



## Unique protection of confidential data against unauthorized insider or outsider access

Most data protection measures are designed to protect against threats from outside the organization, while most in-house risks are usually overlooked or ignored. However, the potential damage caused by the misuse of confidential company data is exactly the same no matter where the threat originates. In almost every organization, valuable information such as business reports, HR documentation, customer data and research results is saved electronically without being protected. The current practice of saving data centrally on servers, multi-site workplace networking, and the use of mobile data media greatly increases security risks. As more organizations outsource their IT departments in an effort to reduce costs, they are faced with increasing data confidentiality concerns as well.

What is needed is a security solution that only allows authorized user groups access to sensitive data across an organization. With security policies in place, even in-house server administrators or personnel from outsourcing companies can be restricted from accessing confidential data.

**SafeGuard LAN Crypt** uses fully-automated file encryption to provide effective protection for confidential files. **SafeGuard LAN Crypt** does not force users to change the way they work: The encryption process is transparent and runs invisibly in the background. This means that each user is assigned a unique "key group" based on his profile with which he can read released files in plain text. Whereas, if those files were accessed by an unauthorized person, he would only see an enciphered, unreadable string of characters.

In **SafeGuard LAN Crypt**, the roles of Server Administrator and Security Administrator are strictly separated, giving it a unique advantage in handling data security. The Server Administrator can still manage the system as usual, but has no means to decrypt any files. To ensure the separation of duties, the keys are managed by the Security Administrator who defines the individual access rights for working groups or individual users in accordance with the company's security guidelines.

**SafeGuard LAN Crypt** provides comprehensive protection for all company data. It is scalable so it can be used in small temporary teams, in departments and project groups, or throughout the organization.

**SafeGuard LAN Crypt – Intelligent file encryption.**

### About Utimaco – The Data Security Company.

With more than 25 years in business, Utimaco is a leading global provider of data security solutions, enabling mid-to large-size organizations to safeguard their data assets against intentional or accidental data loss, and to comply with privacy laws. Utimaco's complete range of data security solutions provide full 360 degree data protection for data at rest, data in motion and data in use. Utimaco offers its customers comprehensive on-site support via a world-wide network of certified partners and subsidiaries. Utimaco Safeware AG, with headquarters in Oberursel, near Frankfurt, Germany, is listed on the Frankfurt Stock Exchange (ISIN DE0007572406). For more information please visit [www.utimaco.com](http://www.utimaco.com)

## Benefits

### Enhanced security

- Transparent data security for user groups and individual users
- Encryption on all standard media and in heterogeneous environments
- Separation of duties between server and security administration
- Simple implementation of a company-wide security policy
- Flexible definition of encryption rules for user groups
- Easy PKI integration and support for certificates, smartcards and USB tokens

### Easy to deploy

- Seamless integration into heterogeneous IT infrastructures
- Easy, central administration using existing directories or domains
- No need for additional upgrades to existing IT infrastructure
- Scalable from individual user groups up to a company-wide rollout

### Easy to use

- Simple to use with integration in familiar working environments
- Transparent to users, self-explanatory functionality, resulting in higher levels of user acceptance

# SafeGuard® LAN Crypt

## System Requirements

### Hardware

- PC with an Intel Pentium processor or a compatible processor

### Operating systems

- Microsoft Windows Vista Business, Professional, Ultimate
- Microsoft Windows XP Professional\*
- Microsoft Windows 2000\*

### Supported file server operating systems

- Microsoft Windows
- Novell Netware
- Linux, Unix (Samba)

### Certifications

- FIPS 140-2
- Aladdin eToken certified



### Supported media

- Network drives, hard disks, diskettes, CD, DVD, USB and flash memory drives, and many others

### Interfaces

- ODBC (database)
- Crypto API
- LDAP
- Administration interface, e.g. to integrate into provisioning systems

### Standards/Protocols

- Authentication: user authentication via X.509v3 certificates
- PKCS#12
- LDAP for access to Microsoft Active Directory and Novell eDirectory
- Encryption: 3DES 168-bit, IDEA 128-bit, AES 128-bit and 256-bit
- Hash: MD5, SHA-256
- Tokens: smartcards and USB tokens via Crypto API

### Language Versions

- English, German, French

## Key Features/Functionality

### Security

- Comprehensive security solution for preventing unauthorized access to data
- Protects valuable company data and confidential personal information
- Strictly separates server and security administration responsibilities
- Excellent data protection if IT is outsourced because, although outsourcing staff can manage the files, they cannot read them
- Implements tried and tested security algorithms
- Protects data on network drives, hard disks and portable media such as CDs, DVDs, USB and flash memory cards
- User authentication by X.509 certificates
- Supports smartcards and USB tokens

### System administration

- Simple, central installation, configuration and administration through integration in existing IT environments and ability to use existing directory services (Active Directory, eDirectory) or domains
- Uncomplicated integration with existing PKI systems
- No reduction in server performance: encryption and decryption is done by an on end point client agent
- Cost-effective and quick to implement solution which does not need any additional infrastructure
- Less time and money needed for helpdesk services
- Various recovery capabilities, so that encrypted data can also be accessed in an emergency situation

### Easy to use

- Authorized users can save their shared information securely without any risk of unauthorized access by outsiders
- Persistent encryption
- No need for changes to employee working environments or working habits
- High level of acceptance by users: no additional training required

### Interoperability

- Supported databases: Microsoft SQL Server and Oracle
- Supported directories: Microsoft Active Directory and Novell eDirectory
- Microsoft Crypto API integration: the use of Cryptographic Service Providers (CSPs) means that any RSA-enabled components from third-party suppliers (such as smartcards or USB tokens) can be implemented for user authentication
- Administration API allows integration of SafeGuard LAN Crypt management into other administration tools

### Further information

- More information about SafeGuard LAN Crypt: [www.utmico.com/SG-LANCrypt](http://www.utmico.com/SG-LANCrypt)

### Utimaco Safeware Partner:



### Copyright Information

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