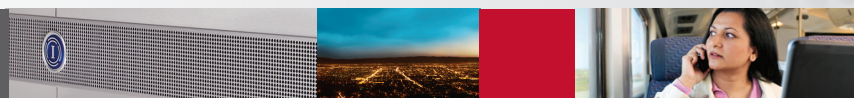


Cisco IronPort Encryption Appliance

CISCO IRONPORT EMAIL ENCRYPTION APPLIANCES PROVIDE A SECURE BUSINESS-CLASS EMAIL SOLUTION THAT IS EASY TO USE.



The Cisco® IronPort Encryption Appliance is the most comprehensive email encryption gateway available today. Whether you're looking to meet compliance requirements, improve customer and partner trust, or protect intellectual property, the Cisco IronPort® Encryption Appliance provides the flexibility and scalability to support all secure messaging requirements on a single platform—making it the ideal email solution for data loss prevention.

Regular email is not a secure communications medium. The Cisco IronPort Encryption Appliance is easy to deploy and use, protecting email while remaining transparent to senders and offering secure delivery methods for all recipients. A complete portfolio of secure delivery methods, integrated key management, and the power of business-class email provide comprehensive protection in even the most complex enterprise environments.

THE CISCO IRONPORT DIFFERENCE

Cisco IronPort email and web security products are high performance, easy-to-use and technically-innovative solutions, designed to secure organizations of all sizes. Purpose built for security and deployed at the gateway to protect the world's most important networks, these products enable a powerful perimeter defense.

Leveraging the Cisco Security Intelligence Operations center and global threat correlation makes the Cisco IronPort line of appliances smarter and faster. This advanced technology enables organizations to improve their security and transparently protect users from the latest Internet threats.

FEATURES

Secure Delivery Methods

The Cisco IronPort Encryption Appliance offers a wide range of options for secure message delivery, and can support any email encryption requirement. Delivery methods may be automatically selected, by policy, for each message recipient.

Cisco IronPort PXE Encryption is a highly secure, envelope-based “push” technology that combines universal reach, ease of use, and the lowest total cost of ownership (TCO) of any email encryption technology. Encrypted messages can be received by any email user—independent of email client or operating system—without installing any software or requiring the sender to pre-exchange encryption credentials with the recipients.

Cisco IronPort Encryption provides support for S/MIME and OpenPGP encryption, signing, and decryption, allowing organizations to use existing S/MIME encryption and public key infrastructure (PKI) certificates in a system that also incorporates other secure delivery models. Cisco IronPort Encryption supports both gateway-to-gateway and gateway-to-user models, utilizing standard PKI certificates (X.509 v3) and OpenPGP asymmetric keys. This feature also provides advanced certificate harvesting, proxy key generation, and other specialized key management capabilities, including the ability to integrate with popular certificate authorities and key directories.



FEATURES (CONTINUED)

Business-Class Email

In addition to securing email content, Cisco IronPort Encryption technologies enhance visibility and control over email.

Guaranteed read receipts enable users to know exactly when a message was viewed by each recipient.

Message expiration and locking prevents mistakenly sent messages from being opened and automatically secures old messages. Messages may be locked at any time, keeping the message from ever being opened again.

Large attachment handling securely delivers email attachments, which can clog groupware servers. Attachments above a configurable threshold are stripped from outbound email messages, stored securely on the Cisco IronPort Encryption Appliance, and replaced in the email message by a link, which allows the recipient to retrieve the attachment in a more user-friendly fashion than secure FTP or other common alternatives.

