

EVIDEN

Eviden covercrypt

Offers high-performance
encryption with postquantum
resistance and access control –
enabling data-centric security

Request a demo!



Eviden covercrypt enables organizations to encrypt sensitive data with advanced security measures, ensuring long-term protection against both classical and quantum threats. It empowers a data-centric security approach, which prioritizes the reliability and integrity of data itself over the security of networks, servers, or applications.

Eviden covercrypt main use cases

- **Securing large repositories of data**
Protect datalakes and vast amounts of sensitive information with scalable, post-quantum encryption, ensuring confidentiality and controlled access across large datasets.
- **Enforcing data-centric security**
Embed encryption directly into data workflows, ensuring persistent protection regardless of storage, transfer, or processing environments.
- **Implementing post-quantum encryption for long-lasting protection**
Safeguard critical data against future quantum threats with hybrid encryption, guaranteeing security over extended timeframes.
- **Implementing cryptoagility**
Adapt seamlessly to evolving cryptographic standards by integrating flexible, hybrid encryption mechanisms that future-proof data security.

What's in Eviden covercrypt?

Advanced encryption for the quantum era

Eviden covercrypt delivers cutting-edge encryption technology, integrating classical and post-quantum security features for comprehensive protection.

- **Hybrid post-quantum encryption**
Combines classical and post-quantum algorithms for future-proof data security.
- **Fine-grained access control**
Restrict decryption to authorized users based on defined policies.
- **Traceable encryption**
Assigns unique decryption keys to each user for accountability and auditing.



Performance-driven cryptography

Eviden covercrypt is engineered for high-speed encryption and decryption, ensuring minimal latency and seamless integration.

- **Encapsulation in ~200 microseconds**
- **Decapsulation in ~600 microseconds**
- **Rust-based and open-source for high efficiency**

Compliance and standardization

Eviden covercrypt aligns with industry standards and regulatory requirements for cryptographic security.

- **Implement ETSI Standard: ETSI TS 104 015**
- **Folloze ANSSI & BSI post-quantum hybridization recommendation**
- **Based on ML-KEM the NIST Standardized Post Quantum KEM**

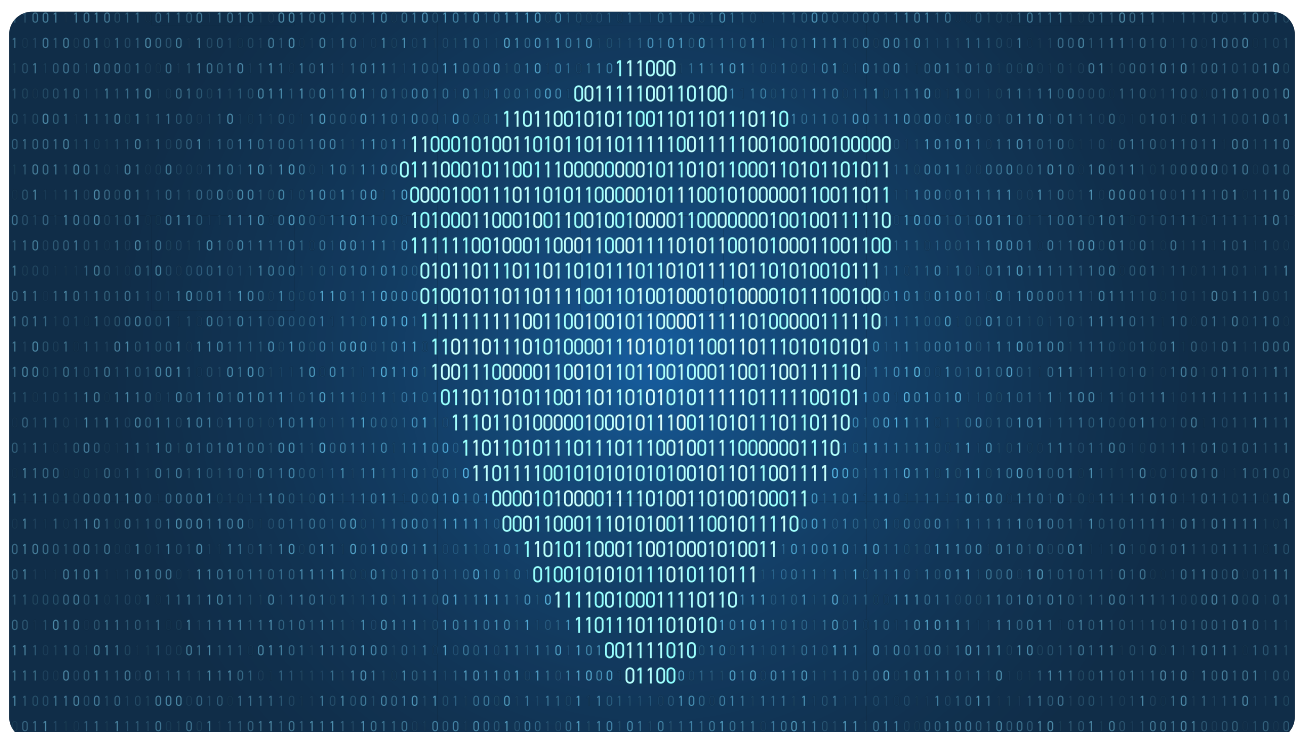
What makes Eviden covercrypt stand out?

- **Post-quantum security**
Eviden covercrypt combines classical and hybridized post-quantum encryption, ensuring long-term data protection against emerging quantum threats.
- **Fine-grained access control**
With traceable encryption, Eviden covercrypt restricts decryption to authorized users, enabling secure and auditable data access policies.
- **High performance & efficiency**
Optimized for speed, Eviden covercrypt achieves encapsulation in ~200 microseconds and decapsulation in ~600 microseconds, ensuring seamless integration.
- **Open-source & flexible**
Built in Rust for high efficiency, Eviden covercrypt is transparent, secure, and adaptable to various cryptographic environments.

Available out of the box in Eviden kms

Seamlessly integrated with Eviden kms for easy deployment and centralized encryption management.

- **Access policies definition**
Define precise decryption rights to ensure secure and controlled access to encrypted data.
- **Management of master and user decryption keys**
Securely generate, store, and manage encryption keys with advanced lifecycle controls.
- **Covercrypt encryption/decryption on the fly**
Instantly encrypt and decrypt data with high-performance processing for real-time security.



Future-proof your data security Stay ahead of emerging threats with Eviden covercrypt post-quantum encryption and fine-grained access control.

Contact us!

Connect with us



eviden.com

Eviden is a registered trademark © Copyright 2025, Eviden SAS – All rights reserved.