PROTELION
GOVERNMENT SOLUTIONS

DATA ENCRYPTOR

Problem Definition

In the modern digital landscape, organizations exchange vast amounts of sensitive data every single day — contracts, client records, financial information, strategic documents. Much of this information travels across insecure channels such as email, shared drives, or public messaging and cloud services.

The problem? These channels are prime targets for cybercriminals. Hackers can intercept unprotected files, copy or alter them, and exploit the stolen data for financial gain, competitive advantage, or malicious disruption. Even accidental leaks caused by human error can be devastating.

Without a reliable, easy-to-use encryption solution, organizations leave themselves open to data breaches, regulatory non-compliance, reputational damage, and financial losses. The stakes are simply too high to rely on outdated or fragile security measures.

Our Solution

Protelion Data Encryptor, is a specialized solution that delivers uncompromising security without slowing business down. We combine strong symmetric encryption with a streamlined management platform, enabling your organization to securely store and exchange files anywhere, even over the most untrusted channels.

Whether you’re sharing documents internally, collaborating with remote partners, or storing archives in the cloud, Protelion Data Encryptor ensures your information remains invisible to prying eyes and accessible only to those you choose.

What Is Data Encryptor

Protelion Data Encryptor solution includes Data Encryptor and Key Manager applications. Data Encryptor is designed to protect files using symmetric encryption. All data is encrypted before transmission or storage and can only be decrypted by authorized users who have been assigned the appropriate keys.

The solution is designed for organizations that need to:

- Ensure file protection regardless of the transmission medium (email, cloud storage, external media)
- Carry out daily operations without disruption, with complete peace of mind that data is safe

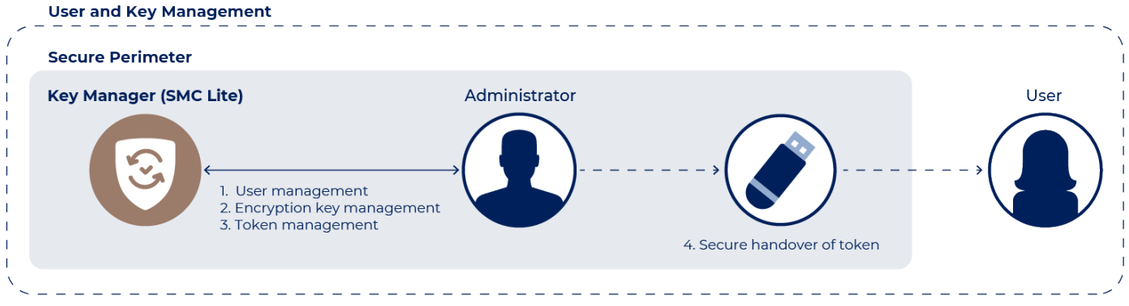
How It Is Managed

Access and key management are handled through Key Manager application providing administrators with a unified interface to manage users, permissions, and encryption keys.

From a single interface, your administrator can easily:

- Generate and assign encryption keys to users
- Revoke keys when employees change roles or leave the company
- Select the key storage method:
  1. Entirely on a token (hardware medium)
  2. Combination: Part of the key on the token, part in a container delivered via a secure channel (e.g., USB or other protected transmission)

