

# EasyKrypt™

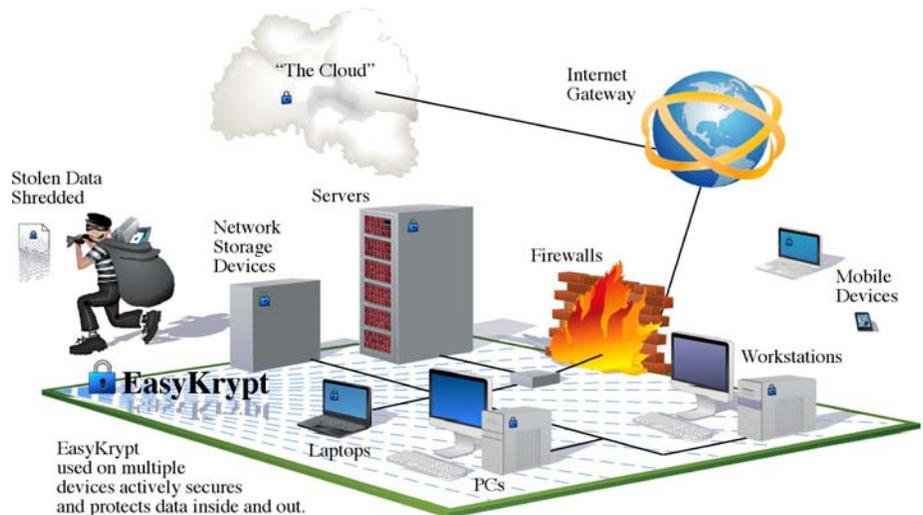


## Would you be able to tell if your, or your clients', critical files had been maliciously copied?

EasyKrypt is an easy-to-use data protection application using patented technology in combination with traditional encryption methods to protect digital assets. EasyKrypt is used on desktops, laptops, servers, networked storage devices, smartphones, and tablets, providing protection of data at rest, in transit, or stored in the cloud.

### Introduction

In today's information-based, always-on environment, many organizations' most valuable assets exist in digital form. These assets are constantly accessed, edited, evaluated, and stored. They are typically protected by perimeter security that can be breached or accessible from within, making them vulnerable to unauthorized access, copying, and theft. Information is also transmitted and shared outside the organization, and can be lost or stolen in transit. Many organizations have requirements of their employees to keep information confidential, yet don't supply the tools to secure that information. More importantly, if provided, tools don't make protection seamless and easy-to-use.



### What is EasyKrypt?

EasyKrypt is an easy-to-use data encryption application that utilizes a patented cloud based key management technology in combination with multi-factor identification and traditional encryption methods (government certified AES) to protect digital assets.

The solution provides an encrypted envelope of protection that prevents attackers, viruses, malware, and file sharing tools from accessing sensitive data on your computer system, network, or mobile device. Since EasyKrypt encrypts at the file level rather than on a specific device, data remains encrypted, even when copied, transmitted via email, or sent to mobile devices.

Once installed, usage is as simple as saving a file. The data can exist on the user's local machine, on a server over a network, on external storage in the cloud, or stored safely on laptops, smartphones, or other mobile devices.

Sensitive data and information is stored and transmitted in an encrypted form, yet is accessible to authorized users in its native form using multi-attribute access control and identity management capabilities.

### Features & Benefits

EasyKrypt provides customers:

- On-the-fly encryption to encrypt and decrypt files, as you are using them, just in time.

- AES 256/512-bit encryption standard, with FIPS 140-2 validation in process.
- A simple intuitive graphical user interface, making setup and operation easy and straightforward.
- Automated and expedited password maintenance, using a centrally managed certificate authority function that generates, manages, and stores authorities in a controlled and secured application.
- Multi-factor authentications such as Common Access Card/PKI, passwords, biometric methods (e.g., finger scanners, voice recognition, facial recognition), ge-fencing, hardware specific authentication, smartphone authentication, third party verification, and time filters in any number or combination of the above.
- Transparent management of user's IDs and history.
- A variety of data classification hierarchies from simple public/private distinctions to multi-tiered role-based access control, with LDAP integration forthcoming.
- Transparent work flow with no impact on productivity, interacting directly with operating systems in a way that integrates seamlessly with standard commands such as "Open", "Save", and "Close".
- User management and authentication, including add/remove/invite.
- A security console which provides alternate views of encrypted archives, allowing the end-user or security

administrator to manage certificate stores, LDAP directory queries, security policy creation tasks, and encryption within the same framework.

