

Securing Your Digital Life

Entrust Solution – Secure Messaging

Business Challenges

Organizations are facing new challenges as they rely more heavily on e-mail for communications, and as they interact with mobile employees, partners and customers. E-mail transactions impact all areas of digital life, both at work and at home. To help you with these challenges, Entrust offers leading edge solutions to secure your digital life, and that of your stakeholders. With respect to e-mail, organizations need to consider network and productivity protection from spam and viruses, compliance with government regulations and mitigation of risks associated with the disclosure of sensitive information. Non-compliance with industry regulations or theft of sensitive information can also have serious financial penalties and brand impacts. According to the 2003 CSI/FBI Computer Crime and Security Survey,¹ theft of proprietary information can result in an average cost of \$2.7 million.

Traditional methods of auditing for violations are expensive and ineffective, since the damage has already been done. To help mitigate the risk of such losses, you need to secure your e-mail infrastructure across various environments and that means the security should be easy for users to adopt. Implementing real-time compliance to capture sensitive information before it leaves the e-mail boundary can help you improve the productivity of your organization, while reducing risk and the possibility of being subject to costly penalties.

The Entrust[®] Solution

The Entrust[®] Secure Messaging Solution provides an integrated suite of software components with capabilities including automatic content scanning of inbound and outbound e-mail messages, centralized policy enforcement and e-mail encryption. Highly scalable and flexible, the solution offers components that can be installed standalone or as part of an integrated suite, making it easy for you to add secure messaging capabilities to your existing e-mail environment. By enabling automatic enforcement of policies such as the rejection of spam, archive of regulated information, rejection of e-mails with profane language or automatic encryption of e-mails containing intellectual property, the solution does not rely on users to enforce policy.

Like most organizations, you are using e-mail for all kinds of information exchange—but this may be exposing you to risk of breach and keeping you from complying with legislation aimed at protecting the privacy of information and enforcing internal controls within your organization.

The Entrust Secure Messaging Solution secures a broad range of e-mail environments by helping to protect the confidentiality of message content and enforce corporate policy for e-mail communications—thereby mitigating the risks associated with communicating sensitive information to employees, partners, customers and constituents.

¹ Source: 2004 CSI/FBI Computer Crime and Security Survey

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Solution Benefits

With the Entrust Secure Messaging Solution in place, you can help to optimize the performance of your e-mail systems, avoid the penalties associated with non-compliance, and lower the risks such as brand damage, associated with communicating sensitive information. The solution offers automatic and transparent scanning of content and application of corporate policy to protect against inappropriate disclosure of sensitive information. It can also transparently secure 'end-to-end' desktop e-mail to make it easier for your users to adopt secure communications, and it can provide flexible message delivery options for communicating securely with diverse recipients. This helps provide the ability to 'trust' the information contained within an e-mail—a crucial element for secure transactions.

Drive Revenue and Reduce Costs by Protecting Your Network and Your Productivity

Now reaching higher than 50% in some organizations², the rapid rise in spam has had a significant impact on network efficiency and ultimately on employee productivity. The Entrust Secure Messaging Solution can help you keep your network free from spam and viruses, contributing to a reduction in e-mail infrastructure costs in addition to enhancing employee productivity. Furthermore, you can help improve employee productivity by educating your users on the appropriate use of e-mail and proactively monitoring their behavior. Entrust can help you deploy a secure e-mail system that is easy to administer and transparent to end-users.

Avoid Costly Regulatory Penalties with E-Mail Compliance

Organizations must strike a balance between the benefits of low-cost e-mail communications and the need for regulatory and corporate compliance. The Entrust Secure Messaging Solution can encrypt messages leaving an organization to help protect the confidentiality of information, a requirement under such regulations as HIPAA and Gramm-Leach Bliley (GLB). It can also apply digital signatures that help bind a sender to a message and provide integrity of content and an audit trail of transactions, requirements for internal control legislations such as Sarbanes-Oxley. Another issue that may be of concern to you is how to limit the use of profanity or harassing language and the distribution of intellectual property or other sensitive information. You cannot fully rely on users to enforce corporate policies that will protect your organization from costly penalties, so the Entrust



content scanning technology helps to put a mechanism in place to centrally define and enforce such policies while educating users on acceptable e-mail usage. The solution also offers the benefit of faster, cheaper forensics on archive and e-mail surveillance—meaning you save only what you need to save and through categorization of archived content, you can more quickly retrieve information pertaining to specific laws.

