FUTUREX
MANAGED KEY SERVICES

Futurex Managed Key Services leverages our cryptographic experts to provide end-to-end protection for your enterprise's key management lifecycle. This fully managed solution automates key generation, distribution, and control to ensure secure, compliant data protection from receipt to storage. By streamlining complex operations, your team can focus on core priorities while maintaining rigorous security standards.

45+
PCI PIN requirements reduced
from your compliance scope

Centralized Key Management
Securely manage cryptographic keys across multiple environments

Key Conveyance
Convey, generate, send, receive and manage keys during secure operations
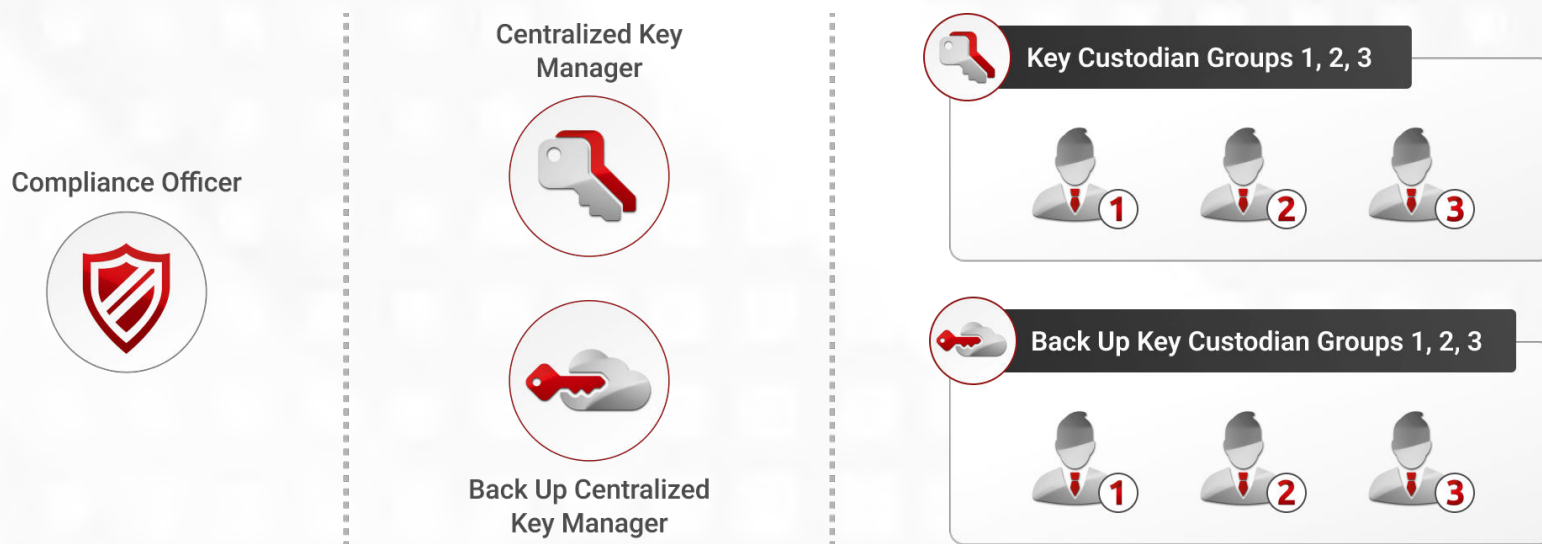
Optimize Operations
Lower the cost of key management headcount and resources

Futurex Managed Key Services for cloud payment HSMs streamlines complex key management tasks, including key exchanges between multiple parties within the cryptographic ecosystem. Our service handles human-centric tasks like managing the secure exchange of key components, leveraging Futurex's team of industry experts who have provided world-class key management services for over a decade.

Integrated Compliance

Available with VirtuCrypt cloud payment HSMs, Futurex Managed Key Services reduces key management burdens by facilitating key escrow and inventory management. Through our strong industry relationships with payment processors, card brands, and ESOs, we streamline the compliance process with comprehensive documentation to simplify PCI reviews. Our rigorous annual PCI audits cover all key management hardware, policies, and procedures, ensuring full compliance and operational security.

Key Management Organizational Structure

Compliance Officer

Centralized Key Manager

Back Up Centralized Key Manager

Key Custodian Groups 1, 2, 3

1   2   3

Back Up Key Custodian Groups 1, 2, 3

1   2   3

Component Handling and Logistics

Component-Based Keys: When component parts must be handled with split knowledge and dual control while leveraging distinct certified shipping logistics providers.

Encrypted Keys: When keys may be shared as encrypted objects, either simply encrypted by another key or formed as a key block or bundle such as X9.143.

Technical Specifications

Encryption Standards: AES, RSA, ECC, DES, 3DES

Compliance: PCI DSS, PCI PIN, PCI P2PE

Key Types Supported: HSM master keys, exchange keys, all working keys, including support for variant and key block

HSMs: FIPS 140-2 Level 3, PCI HSM validated

Operational Benefits

- Simplified key management processes
- Reduced IT overhead
- Enhanced security protocols and monitoring

Business Benefits

- Enhanced security and compliance
- Streamlined onboarding process
- Cost-effective solution for comprehensive key management

Futurex Managed Key Services ensures top-tier security, compliance, and operational resilience. Offering backup and recovery services for key components and providing flexibility for cloud integration, Futurex Managed Key Services gives businesses a secure, scalable path to meet industry standards.

Our expert team manages the entire key lifecycle, from generation to deletion, with our world-class support team ready to assist, ensuring your cryptographic infrastructure is fully supported.