

Email Encryption and Signature

with X.509 Certificates



CrypToken®

Adding Security to Email Communication



CrypToken

Compact and extremely durable metal case (1:1 Original Size)

Emails are like post cards. Everybody can read through them and change something on the way between sender and receiver. Encryption and digital signing creates a secure envelope around your emails. With traditional email encryption solutions, the certificate is stored on your harddisk - a potential target for eavesdroppers and intruders.

The CrypToken is a secure storage device for all your certificates and passwords. Your most confidential information is never exposed to the file system.

Email Encryption

- Convenient email encryption and digital signing
- Easy implementation into Outlook, Outlook Express, Thunderbird, PGP Mail, David, ...

- Authentication with X.509 certificates (S/MIME) or PGP keys
- Safe against phishing and password theft

CrypToken

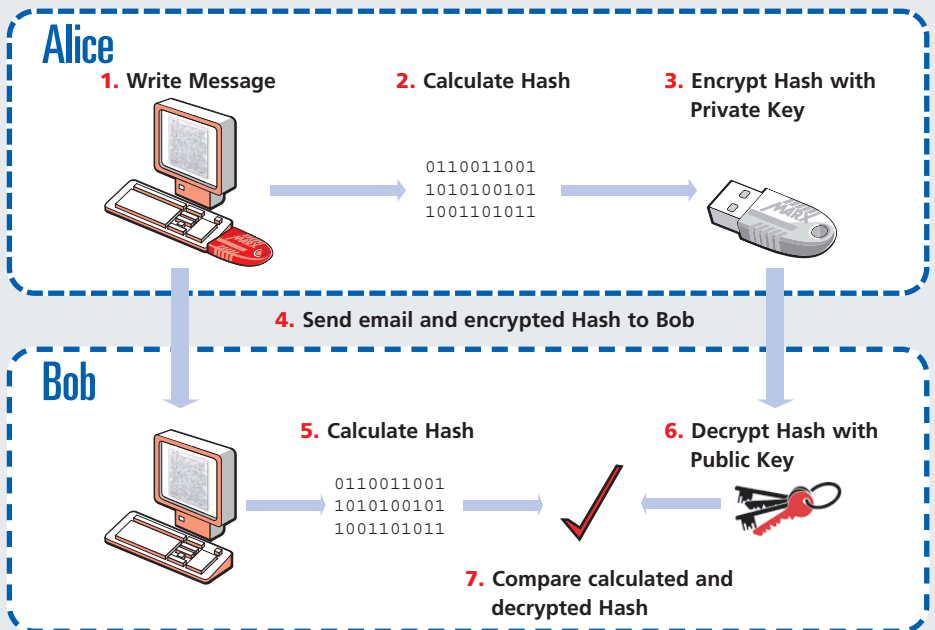
- CrypToken M2048 with MULTOS Smart Card OS (ITSEC E6 high)
- CrypToken 2000
- Mobile and secure certificate storage
- Designer metal case
- Cryptographic interfaces: PKCS#11 and MS-CAPI
- Windows (Vista, XP, 2000, CE), Linux, Mac OS X, SUN Solaris

Encrypting and Signing with Public Key Methods

Asymmetric encryption enables tap-proofed emails and ensures senders identity and messages integrity. It is based on a pair of cryptographic keys, designated as public key and private key, which are related mathematically. The private key is generally kept secret, while the public key may be widely distributed. In a sense, one key "locks" the data; while the other is required to unlock it.

All major email applications, like Microsoft Outlook or Mozilla Thunderbird offer easy to use functions to encrypt and/or sign emails.

Signing emails with the CryptToken.



For additional information visit www.cryptoken.com/email

Securing the Digital World™

www.cryptoken.com

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