Protect Your Brand and Avoid Costs By Mitigating Risk of Information Breach

If you are seeking risk mitigation, you should consider how to protect information at all times, or "end-to-end." For the best risk mitigation, e-mail messages should be protected both in-transit and during storage on employee workstations or servers. And, given that e-mail is often used to make and record important decisions, you need to be able to assign accountability for specific e-mail communications. The security functions provided by the Entrust Secure Messaging Solution can help your organization mitigate risk by proactively identifying risky content before there is a problem and providing the ability to monitor specific user behavior. This helps to protect sensitive information from loss, theft, unauthorized access, disclosure or modification—thereby reducing unexpected legal costs or potential damages that may result from loss of brand or goodwill—and it does this in a way that is easy to deploy, use and administer.

Solution Design

The Entrust Secure Messaging Solution, designed for ease of deployment and use, provides both boundary-based and end-to-end desktop security built on open standards, for broad platforms. It offers flexible delivery options to provide comprehensive e-mail security including advanced content scanning, anti-spam and anti-virus capability for

² Source: "Anti-Spam Market 2004-2008" THE RADICATI GROUP, INC., April 2004.

communications with internal and external users—regardless of their particular e-mail application. Through support for mobile devices such as the BlackBerry™ wireless handheld, Entrust solutions can enhance productivity by adding security to e-mail transactions taking place throughout daily work life.

Boundary-Based Security for Automatic Policy Enforcement

The solution provides simpler boundary-based secure e-mail for customers who are not concerned about security inside their own networks, but need to protect information as it travels over the Internet for compliance or risk mitigation purposes. With this type of deployment, e-mail is not encrypted at the desktop, but is flagged for encryption either manually by the end user, or automatically by the Entrust Entelligence Compliance Server. The solution offers better capabilities for compliance such as solid knowledge bases for leading industry regulations and the ability for customers to customize knowledge bases to suit their corporate policy needs.

Secure Communication with Diverse External Recipients via Flexible Delivery

The Entrust Secure Messaging Solution is designed using a central server that automatically selects the secure message delivery method for recipients so that senders do not have to be concerned with determining the type of e-mail application recipients are using, such as S/MIME e-mail applications or common Web-based mail services like Hotmail and Yahoo.

The solution offers secure authentication to a Web mail portal that can enable your users to communicate securely with consumers and constituents without requiring the deployment of any client software.

Ease of Management Centralized Messaging Server

A key component of the Entrust Secure Messaging Solution is the Entrust Entelligence™ Messaging Server, which offers a centralized server for offloading much of the processing typically done by desktop clients, improving performance. Entrust Entelligence Messaging Server automates the management of digital certificates containing users' security credentials that are used for encryption. The solution transparently integrates with leading e-mail systems, which means that a user's behavior is the same whether they are securing an e-mail for internal or external recipients. Microsoft® Exchange is supported through an S/MIME-based solution that uses a client plug-in for Microsoft's Exchange/Outlook® messaging application. Lotus Notes supports client-free integration by seamlessly integrating security options for encryption and digital signature into the existing Lotus Notes e-mail template.

The Solution Portfolio

The Entrust Secure Messaging Solution is designed to easily secure complex environments involving multiple messaging infrastructures and applications. And—due to the extensible nature of Entrust products, your investment in a security infrastructure for e-mail can be extended to address security

