

KEY MANAGEMENT SDKS

COMPLETE VENDOR- INDEPENDENT KEY MANAGEMENT SOLUTION

Cryptsoft's Key Management SDKs enable rapid addition of interoperable key management functionality to your existing products.

Providing both Client and Server SDKs, Cryptsoft KMIP SDKs have been integrated into the majority of all KMIP products on the market today, eliminating the need for rework to interact with another vendor's endpoint.

As the security market's preferred KMIP vendor, Cryptsoft has the technology and the relationships to ensure your product delivers its maximum potential.

Using the Cryptsoft SDKs in ANSI C, C++, C#, Java and Python, you can support KMIP key management protocols with a single, consistent interface and provide your customers with a complete vendor independent key management solution to manage all of the points of encryption within your enterprise.

KEY FEATURES

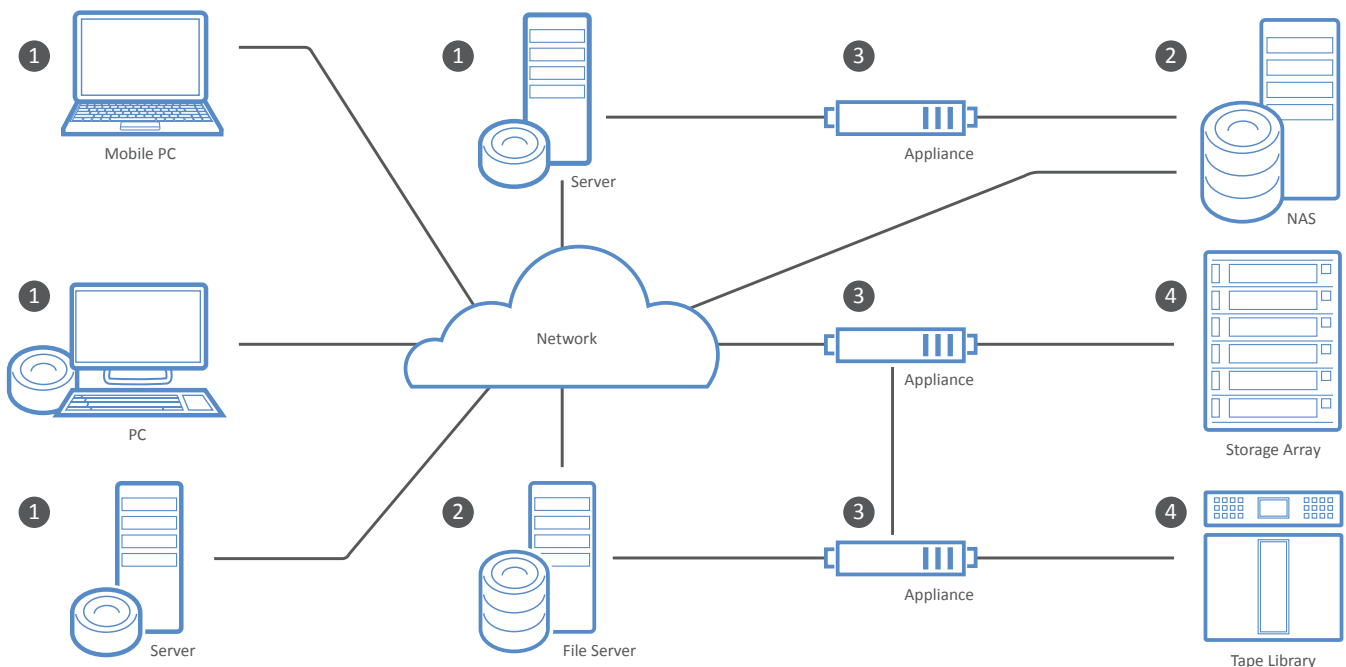
- Full OASIS KMIP compliance versions: 1.0, 1.1, 1.2, 1.3, 1.4, 2.0*
- Guaranteed interoperability with all released KMIP server products
- Available as a binary SDK
 - Source license option
- Comprehensive example code
 - Custom examples available for rapid integration
- Supported on over 35 different platforms including Linux, Windows and a range of embedded platforms
 - Custom platform ports on request

