality, transparent user authentication, and enhanced email controls.

- **Confidentiality:** Cisco Registered Envelope Service is based on robust technology that uses the most reliable email encryption algorithms available. The solution not only encrypts the data to protect its confidentiality while it travels through the network, but also applies the latest authentication mechanisms to make access to the encryption key easy and highly secure.
- **Transparent user authentication:** The solution uses Security Assertion Markup Language (SAML) to authenticate and verify the identity of email recipients. With this unique implementation, you can provide strong authentication while retaining ease of use for the recipients. Once users are registered with the SAML gateway, they can use their corporate login credentials to access encrypted emails as easily as they access other company resources.



- **Enhanced email controls:** Highly secure messaging provides new email controls for users. Encrypted emails help ensure that the information sent remains confidential. The sender can also expire or recall an email and know exactly when the email was opened. This capability is now available on popular enterprise mail clients. The specific features are described below.
- **Read receipt:** When a recipient opens a message (meaning the user is successfully authenticated, and the recipient has received the encryption key), Cisco delivers a read receipt to the sender within seconds.
- **Guaranteed message recall:** When the sender selects the recall option, the key to decrypt the data expires, making it impossible for anybody to access the content of the message.
- **Message expiration:** The sender can set an expiration date to the message. After the expiration date has passed, the encryption key will be disposed of, making the information inaccessible.
- **Control over forward and reply functions:** The sender can take advantage of advanced controls over what can be done to an email message once it has been received. Forward, Reply, and Reply All can be disabled entirely, or enabled only if the sender's company authorizes it.

Figure 1. Cisco Envelope Encryption—Easy for Sender



The solution is available in two formats:

- **Desktop plug-in:** Provides desktop encryption capabilities that are integrated into our new plug-in platform.
- **Business Class Email Mobile app:** Provides mobile encryption capabilities for your smartphone or tablet. With this dedicated solution for highly secure envelope encryption, smartphone users can encrypt and decrypt messages from their handheld devices.



Summary

The Cisco Registered Envelope Service solution removes the complexity of encryption and key management, so users can send and receive highly secure messages as easily as unencrypted emails. Cisco offers unique smartphone support to deliver the same experience to mobile users.

For More Information

[Cisco Email Encryption](#)