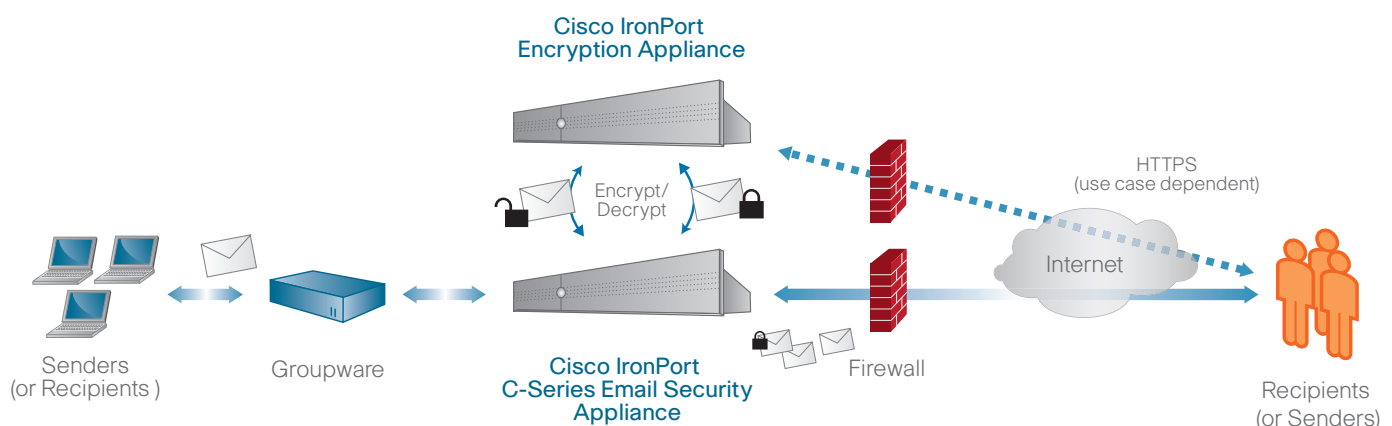
Integrated Key Server and Management

The Cisco IronPort Encryption Appliance manages recipient registration, authentication, and per-message encryption keys for both Cisco IronPort Encryption and Secure Mailbox features.

Authentication and key delivery typically occurs via password. Multiple-factor, chained, and single sign-on authentication methods are also supported for advanced applications. When a recipient has been successfully authenticated, the key for that message is released or access to the recipient's secure webmail account is provided.

Enrollment management is enabled for first-time recipients as they are guided through a single-screen enrollment to create an account on the key server. This account may be used to receive any future messages. Recipients may also be pre-enrolled, or an existing directory (Active Directory/LDAP) can be used to provide credentials. First-party (recipient), second-party (sender), or third-party authorization can be configured to prevent automated or man-in-the-middle attacks.

Message management is provided as part of advanced business-class email features, and includes message locking and expiration and guaranteed read-receipts. Both individual users and authorized administrators can access these features through a web interface that displays status and enables individual messages to be locked.



The Cisco IronPort Encryption Appliance acts as a companion to the Cisco IronPort C-Series email security appliance—encrypting and decrypting messages, based on policies defined on the Cisco IronPort C-Series.



BENEFITS

Helps Ensure Compliance

Sensitive messages are handled in compliance with regulatory legislation, such as HIPAA, SOX, GLBA, PIPEDA, and the European Union Data Directive.

Fosters Customer and Partner Trust

Encryption raises the levels of service to customers and partners, illustrating Cisco's commitment to keep business transactions and communications confidential.

Protects Intellectual Property

Safeguards sensitive business information and intellectual property contained in email outside the firewall—both in transit on the Internet and in storage on destination email servers.

