

## Easy encryption of email attachments and other files

As anyone responsible for data security already knows, most company data is either not stored securely or it is emailed as plain text. Campaigns to secure internal and external communications by using public key infrastructures (PKIs) have so far failed to provide a comprehensive solution.

SafeGuard PrivateCrypto can close these security loopholes. It provides encryption that is both easy to integrate and easy to use. It can protect valuable, confidential data on PDAs, notebooks and PCs, and ensure that data is sent securely when email.

This product integrates seamlessly with Microsoft Windows Explorer and standard email applications such as Lotus Notes and Microsoft Outlook—no need for expensive upgrades to existing IT infrastructures. SafeGuard PrivateCrypto's easy to understand and implement functionality means users do not require any training. Users can encrypt and save the files they want simply by right-clicking their mouse to activate SafeGuard PrivateCrypto in the Context menu.

SafeGuard PrivateCrypto offers maximum flexibility in today's complex IT environments. It can be implemented on all standard mobile device platforms, saving files securely on PDAs, notebooks and desktop PCs. In addition, users can easily exchange encrypted data by email even if recipients do not have SafeGuard PrivateCrypto installed on their devices. Because the files are self-extracting, recipients do not need special software. All the communication partners require for secure email traffic is the password that they use to encrypt or decrypt the file.

There are two other exclusive functions that make it even more user-friendly and ensure that data remains confidential: An easy-to-use password-logging function provides a handy way to solve the problem of forgotten passwords, and the "secure wipe" function guarantees that original files are removed completely from the storage medium.

## Key benefits

### Enhanced security

- » Effective protection for your confidential company data and personal information
- » Secure data exchange with any partner, even without a shared IT infrastructure
- » Secure wipe of files
- » Protects files against unauthorized viewing
- » Input delay if incorrect passwords are entered
- » Uses tried and tested cryptography and data compression algorithms

### Easy to deploy

- » Quick and easy installation and distribution with Windows Installer
- » Integrates with most common email applications
- » Integrates with Microsoft Windows Explorer
- » Offers integration into customer-specific applications via its scripting interface
- » No need for additional infrastructure

### Easy to use

- » No training required for users or administrators
- » Quick and cost-effective implementation
- » Simple and secure encryption for all file formats
- » Secure, easy-to-use logging for all SafeGuard PrivateCrypto passwords
- » Automated password handling with SafeGuard Enterprise

## Key Features/Functionality

### Security

- Implements the state-of-the-art AES encryption algorithm
- Includes a “secure wipe” function
- Provides optional encryption of entire directory trees
- Offers secure password logging
- Protects against “brute force” attacks by increasing response times each time the user enters the wrong password
- Keys are generated from the password entered by the user
- Provides an option to generate self-extracting files
- Compresses data
- Allows encrypted data exchange within company user groups without additional passwords in conjunction with SafeGuard Enterprise

### System administration

- Cost-effective, quickly implemented solution that does not require any additional infrastructure or training
- Windows Installer (MSI)-based installation

### Easy to use

- Users simply right-click the mouse to activate encryption in the Windows Explorer Context menu
- Comprehensive protection for all kinds of confidential files on PDAs, smartphones, notebooks, netbooks and PCs
- Easy storage of all passwords in one secure directory
- Password strength indicator avoids accidental creation of weak passwords

### Interoperability

- Adds a function for sending encrypted attachments in email applications such as Microsoft Outlook and Outlook Express, Windows Mail and Lotus Notes Pocket Explorer (Windows Mobile)

### Certifications

- » Certified for Windows Vista
- » Designed for Windows Mobile
- » Symbian Signed

### Standards/Protocols

- » AES (Rijndael) 128-bit key length, 256-bit key length (PC Windows version only)
- » Hash: SHA-1, SHA-2
- » PKCS #5

### Interfaces

- » Command line and OLE interface for integration in batch processes and Visual Basic applications (PC Windows platform)
- » API interface for integration in customer-specific PDA applications (Windows Mobile platform)

## System requirements

### Hardware

- » PC with Intel Pentium or compatible processor
- » Windows Mobile or Symbian OS device

### Operating system

- » Microsoft Windows 7 - 32/64 bit
- » Microsoft Windows Vista - 32/64 bit
- » Microsoft Windows XP - 32/64 bit
- » Microsoft Windows 2000
- » Windows Mobile 6, 6.1 Classic and Professional Edition
- » Symbian OS 9.x S60/3rd
- » Three different SafeGuard PrivateCrypto modules can be purchased, which exchange encrypted UTI archives—self-extracting files are only possible within the same platform:
  - » SafeGuard PrivateCrypto for Windows 32/64 bit
  - » SafeGuard PrivateCrypto for Symbian (Symbian 9 Series 60 3rd Edition—e.g., Nokia Eseries and Nseries)
  - » SafeGuard PrivateCrypto for Windows Mobile (only available with SafeGuard PDA)

### Language Versions

- » English, German, French, Japanese
- » Additionally in the Symbian version: Italian, Spanish, Portuguese, Greek, Polish, Turkish, US English, American Spanish, Canadian French, Brazilian Portuguese

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