

MAILSAFE

MAILSAFE

**SYSTEM REQUIREMENTS**

MS Windows 9x, NT (SP6+), 2000 (SP1+) & XP  
MS Internet Explorer (5.5+)  
MS Exchange 5.5 & 2000  
Microsoft Management Console v1.2+



E-MAIL ENCRYPTION

DIGITALLY SIGNED

NON REPUDIATION

VIRUS/MALICIOUS CONTENT CHECKED

MAILSAFE

MAILSAFE

**E-mail has become the ubiquitous business tool and consequently one of the most important to protect from security breaches and vulnerabilities such as liability issues and privacy.**

Whilst the native Microsoft® Outlook® & Exchange® offers secure e-mail, it does not represent a comprehensive e-mail security solution. The native product exhibits several known security vulnerabilities and does not offer features like key updates, key recovery, Certificate Revocation List (CRL) checking, centralised management, automated anti-virus/malicious code checking, secure time and date stamped receipts.

The Reflex MailSafe Enterprise suite is designed to be a simple to deploy and use secure e-mail system for Microsoft® Outlook® & Exchange®. Developed to support international standards (S/MIME V3+ & X.509 Digital Certificates), it consists of a number of components.

#### THE CLIENT PLUG-IN

Reflex MailSafe Client is so closely integrated into Microsoft® Outlook® & Exchange® that users are not required to learn a new interface that differs from the Microsoft® standard that they are used to. The process of sending e-mail remains

unchanged - except when selecting the "Send" button the user will be asked to "Sign" and/or encrypt the message by entering their password or passphrase. Reflex MailSafe client does not limit the use of Microsoft® Outlook® features, such as the ability to work in Rich Text and HTML nor does it prevent the use of attachments. In fact if you are encrypting the e-mail then the attachment is also encrypted. All the technical Public Key Infrastructure (PKI) tasks of checking the digital certificates for validity and matching these certificates to personal and private keys are carried out in the background automatically without the need to concern the user unless there is a security problem.

#### THE CONFIGURATION SERVER

The system administrator has access to the Reflex MailSafe Configuration Server which provides a set of tools used to configure and enforce the policy settings for Reflex MailSafe Clients deployed throughout the organisation, helping to reduce the total cost of ownership. Configuration settings are distributed to the client machines in

digitally signed form thus maintaining the security of the suite. Updates of the configuration settings are performed in accordance with a specified schedule, thereby enforcing the integrity of the configuration data.

#### THE CERTIFICATE AUTHORITY (CA)

Further system administrator functions are provided by the Reflex MailSafe CA. This module allows the issuing, renewal, and revocation of digital certificates used within an organisation. All valid certificates issued by the Reflex MailSafe CA are automatically considered as trustworthy within that organisation. Reflex MailSafe CA has been designed either to work as part of an internally deployed 'PKI' or to form part of a trusted chain from an external Root CA. Reflex MailSafe CA provides key management, authentication and non-repudiation services. Reflex MailSafe CA is designed to be very flexible, it is possible for it to operate as a "Root" CA, or "Sub" CA, thus allowing the ability to build a distributed

PKI system that suits any level of organisational complexity. By cross certifying Reflex MailSafe's CA certificate with that of another Root CA trust can be extended to another PKI. The Reflex MailSafe CA has a modular structure that is easily extendable so as to provide support for certificate policies that may be required for use by an organisation. Certificate issuing can be automated against these policies or set to be controlled manually by the administrator. Importantly Reflex MailSafe CA supports "root key roll-over" enabling the change of the root key without the need to re-issue certificates to all users.

Reflex MailSafe CA and its installed plug-in modules are administered through a Microsoft Management Console® (MMC). Certificate Revocation Lists (CRLs) can be published to and checked in a number of differing formats; LDAP, FTP, file and Microsoft Active Directories®.

#### THE E-MAIL CONTENT CHECKER

Integrated into the Reflex MailSafe Client is Reflex ScreenMail anti-virus and malicious code detection module. Reflex ScreenMail automatically detects and configures previously installed anti-virus software and then ensures that both out-bound and in-bound

signed/encrypted e-mail is checked for viruses before the user can either send the e-mail or open the received e-mail. Additionally Reflex ScreenMail probes HTML formatted e-mail for active content. Any detected active content is removed before the user can view the e-mail. This two level malicious code check provides the highest level of security from this most common form of security breach.

#### SUMMARY

If you require a simple, cost effective, secure solution that is truly scalable and that is independently certified you must consider Reflex MailSafe. During the 2001/2 UK Government sponsored PKI interoperability trials Reflex MailSafe Enterprise Suite was the highest scoring product both years, out performing all of its rivals, see <http://www.cesg.gov.uk/technology/pki/cloud-cover/Final%20Report%20v1-2.pdf>. For more information and technical specifications please visit our product pages at [www.reflex-magnetics.com/products/mailesafe](http://www.reflex-magnetics.com/products/mailesafe).

For the latest information regarding other supported e-mail clients please either visit our web site at [www.reflex-magnetics.com/products/mailesafe](http://www.reflex-magnetics.com/products/mailesafe) or contact the Reflex sales department at [sales@reflex-magnetics.com](mailto:sales@reflex-magnetics.com).