POINTS OF ENCRYPTION

Source: ISO/IEC 27040 - Information technology
- Security techniques - Storage security

LEGEND

- ① Application Level
- ② Filesystem Level
- ③ Network Level
- ④ Device Level



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Client SDK Products

- KMIP C Client SDK
- KMIP C Client SDK SGX Module
- KMIP C++ Client SDK
- KMIP C++ Client SDK SGX Module
- KMIP C# Client SDK
- KMIP Java Client SDK
- KMIP Python Client SDK
- KMIP C Client Layered Protocol SDKs for Proprietary Protocols
- KMIP C Client PKCS11 Adapter
- KMIP RKM/DPM C Client SDK
- KMIP C Client Oracle TDE & Microsoft BitLocker
- KMIP C Client Layered Protocol SDK
- KMIP C Interoperability Test Suite
- KMIP Java Interoperability Test Suite
- Online Test Service (XML/JSON)

Features

- Comprehensive example code
- Source licence option
- Supports KMIP v1.0, v1.1, v1.2, v1.3, v1.4, v2.0*

Supported Hardware Security Modules and Random Number Generators

- ID Quantique - Quantis USB (RNG) [Vendor]
- ID Quantique - Quantis PCI (RNG) [Vendor]
- ID Quantique - Quantis PCIe (RNG) [Vendor]
- Feitian - ePass [PKCS#11]
- Oracle - SCA6000 [PKCS#11]
- SafeNet - Luna SA4/SA5 (RNG/HSM) [PKCS#11]
- SafeNet - Luna CA (RNG/HSM) [PKCS#11]

Supported One Time Password Devices

- Android [OATH-TOTP] [Soft Token]
- Cryptsoft [OATH-TOTP]
- Feitian [OATH-HOTP/TOTP]
- Apple [OATH-TOTP] [Soft Token]
- Google Authenticator [OATH-TOTP] [Soft Token]

Supported Databases

- Oracle MySQL
- Oracle Database
- Microsoft SQL Server
- SQLite

Server SDK Products

- KMIP C Server SDK
- KMIP C Server SDK SGX Module
- KMIP Java Server SDK
- KMIP Alert Server SDK
- KMIP Server VM Subscription (Annual - C or Java)
- KMIP Server Administration Interface (for C or Java Server SDK)
- KMIP C Proxy Servers for Proprietary Protocols
- KMIP C Server Integration Modules (PKCS11, HSM, RNG)
- KMIP C Server Integration Module (HSM) SGX Module
- KMIP C Server Integration Module (RNG) SGX Module
- KMIP C Server Integration Module (Audit/Analytics)
- KMIP C Server OTP Server Module
- PKCS#11 C Provider SDK SGX Module
- PKCS#11 C Consumer SDK SGX Module
- SQLite3 SDK SGX Module
- Object Store SDK SGX Module

- Supports proprietary key management protocols (optional plugins to C SDK)

- SafeNet - Luna PCI (RNG/HSM) [PKCS#11]
- SafeNet - Protect Server (RNG/HSM) [PKCS#11]
- Thales e-Security - nShield Connect (RNG/HSM) [PKCS#11]
- Thales e-Security - nShield Edge (RNG/HSM) [PKCS#11]
- Thales e-Security - nShield Solo (RNG/HSM) [PKCS#11]
- Utimaco CryptoServer CSe10 PCIe/LAN (RNG/HSM) [PKCS#11]
- Utimaco CryptoServer CSe100 PCIe/LAN (RNG/HSM) [PKCS#11]
- Whitewood EntropyEngine (RNG)

- FIDO Devices [U2F]
- Mi-Token [OATH-TOTP] [Soft Token]
- RSA Security SecurID [SecurID]
- Litheware Tombé [OATH-HOTP] [YubiKey]
- Yubico [OATH-HOTP/TOTP] [YubiKey]

- IBM DB2
- PostgreSQL
- Embedded (lightweight)
- HSQLDB

