



KRYPTOEVOLUTION



A self-consistent Secure Key Server

It creates, maintains and securely uses multiple private keys and certificates to achieve law compliancy in digital signature and encryption.

Easy centralized administration to avoid any user or application key management.

No Knowledge of ASN.1, PKI, encryption or digital signature is require to use KryptoEvolution.

Very abstract high level API for quick responses.

It enables independent verification or decryption.

It Exposes multiple sign and encrypt algorithms and formats to easily achieve the developer's target.

Fully projected, documented and realized to be compliant with:
Common Criteria EAL4 Augmented certification (PP CWA 14169)

Scalable, high available, redundant and load balanced architecture.

Self consistent, secure and fast solution for any real application.

Complete, consistent, scalable and reliable solution for high value customers information.

Technical Characteristics

Strong RSA-DSA key pair

Strong random generator

Secure Strong deletion
(memory & disk information)

Strong encryption algorithms

Compliant with European directive

Automatic check software integrity

SMNP protocol for management

VRRP protocol available

Secure Internal storage for keys and certificates

Secure Finite State Machine

Shamir split scheme for startup

Secure backup & restore—double encryption (Security Officer)

Interoperable with any external existing Certification Authority

Easy to use API (no ASN.1 or PKI knowledge required)

Support for specific national law requirement (Germany, Italy)

No more user smart card but centralized use of keys and certificates

Very fast response on operations



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- KryptoEvolution (Secure Key Server V2)
- TimeEvolution (Time Stamping Authority)
- DataEvolution (Long Term Data Preservation)
- MailEvolution (Certified Mail Server)
- eSign for FileNet (Encryption / Digital Signature for P8)
- Sign Station (Digital Signature/Encryption Client)
- XPK Multiplatform Data Compressor