Improves Customer Service

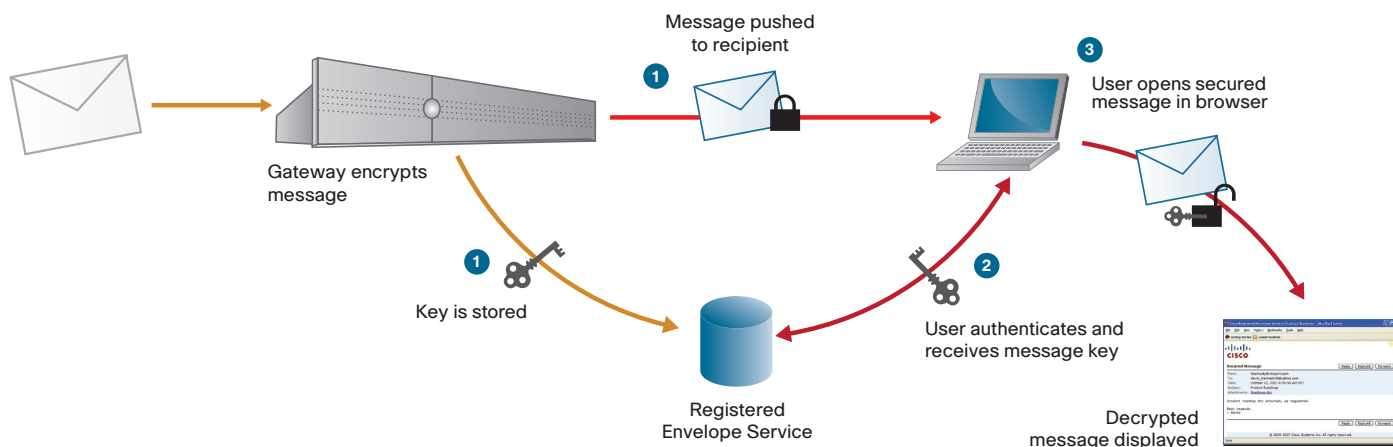
Organizations can communicate securely with customers using the channels that they prefer.

Provides Business-Class Email

The powerful features enable a new class of email, with unprecedented visibility and control.

The Cisco IronPort Encryption Appliance provides a turnkey, enterprise-class email encryption solution. Multiple secure delivery methods offer the flexibility to meet diverse business needs, while integrated management and authentication simplify deployment.

Cisco IronPort Encryption Business-Class Email Path



SPECIFICATIONS

Chassis /Processor

Form Factor	19" rack-mountable, 2U rack height
Dimensions	3.5" (h) x 19" (w) x 29" (d)
CPU	One Intel multi-core processor
Power Supply	Hot-plug redundant, 750W, 100/240V

Storage

RAID	RAID-1 configuration; dual-channel hardware with battery-backed cache
Drives	Two hot-swappable, 300GB serial attached SCSI drives
Capacity	110 GB discretionary capacity (queue reporting data, logs, configuration, archives)



SPECIFICATIONS (CONTINUED)

Database

Onboard	PostgreSQL database
External	Oracle, Microsoft SQL Server

Connectivity

Ethernet	Three Broadcom Gigabit BASE-T Ethernet ports
Serial	One RS-232 (DB-9) serial port

Interfaces/Configuration

Web Interface	Accessible via HTTPS
CLI	Accessible via SSH or Telnet; Installation wizard or command-based
File Transfer	SCP or FTP
Configuration Files	XML-based configuration files

Cryptographic Algorithms

Message Encryption	ARC4 (160-bit), AES (192-bit), 3DES
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DEPLOYMENT

The Cisco IronPort Encryption Appliance acts as a companion to the Cisco IronPort C-Series email security appliance, encrypting and decrypting messages, based on policies defined on the Cisco IronPort C-Series.

SUMMARY

As proven by an unmatched list of success stories in the Global 2000, the Cisco IronPort Encryption Appliance is the only secure messaging gateway flexible enough to meet the evolving secure communications requirements of businesses today. Universal reach, flexible delivery methods, and enterprise-class scalability and reliability enable expanded use of the Internet as an efficient, reliable, and low-cost channel for continued growth.

CONTACT US

How to Get Started with Cisco IronPort

Cisco IronPort sales representatives, channel partners, and support engineers are ready to help you evaluate how Cisco products can make your infrastructure secure, reliable, and easier to manage. If you believe that your organization could benefit from Cisco's industry-leading products, please call 650-989-6530 or visit us online at www.ironport.com/leader.



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