

SafeGuard® MailGateway

Encryption appliance for central e-mail security



The intelligent software appliance for central e-mail security

The most frequent use of the Internet is to send e-mails. E-mails have established themselves as a standard part of the day's commercial traffic but, up to now it was not possible to represent all company-specific work processes involved in it electronically. The greatest challenge is to be able to securely exchange e-mail with confidential contents.

While it is possible to encrypt and sign confidential e-mails using e-mail clients, this requires staff to know how to use the security solution. As this cannot be taken for granted, the consistent implementation of a company's security policy is often uncompleted.

Utimaco's **SafeGuard MailGateway** integrates the cryptographic processes involved in encryption/decryption, and also in electronic signatures and verification, at one central point in the corporate network. The security solution is transparent for the sender and automatically implements the company's internal security guidelines for e-mail communication. The senders and recipients can communicate via e-mail in the usual way without having to worry about the confidentiality of the contents.

SafeGuard MailGateway guarantees:

- that existing e-mail-based workflow processes are supplemented by its confidentiality, authenticity and integrity in a simple and secure way.
- that e-mail encryption and digital signatures are implemented from a central location, so enabling the enforcement of internal security guidelines.
- the program can automatically decrypt incoming and outgoing e-mails for recipients in the company's own network or encrypt them for external recipients.

To encrypt or decrypt e-mails, and make digital signatures, **SafeGuard MailGateway** uses the established S/MIME and OpenPGP Internet standards. Alternatively, SafeGuard PrivateCrypto, SafeGuard WebMail and SafeGuard PDFMail ensure that connections between external communications partners are secured, without a security infrastructure.

SafeGuard MailGateway is scalable from small installations through redundant installations to organization-wide use in clusters.

SafeGuard MailGateway – Intelligent e-mail security.

About Utimaco – The Data Security Company.

Utimaco is the leading provider for data security solutions. The Data Security Company enables mid-sized to large organizations to safeguard their data assets against attacks and to comply with privacy laws by protecting their confidentiality and integrity. Utimaco's complete range of solutions provides full 360° protection unlike free, end-point or built into encryption solutions which only cover specific security needs. Its advanced SafeGuard Solutions help to manage and secure data in what ever conditions: during storage (data at rest), during transmission (data in motion) and during processing (data in use). Utimaco offers its customers comprehensive on site support via a worldwide network of partners and subsidiaries in Europe, the USA and Asia. For more information, visit www.utumaco.com

Benefits

Enhanced security

- Central implementation of company-wide security policy for e-mail encryption and signature
- Flexible and granular definition of encryption and signature rules
- Supports S/MIME, OpenPGP, SafeGuard PrivateCrypto, SafeGuard WebMail and SafeGuard PDFMail
- Integrated certification authority (CA) for automatic key and certificate generation
- Enables virus scanning for encrypted e-mails
- Ideal extension to ILP and CMF systems

Easy to deploy

- Quickly installed and brought into operation via software appliance concept
- Seamless integration in existing PKI and e-mail infrastructures
- Integrated key server for S/MIME and OpenPGP
- Integration of Company Director Services like Microsoft ActiveDirectory®
- Alternative methods for e-mail encryption without the need of a certificate infrastructure
- Independent of mail servers such Lotus Notes, Microsoft Exchange, etc.
- Scalable from small installations to company-wide usage in clusters

Easy to use

- Transparent for the end-user
- Interoperable with the standards for e-mail security leading to high user acceptance
- Central set of rules and key management for securing e-mail traffic
- Self-explanatory and convenient administration interface
- Easy scalability, migration and maintenance

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Key Features/ Functionality

Security

- Protects valuable enterprise data and personal data in e-mails
- Comprehensive scalable, central security solution for use in SMTP-based e-mail infrastructures
- Flexible and detailed definition of set of rules
- Supports S/MIME, OpenPGP, SafeGuard PrivateCrypto, SafeGuard WebMail and SafeGuard PDFMail
- SafeGuard PrivateCrypto and SafeGuard WebMail are the solutions for communication partners without S/MIME or OpenPGP support
- Automatic e-mail encryption and decryption and signature
- Automatic key and certificate generation for S/MIME and OpenPGP
- Integrated key server for S/MIME and OpenPGP
- Integrated system security
- Support for directory services and key servers

System Administration

- Convenient central installation, configuration and administration of operating systems and applications
- Role based administration
- Reporting and monitoring
- High performance and system security
- Convenient backup and restore
- Quick and easy maintenance
- Detailed online help for administration
- Flexible handling of certificate checks and hierarchies of trust

Easy to use

- Transparent for end-users
- Definable control commands for end-users and applications
- Definable status messages for end-users
- High user acceptance levels – no additional training necessary

System requirements

Hardware

- Intel CPU
- Min 512 MB RAM
- IDE/SCSI/SATA hard disks
- IDE/SCSI/USB CD-ROM drive
- Ethernet network adapter

System Features

Operating system

- Secure hardened system environment including Linux-based operating system
- Support of VMware®

Installation

- Complete installation from CD-ROM

Management

- Webmanagement including detailed online help

Complementary SafeGuard® Products

- SafeGuard PrivateCrypto
- SafeGuard CryptoServer (hardware security module)

Interfaces & Formats

- SMTP(S), TLS, HTTP(S), SSH, SCP, FTP, NTP, SNMP
- LDAP(S), OCSP, HKP
- S/MIME, OpenPGP, SafeGuard PrivateCrypto, SafeGuard WebMail
- X.509, PEM, DER, PKCS#7, PKCS#12, CRL
- OpenPGP keys, PGP/MIME, PGP/Inline

Cryptographic Standards

- Asymmetric encryption: RSA, DSA, El Gamal
- Symmetric encryption: RC2, RC4, DES, 3DES, Blowfish, Twofish, Cast5, AES, AES192, AES256
- Hash: MD2, MD5, MDC2, SHA, SHA-1, RipeMD160

Language Versions

- English, German

Contact

EMEA

Utimaco Safeware AG
Germanusstraße 4
DE-52080 Aachen
Germany
Phone +49 (241) 16 96-20 0
info@utimaco.com

NORTH & SOUTH AMERICA

Utimaco Safeware Inc.
10 Lincoln Road
Foxboro, MA 02035
USA
Phone +1 (508) 543-10 08
sales.us@utimaco.com

ASIA PACIFIC

Utimaco Safeware Asia Ltd.
Unit 602, Stanhope House
734 King's Road, Quarry Bay
Hong Kong
Phone +8 52 25 20 26 08
info@utimaco-asia.com

JAPAN

Utimaco Safeware K.K.
Nisso 16 Building, 3F
3-8-8 Shin Yokohama, Kohoku-ku
Yokohama 222-0033
Japan
Phone +81 (0) 45 470-1430
info.jp@utimaco.jp

www.utimaco.com

For more information visit:

www.utimaco.com/sgmg

Utimaco Safeware Partner: