

# Secure Scalable Key Management

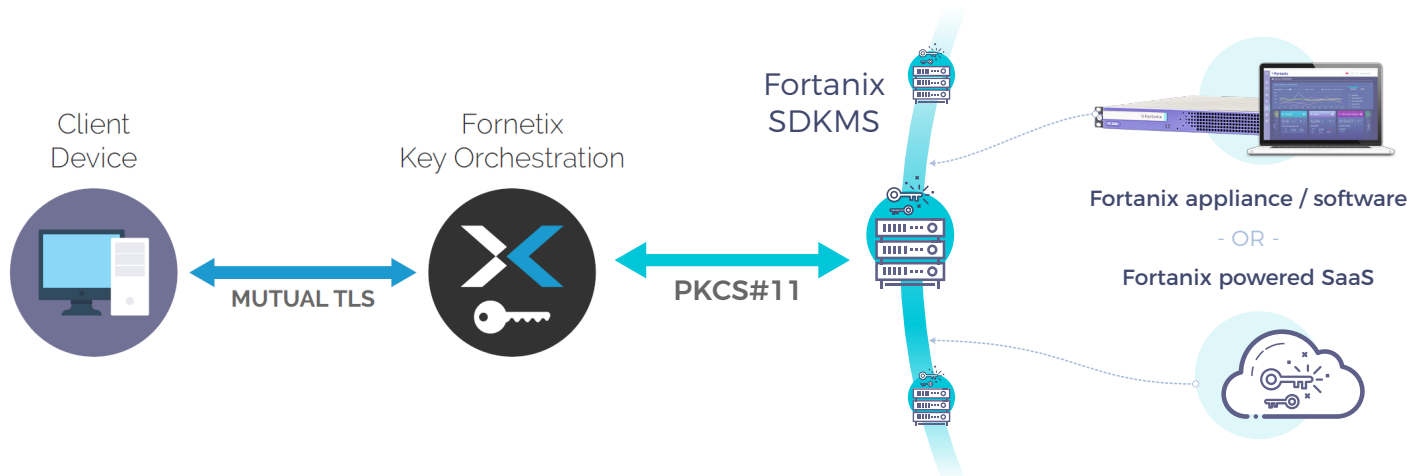
## Fortanix SDKMS™ + Fonetix Key Orchestration

### Market need

Encryption can be a very effective data protection control as long as the encryption keys are managed securely and effectively. The rapid data growth given digitization efforts, the increased adoption of Hybrid Cloud and the rise of IoT devices are some of the factors that require rethink of encryption and key management controls. Encryption keys need to be managed with increased velocity, larger scale and heightened security to meet the modern business requirements. Furthermore, key management needs to not only break traditional enterprise silos but also geographic silos and cloud silos.

### Solution Overview

The combined solution of Fortanix SDKMS and Fonetix Key Orchestration offers unprecedented key lifecycle management with unmatched security. The solution comprises of a Fonetix Key Orchestration Appliance (KOA) plus either Fortanix SDKMS Appliance (FX2200) or HSM as a service. The combined solution delivers enterprise-grade key management lifecycle with a highly-secured FIPS 140-2 Level 3 platform.



As more and more encryption keys are required to secure important business initiatives, the solution can easily scale to manage the lifecycle of the keys without any compromise to security of the keys. Organizations that are looking to securely manage millions and billions of IoT devices are an example of the types of use cases that can be served well with the combined solution.

- **Ease of Use:** Support for a variety of interfaces such as KMIP, PKCS#11 and REST APIs. Quick time to value with easy setup and turnkey integration.
- **Scalability:** Ability to generate, store and manage hundreds of millions of keys with automation across key lifecycle.
- **Security and Compliance:** Full support for NSA Suite B algorithms with secure key generation, complete user control of keys and tamper-proof audit logs with hardened FIPS devices.
- **Flexibility:** Solution offers flexible deployment models and consumption options with support for self-contained appliances or a hybrid model with appliance/SaaS.

## [Fortanix Self-Defending Key Management Service \(SDKMS\)](#)

Secured with Intel® SGX, Fortanix SDKMS delivers HSM-grade security with software-defined simplicity. SDKMS provides flexible consumption options — a hardened appliance, HSM as a service, or software running on commodity x86 servers.

SDKMS offers central management, tamper-proof logging, rich access control, REST APIs and massive scalability. Organizations use SDKMS to secure their sensitive cloud and traditional applications, including digital payments, PKI systems, IOT applications, silicon manufacturing, and remote TLS terminations — all while drastically reducing integration complexities and expenses.

## [Fortanix SDKMS Datasheet](#) [Fortanix SDKMS Appliance](#)

## [Fornetix Key Orchestration](#)

Fornetix Key Orchestration is an enterprise encryption key management solution that enables a unified approach to data security by deploying and enforcing encryption across an entire organization. This unification allows for centralized storage and control for all encryption keys across all types of environments; whether it's on premise storage, virtualized, or cloud.

Through a robust and extensive API and a dedication to industry standards, Fornetix is built on interoperability. When paired with the ability to scale to millions of keys, Key Orchestration ensures seamless integration with organizations today and provides the ability to grow with them in the future.