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Overview

Fornetix has used and implemented OASIS's Key Management Interoperability Protocol (KMIP) as specified in the KMIP Specification and Profiles. Utilization and implementation is in accordance with policy as specified by OASIS. This implementation has proven to interoperate with other KMIP implementations.

Detailed Statement

Fornetix has implemented the KMIP specified Objects, Actions, and Attributes as presented in the KMIP Specification* and prescribed in execution of KMIP Profiles**. Below is the list of profiles that Fornetix Key Orchestration™ Client and Server has demonstrated the capacity to execute internally as well as with other KMIP implementations.

- Baseline Server Basic KMIP v1.3
- Baseline Server TLS v1.2 KMIP v1.3
- Baseline Client Basic KMIP v1.3
- Baseline Client TLS v1.2 KMIP v1.3
- HTTPS Client KMIP v1.3
- HTTPS Server KMIP v1.3
- XML Client KMIP v1.3
- XML Server KMIP v1.3
- JSON Client KMIP v1.3
- JSON Server KMIP v1.3
- Symmetric Key Lifecycle Client KMIP v1.3
- Symmetric Key Lifecycle Server KMIP v1.3
- Basic Symmetric Key Foundry Client KMIP v1.3
- Intermediate Symmetric Key Foundry Client KMIP v1.3
- Advanced Symmetric Key Foundry Client KMIP v1.3

- Symmetric Key Foundry Server KMIP v1.3
- Asymmetric Key Lifecycle Client KMIP v1.3
- Asymmetric Key Lifecycle Server KMIP v1.3
- Basic Cryptographic Client KMIP v1.3
- Advanced Cryptographic Client KMIP v1.3
- RNG Cryptographic Client KMIP v1.3
- Basic Cryptographic Server KMIP v1.3
- Advanced Cryptographic Server KMIP v1.3
- RNG Cryptographic Server KMIP v1.3
- Opaque Managed Object Store Client KMIP v1.3
- Opaque Managed Object Store Server KMIP v1.3
- Storage Array with Self Encrypting Drive Client KMIP v1.3
- Storage Array with Self Encrypting Drive Server KMIP v1.3
- Tape Library Client KMIP v1.3
- Tape Library Server KMIP v1.3
- Suite B minLOS_128 Client KMIP v1.3
- Suite B minLOS_128 Server KMIP v1.3
- Suite B minLOS_192 Client KMIP v1.3
- Suite B minLOS_192 Server KMIP v1.3

All mandatory test cases defined in the KMIP Profiles have been used or implemented enabling demonstration of successful communication between a KMIP client and a KMIP server.

Fornetix Key Orchestration™ KMIP clients have successfully been used in interoperation with KMIP server implementations by Cryptsoft, Dell, HPE, and IBM.

KMIP client implementations by Cryptsoft and P6R have successfully interoperated with Fornetix Key Orchestration™ KMIP servers.

* Key Management Interoperability Protocol Specification Version 1.3, Committee Specification 01, 28-July-2016, <http://docs.oasis-open.org/kmip/spec/v1.3/kmip-spec-v1.3.html>

** Key Management Interoperability Protocol Profiles Version 1.3, Committee Specification 01, 28-July-2016, <http://docs.oasis-open.org/kmip/profiles/v1.3/kmip-profiles-v1.3.html>