SOLUTION BRIEF

P6R’s KMIP Client Integration with Gemalto’s SafeNet KeySecure

The integration of P6R’s KMIP SDK Client (SKC), with Gemalto’s SafeNet KeySecure enhances options on how to add the Key Management Interoperability Protocol (KMIP), and PKCS#11 to applications.

Solution Overview

Using P6R’s Secure KMIP Client (SKC) with Gemalto’s SafeNet KeySecure provides easy integration of KMIP functionality into many customer applications by supporting multiple computer platforms, languages and APIs. Organizations that have heterogeneous KMIP server deployments are able to use SKC for all their client key management needs instead of different clients for each vendor’s product. By utilizing P6R’s SKC, organizations are able to convert the PKCS#11 standard to the Key Management Interoperability Protocol (KMIP) and vice versa. This enables a variety of applications - whether it’s a database, storage solution, or custom application—to use SafeNet KeySecure regardless of if they natively support PKCS#11 or KMIP.

Partner Solution: P6R’s Secure KMIP Client (SKC)

P6R’s Secure KMIP Client (SKC) is an SDK that provides a full implementation of the OASIS KMIP 1.0, 1.1, 1.2, 1.3, and 1.4 protocols. SKC provides several language bindings: C, C++, JNI, and python C extension module. SKC provides multi-platform support: Linux, Windows, UEFI, Intel and ARM processors, 64 and 32 bit applications.

Additional Features Include

- Standards based, fully interoperable and tested KMIP client implementation
- SKC supports all commercially available KMIP servers.
- Supports choice of client platform and development language
- P6R’s PKCS#11 KMIP token allows existing PKCS#11 enabled applications to use SafeNet KeySecure

SafeNet KeySecure from Gemalto

SafeNet KeySecure from Gemalto is the industry’s leading centralized key management platform, and is available as a hardware appliance or hardened virtual security appliance. By utilizing SafeNet KeySecure, organizations benefit from its flexible options for secure and centralized key management—deployed in physical, virtualized infrastructure, and public cloud environments. SafeNet KeySecure utilizes KMIP to assist security professionals in managing encryption keys used in storage appliances and applications.

Key Benefits

P6R’s Secure KMIP Client (SKC)

- Secure KMIP Client (SKC) SDK enables the easy addition of KMIP-based interoperable key management into an application.
- Provides an easy to use yet powerful KMIP command line tool that can be used for testing, development, scripting and support of KMIP applications.
- Provides applications with several different language bindings to meet a wide range of customer needs.
- Supports all commercially available KMIP servers. Customers that have heterogeneous KMIP server deployments can use SKC for all their client key management needs.
- P6R’s PKCS#11 KMIP Token provides an industry standard API to communicate to SafeNet KeySecure enabling existing PKCS#11 applications to use a KMIP server.
SafeNet KeySecure provides a single, centralized platform for managing cryptographic content (keys and related data) and applications. SafeNet KeySecure is capable of managing the cryptographic material of any solution that employs the KMIP standard, which means additional solutions can be integrated quickly while preserving the integrity of the data encryption keys at the center of the key management solution.

About Gemalto’s SafeNet Identity and Data Protection Solutions

Gemalto offers one of the most complete portfolios of enterprise security solutions in the world, enabling its customers to enjoy industry-leading protection of data, digital identities, payments and transactions—from the edge to the core. Gemalto’s newly expanded portfolio of SafeNet Identity and Data Protection solutions enables enterprises across many verticals, including major financial institutions and governments, to take a data-centric approach to security by utilizing innovative encryption methods, best-in-class crypto management techniques, and strong authentication and identity management solutions to protect what matters, where it matters. Through these solutions, Gemalto helps organizations achieve compliance with stringent data privacy regulations and ensure that sensitive corporate assets, customer information, and digital transactions are safe from exposure and manipulation in order to protect customer trust in an increasingly digital world.

About P6R, Inc

P6R is a privately held, self-funded and self-sustaining software company founded in 2004. Providing multi-platform solutions to a broad range of businesses, P6R’s security products and professional services enable businesses to easily solve their key management and encryption integration challenges with OASIS KMIP and PKCS#11 toolkits and custom clients. P6R partners with customers in an ongoing relationship to develop successful solutions that deliver the highest levels of quality and customer value. P6R has a wide range of expertise in areas including email, ad serving, networking, scalability, high-availability and computer security. P6R is a member of the KMIP and PKCS#11 OASIS technical committees.