- Support for auditing, logging, and alerts, such as capture and retention of user log on/off, file open/close, and encryption events.
- Integration with existing network security solutions, including firewalls, anti-virus, anti-malware, and intrusion detection systems.
- The ability to create encrypted archives including opening new archives, adding individuals to an access control list, and attaching files to encrypt into a single encrypted output file.
- Support for all popular file formats, including .doc, .jpg, .avi, .pdf, .mp3, .html, and .xls.
- Secure erasure or “shredding” of files for confidentiality.
- Support for optional data recovery allowing one or more designated administrators to mount all encrypted disks either locally or over a network connection. Data recovery can be made mandatory by specifying data recovery agents’ certificates in the security policy.
- Support for authorized sharing of encrypted data – USB, disk, cloud, network, or email attachments.
- Integration and interoperability with multiple platforms and devices, including smart phones and tablets.
- A SoftKrypt Safety Deposit Box storage (optional).
- An online auto-updater which checks for the latest updates or releases to keep SoftKrypt software current.
- Transparent ease of use with minimal training required.

### EasyKrypt Products

SoftKrypt provides a series of EasyKrypt products that scale from small mobile devices to large-scale enterprise or agency-wide application to meet a range of customer needs:

- **EasyKrypt™ Home & Business** – is designed for both the home office and small business markets.
- **EasyKrypt™ Mobile** – meets the need to protect data increasingly transmitted and stored on smartphones and other mobile devices. EasyKrypt Mobile works with other EasyKrypt products for an integrated approach.
- **EasyKrypt™ Small Enterprise** – provides the same EasyKrypt protection, functionality, and ease of use with added capabilities for managing larger and more complex security needs.
- **EasyKrypt™ Enterprise** – provides even more capabilities to meet the needs of large enterprises.
- **EasyKrypt™ Government** – meets the specific requirements of federal, state, and local government agencies, and complies with FIPS mandated security requirements.
- **SoftKrypt Professional Services** – can provide consulting services for a range of customized projects, including a variety of services ranging from security assessment to custom implementations of SoftKrypt’s Blackening™ technology.

Initial EasyKrypt products will ship in the second quarter of 2012, with additional products to follow. The first product, EasyKrypt Home & Business version 1.0 for Microsoft Windows operating system will provide multi-attribute

access control & identity management protection in a home or group level application environment. Additional Home and Business product platform support will follow.

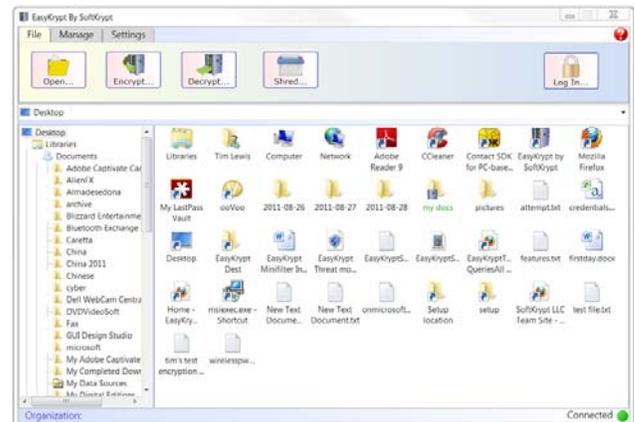


Figure: User interface when browsing files with EasyKrypt.

EasyKrypt Mobile is being adapted initially for the Apple iOS and Google Android platforms; additional platforms are being considered.

Development of the enterprise-level environment is underway, with initial demonstration before the end of 2011. The EasyKrypt Enterprise Security Management module will be developed and integrated with the core product to create EasyKrypt Small Enterprise and EasyKrypt Enterprise products. EasyKrypt Government will use the EasyKrypt Enterprise architecture and core code base, as well as meet both current and expected 2012 compliance requirements.

National Institute of Standards and Technology (NIST) FIPS140-2 validation is planned for the first quarter of calendar year 2012.

### Our Customers

**Lawyers** handling sensitive client contracts, **Accountants** managing the tax filings for valuable customers, Insurance agents managing claims and personal information ... These **Professionals** working out of Small Office or even a Home Office are responsible for protecting sensitive data files every day. With EasyKrypt they sleep peacefully, their business is protected from cyber crime.

### Platform Support

Initially, EasyKrypt has been developed for the Microsoft Windows Platform (Windows XP, Vista, Windows 7 (32/64-bit); multiple operating system environments will be supported, including Mac OS X, iOS, Linux, and Android.

### Further Information

For further information regarding EasyKrypt products, please visit our website at [www.softkrypt.com](http://www.softkrypt.com) or contact [marketing@Softkrypt.com](mailto:marketing@Softkrypt.com) Telephone: 928 717-9800

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