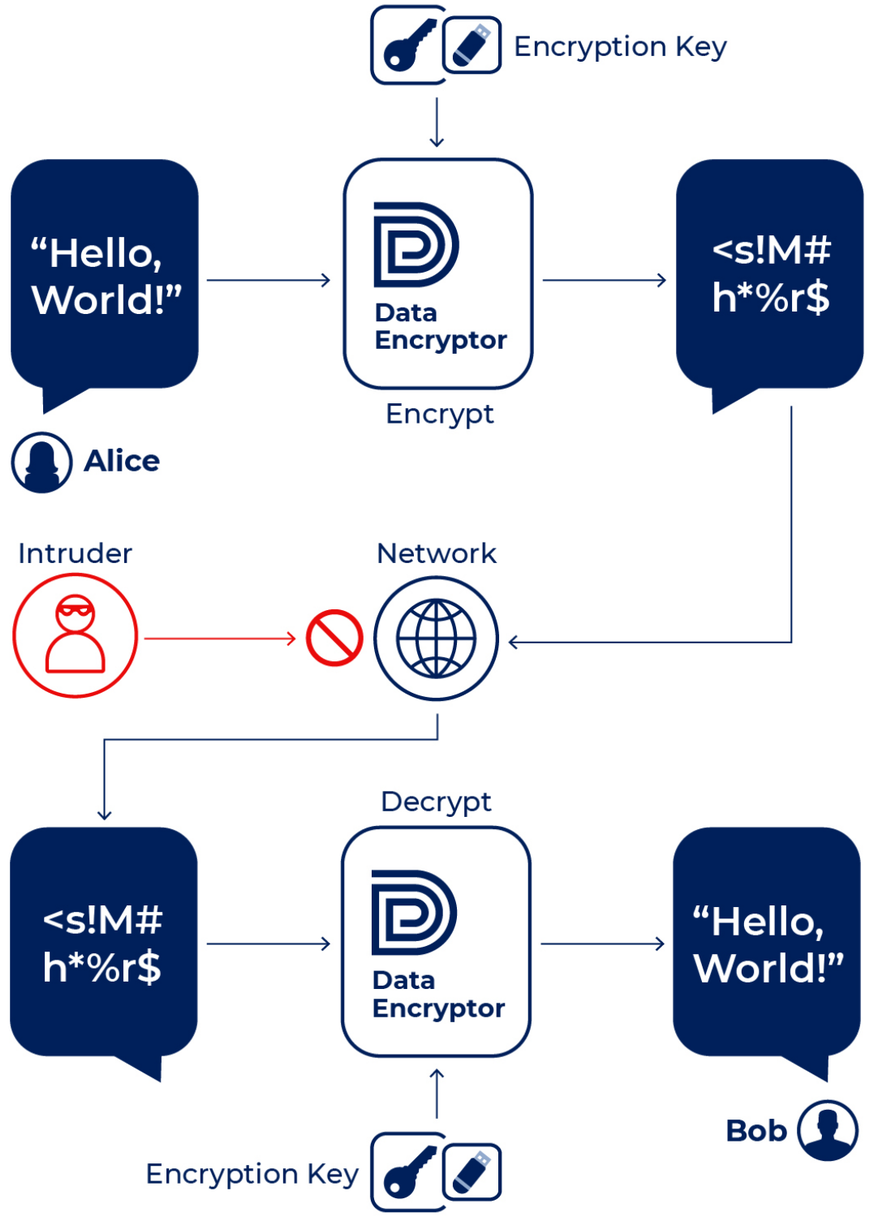
This flexibility allows to adapt security setup to organization's operational needs. It means that encryption is fully tailored to any workflow.



How It Works

Using Protelion Data Encryptor is straightforward:

