

SafeGuard® PrivateCrypto

Easy encryption of e-mail attachments and other files



Effective security on mobile devices, PCs and for e-mails

As anyone responsible for data security already knows, most company data is either not stored securely or 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 to use. It can protect valuable, confidential data on PDAs, Notebooks and PCs and ensure that it is sent securely by e-mail.

SafeGuard PrivateCrypto integrates seamlessly in Microsoft Windows Explorer and standard e-mail applications such as Lotus Notes and Microsoft Outlook. No need for expensive upgrades to the existing IT infrastructure! **SafeGuard PrivateCrypto's** easily-understood functionality means users do not need any additional training. Users can encrypt and save the files they want simply by clicking their right-hand mouse button 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 e-mail without the recipient having **SafeGuard PrivateCrypto** installed on his device. Because the files are self-extracting the recipient does not need special software. All the communication partners require for the secure e-mail traffic is the password which they use to encrypt or decrypt the file.

SafeGuard PrivateCrypto has two other exclusive functions that make it even more user-friendly and ensure data remains confidential: an easy-to-use password logging 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.

SafeGuard PrivateCrypto – Security made simple.

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.utimaco.com

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 by using Windows Installer
- Integrated in most common E-Mail applications
- Integrated in 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

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Key Features/Functionality

Security

- Implements the state-of-the-art encryption algorithm AES
- "Secure wipe" function
- Optional encryption of entire directory trees
- 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
- Option to generate self-extracting files
- Data compression
- 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

- In the Windows Explorer context menu, users simply click the right-hand mouse button to activate encryption
- Comprehensive protection for all kinds of confidential files on PDAs, Smartphones, Notebooks, and PCs
- Easy storage of all passwords in one secure directory

System Requirements

Hardware

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

Operating system

- Microsoft Vista
- Microsoft Windows XP
- Microsoft Windows 2000
- Microsoft Windows NT Version 4.0
- Microsoft Windows 95, 98, Me
- Windows Mobile 2003 / Windows Mobile 2003 Phone Edition
- Windows Mobile 5.0 for Pocket PC / Pocket PC Phone Edition, Windows Mobile 6 in preparation
- 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 (Windows 98 - Windows Vista)
 - SafeGuard PrivateCrypto for Symbian (Symbian 9 Series 60 3rd Edition, e.g. Nokia E and N Serie)
 - SafeGuard PrivateCrypto for Windows Mobile (only available with SafeGuard PDA)

Certifications

- FIPS 140-2 (cryptographic library in evaluation)
- Designed for Windows Mobile
- Symbian Signed



Interoperability

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

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)

Standards/Protocols

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

Language Versions

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

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For more information, or to evaluate the program, or download it free for personal use, visit:

www.utimaco.com/privatecrypto

Utimaco Safeware Partner:

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