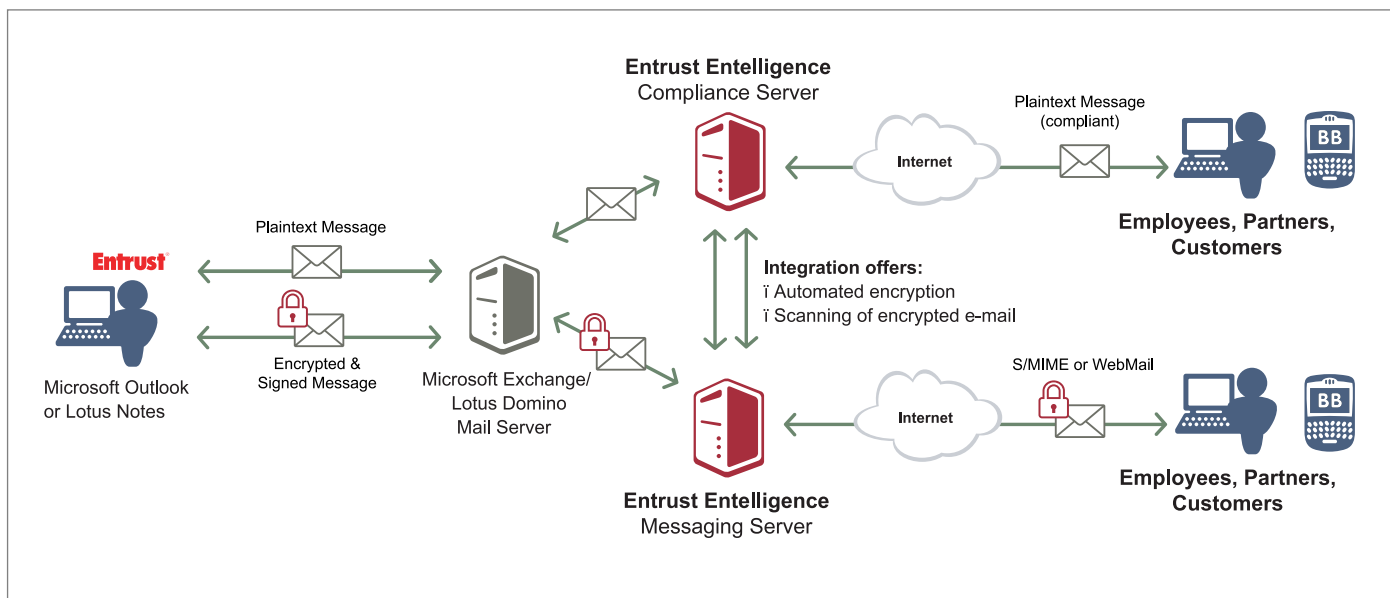


Figure 1: Entrust Secure Messaging Solution Architecture: Promotes Flexible Delivery

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concerns for other applications such as VPN, electronic forms and data encryption. The Entrust portfolio includes Secure Messaging, Secure Identity Management and Secure Data solutions, all with the ability to seamlessly interoperate and enhance the protection of your organization's digital identities and information. The Entrust Secure Messaging Solution is made up of a unique combination of leading Entrust products, allowing for phased deployments in any customer environment.

Entrust® Entelligence™ Compliance Server

Automatically analyzes incoming and outgoing e-mails to stop spam and viruses from entering the network. Ensures that e-mails are compliant with corporate policies pertaining to language use, or the distribution of sensitive content such as intellectual property.

Entrust® Entelligence™ Messaging Server

Secures communications with the extended enterprise via a central e-mail gateway. Handles much of the complexity of key management and secure delivery for external mail recipients. Seamlessly integrates with applications including Microsoft Exchange/Outlook and Lotus Notes.

Entrust® Entelligence™ Messaging Server for Lotus Notes®

Provides secure standards-based external e-mail in Lotus Notes environments without deploying additional clients. Offered as an additional component for Entrust Entelligence Messaging Server.

Entrust® Entelligence™ WebMail Center

Adds alternative secure Web-based delivery method for external recipients, who only need a web browser to access, read and reply to secure e-mails. Offered as an optional extension to Entrust Entelligence Messaging Server.

Entrust® Entelligence™ Security Provider for Outlook

Acts as a small plug-in to the Microsoft Outlook e-mail client. Adds Entrust Entelligence Messaging Server capabilities to the native security found within Microsoft Outlook.

Entrust® Entelligence™ E-mail Plug-in

Enables users to encrypt and digitally sign messages via an easy-to-use plug-in for Microsoft Outlook that integrates with Entrust Entelligence Desktop Manager.

About Entrust

Entrust, Inc. [NASDAQ: ENTU] is a world-leader in securing digital identities and information. Over 1,400 enterprises and government agencies in more than 50 countries rely on Entrust solutions to help secure the digital lives of their citizens, customers, employees and partners. Our proven software and services help customers achieve regulatory and corporate compliance, while turning security challenges such as identity theft and e-mail security into business opportunities. For more information on how Entrust can secure your digital life, please call us at 888-690-2424, or send an e-mail to entrust@entrust.com. Visit us on the Web at www.entrust.com.

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