

Email Security Technology Overview

Cisco IronPort Email Encryption

Despite the rise in text messaging, instant messaging, social networking, and other forms of communication, email continues to be the predominant business collaboration tool. But the unsecure nature of email has resulted in the inadvertent and malicious exposure of sensitive information.

Technologies to encrypt email, such as S/MIME and Open PGP, have been available for several years, but they have failed to achieve widespread adoption. The limited use of these technologies is primarily due to their deployment complexity and the burden they place on the sender and the recipient to open and manage encrypted messages.

Cisco® IronPort Email Encryption overcomes the problems of earlier encryption technologies by providing a solution that meets compliance requirements for email encryption, while delivering powerful new email control features—all in an easy-to-use, broad-reaching, and affordable offering.

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 (SIO) center and global threat correlation makes the Cisco IronPort line of products smarter and faster. This advanced technology enables organizations to improve their security and transparently protect users from the latest Internet threats.

FEATURES

Integrated Functionality

Along with RSA Email DLP, Cisco IronPort Anti-Spam, and Cisco IronPort Virus Outbreak Filters, Cisco IronPort Email Encryption is integrated into the high-performance line of Cisco IronPort email security appliances. Converging email functions into a single appliance means a simpler email infrastructure and lower capital and operational costs.



FEATURES (CONTINUED)

Flexible Sender Encryption

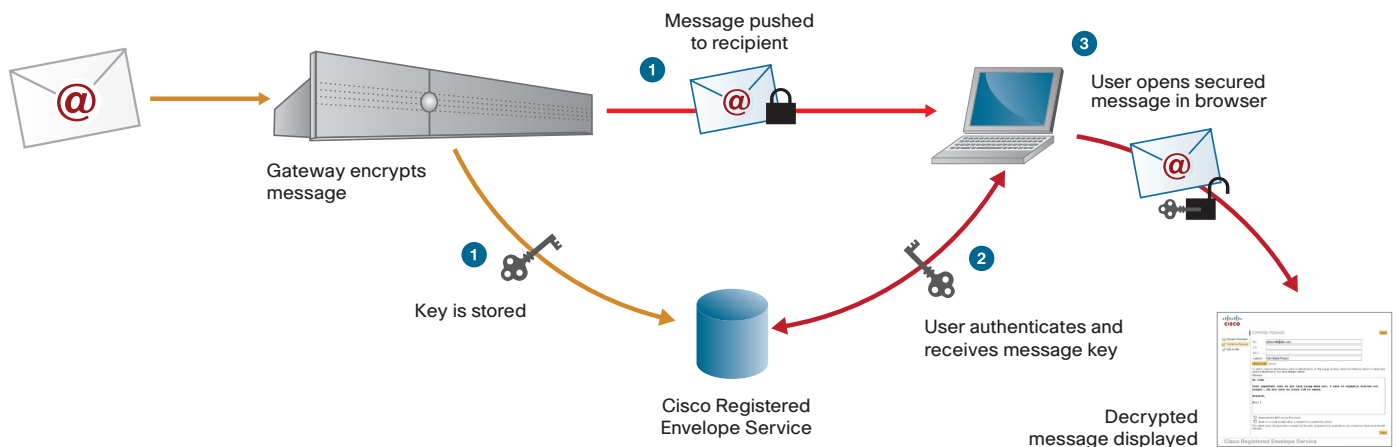
The sender can initiate encryption through a wide variety of means, including installing an email client plug-in that allows them to encrypt a message with the click of a button, marking the message as urgent, or using a code word (such as “encrypt”) in the subject line. Emails can also be encrypted automatically through administrator-configured policies.

Support for All Email Platforms

Messages encrypted using Cisco IronPort Email Encryption can be opened by any AOL, Yahoo!, Gmail, or Hotmail user, as well as by traditional enterprise email clients such as Outlook, Lotus Notes, and Groupwise.

Flexible Key Management

Cisco takes the burden out of encryption key management through a hosted key management service. The Cisco Registered Envelope Service provides secure and transparent management of encryption key creation, distribution, and retention. Operating from multiple Cisco data centers, this service has high availability and 10-year key retention. If an organization cannot permit a hosted key service, Cisco provides the flexibility of on-premises key management with the Cisco IronPort Encryption Appliance.



BENEFITS

Easy to Set Up and Administer

With Cisco IronPort Email Encryption, email administrators can implement message-level encryption in two easy steps and be up and running in minutes. Cisco transparently manages key creation, distribution, and retention, as well as recipient user management.



BENEFITS (CONTINUED)

Total Email Control

Unlike other email encryption solutions, Cisco IronPort Email Encryption allows the sender to continue to remain in full control of their content—even after it's been sent. With Cisco IronPort Email Encryption, senders don't have to fear mistyped recipient addresses, mistakes in content, or time-sensitive emails, because they always have the option to lock the message.

Regulatory Compliance

Cisco IronPort Email Encryption satisfies the encryption requirements for regulatory requirements such as PCI, HIPAA, SOX, GLBA—as well as state privacy regulations and European directives—without being a burden on the senders, recipients, or email administrators. Ease of use combined with powerful features means that now IT can offer encryption as a service, not a mandate.

SUMMARY

Cisco IronPort Email Encryption technology revolutionizes email encryption—satisfying compliance requirements while providing opportunity to extend into areas that can add tangible business value. Cisco provides the only email encryption technology that combines universal accessibility (send and receive on any email platform) with ease-of-use (no client software or PKI), and is proven in mission-critical deployments of up to 30 million recipients.

CONTACT US

How to Get Started

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



Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV
Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco website at www.cisco.com/go/offices.

CCDE, CCENT, CCSI, Cisco Eos, Cisco HealthPresence, Cisco IronPort, the Cisco logo, Cisco Lumin, Cisco Nexus, Cisco Nurse Connect, Cisco Pulse, Cisco StackPower, Cisco StadiumVision, Cisco TelePresence, Cisco Unified Computing System, Cisco WebEx, DCE, Flip Channels, Flip for Good, Flip Mino, Flipshare (Design), Flip Ultra, Flip Video, Flip Video (Design), Instant Broadband, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn, Cisco Capital, Cisco Capital (Design), Cisco:Financed (Stylized), Cisco Store, and Flip Gift Card are service marks; and Access Registrar, Aironet, AllTouch, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, CCVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, Continuum, EtherFast, EtherSwitch, Event Center, Explorer, Fast Step, Follow Me Browsing, FormShare, GainMaker, GigaDrive, HomeLink, iLYNX, Internet Quotient, IOS, iPhone, iQuick Study, IronPort, the IronPort logo, Laser Link, LightStream, Linksys, MediaTone, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, Network Registrar, PCNow, PIX, PowerKEY, PowerPanels, PowerTV, PowerTV (Design), PowerVu, Prisma, ProConnect, ROSA, ScriptShare, SenderBase, SMARTnet, Spectrum Expert, StackWise, The Fastest Way to Increase Your Internet Quotient, TransPath, WebEx, and the WebEx logo are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company.
(0908R) P/N 435-0260-2 12/09