



SPECIFICATIONS

qClient™ 200

Client SDK including a key management solution

Key Features

- Allows for rapid development of key management applications
- Supports OASIS KMIP and PKCS#11 protocols
- Interoperates with the Trusted Security Foundation® (TSF®) key and policy manager and compliant third-party key management servers
- Facilitates rapid development, relieving developers of the need for deep KMIP or PKCS#11 knowledge
- Includes not-for-resale TSF® 100 virtual machine license*

KMIP & PKCS#11

- OASIS KMIP: Conformant with standards 1.0/1.1/1.2/1.3/1.4/2.0
- Supports all KMIP profiles and transport protocols: TTLV, TTLV over HTTPS, JSON, XML
- PKCS#11 version 240, Baseline Provider and Extended Provider profiles, Authentication Tokens

Languages

- qClient 200 is implemented in C
- .NET and Java APIs
- Other APIs available upon request

Supported Platforms

- 32 bit Windows 7, 8+, Server 2008 R2+
- 64 bit Windows 7, 8+, Server 2008 R2+
- 32 bit Linux x86 Kernel 2.6+
- 64 bit Linux x86_64 Kernel 2.6+
- ARMv8 Debian 4.9.130
- 64 bit ESXi 6.5, 6.7

Supported KMIP Managed Objects

- Certificate
- Opaque Object
- Private Key
- Public Key
- Random Object
- Secret Data
- Symmetric Key
- Template

Supported KMIP Operations

- Objects Establishment
- Object and Attribute Retrieval
- Object and Operation Accessibility
- Object Lifecycle
- Attribute Management
- Object Renewal
- Asynchronous Operations
- Server Initiated
- Discovery
- Crypto Operations
- Split Key Operations

Supported KMIP Profiles

- Baseline
- Symmetric Key Lifecycle
- Basic Symmetric Key Foundry
- Intermediate Symmetric Key Foundry
- Advanced Symmetric Key Foundry
- Asymmetric Key Lifecycle
- Basic Cryptographic
- Advanced Cryptographic
- RNG Cryptographic
- Opaque Managed Object
- Storage Array with Self-Encrypting Drives
- Tape Library

Supported PKCS#11 Profiles

- Baseline Provider
- Extended Provider
- Authentication Token ("KMIP", "Keystore software" provided with support for customers to provide their own token)

* Refer to the TSF 100 product sheet for more information.