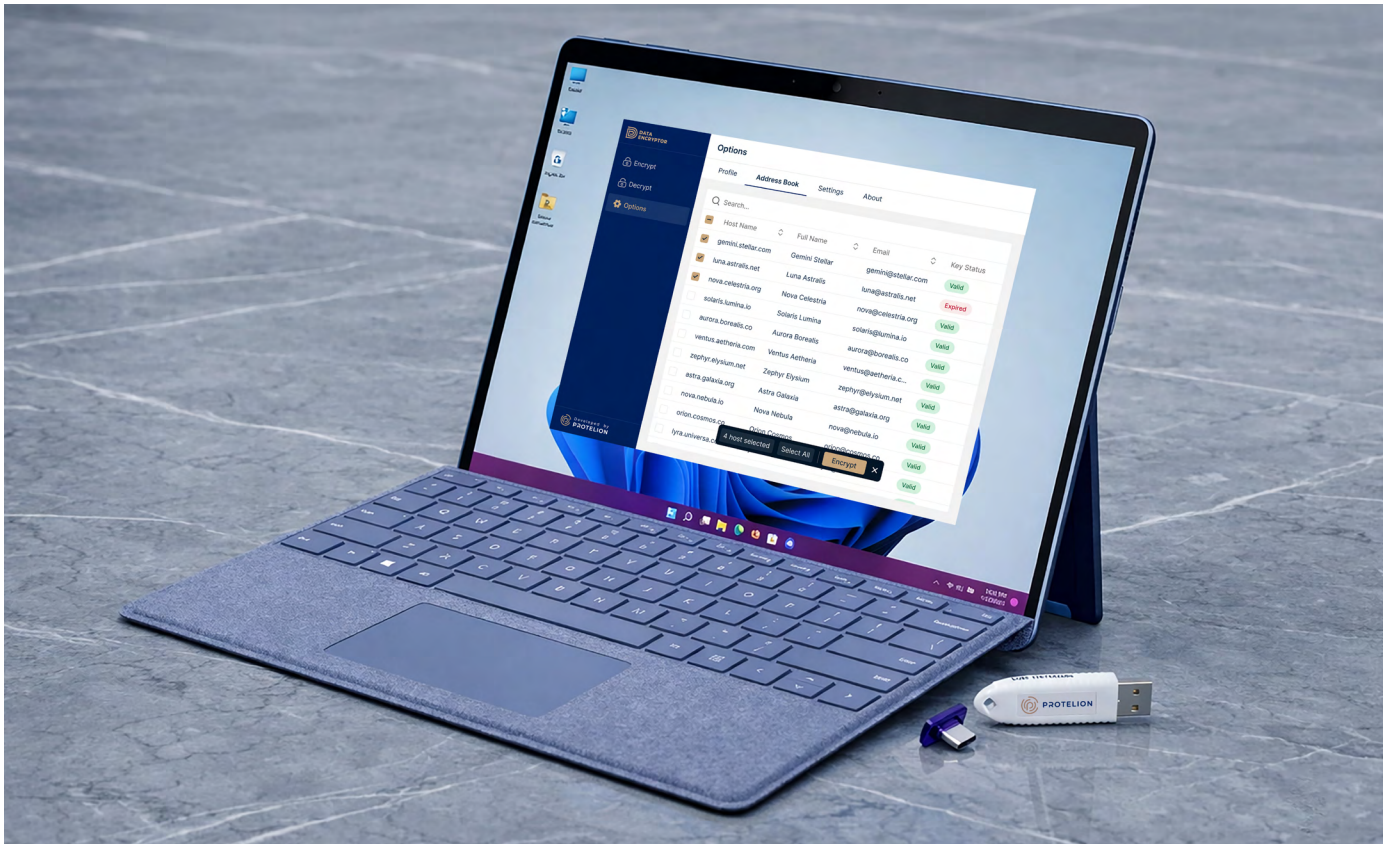
1. **Key Initialization** – The administrator creates encryption keys and distributes them among users in accordance with the access policy.
2. **Encryption** – The selected files are encrypted using the AES-256 algorithm and become inaccessible to unauthorized persons.
3. **Decryption** – A user with the correct key decrypts the files and gains access to the content.



Key Features & Benefits

Below are the key features and benefits of Protelion Data Encryptor:

- **File Protection** – The system encrypts files on demand, keeping data protected during storage and transfer.
- **Centralized Management** – Key Manager ensures complete control of users and keys, allowing instant adjustments and maximum oversight.
- **Hardware Token Support** – For organizations that require extra assurance, encryption keys are stored on hardware security tokens for an added layer of security.
- **Seamless Integration** – Requires minimal changes to user workflows, with simple client installation and key distribution.



> "With Protelion Data Encryptor, your files remain safe, no matter where they travel. Take control of your sensitive information today and eliminate the risks of unsecured communication channels."

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