



## Advanced Key Lifecycle Management

Automate Your Key Lifecycle  
Across Enterprise, Cloud, and Payment.

Advanced Key Lifecycle Management provides security teams with centralized control over how cryptographic keys move through their full lifecycle. In CryptoHub, Futurix applies policy-driven workflows for generation, distribution, rotation, revocation, archival, and destruction inside HSM-backed cryptographic boundaries across enterprise, cloud, payment, and hybrid environments.



### HSM-Backed Control for Every Key Change

- CryptoHub lifecycle orchestration for centralized control across connected systems and environments.
- HSM-backed root of trust for key operations inside trusted cryptographic boundaries.
- Zero-downtime rotation, rollback, and crypto-agile migration support for coordinated lifecycle change.

## Advanced Key Lifecycle Management Capabilities

### Policy-Driven Orchestration:

Apply lifecycle policies across generation, distribution, rotation, revocation, archival storage, and destruction from a single control layer.

### Audit Trails and Reporting:

Document lifecycle events, policy actions, and access activity for audit review and operational analysis.

### Rollback and Recovery:

Recover from failed rotations or compatibility issues through rollback controls and synchronized recovery workflows.

### Approval Workflows:

Route sensitive key operations through defined approval paths tied to operational roles and policy controls.

### Zero-Downtime Rotation:

Rotate keys across dependent systems without planned downtime, reducing operational disruption during coordinated updates.

### Standards-Based Integration:

Integrate through REST APIs, SOAP, PKCS #11, certificate workflows, and application frameworks.



## Standardize, Coordinate and Document

Futurex brings advanced key lifecycle operations into a centralized CryptoHub control model. Teams can apply policy, coordinate lifecycle change, and document key events across enterprise, cloud, payment, and hybrid environments.

## Advanced Key Lifecycle Management Capabilities

Futurex Advanced Key Lifecycle Management gives organizations stronger operational control, fewer manual handoffs, and clearer lifecycle documentation across complex environments.

### • Policy-Driven Orchestration:

Use a single control model for key generation, distribution, rotation, revocation, archival storage, and destruction across a hybrid infrastructure.

### • Reduce Manual Coordination:

Replace handoffs across vaults, HSMs, cloud services, certificate workflows, and application teams with centralized lifecycle control.

### • Support Crypto-Agile Migration:

Introduce new algorithms, update lifecycle policies, and stage cryptographic migrations without rebuilding operational workflows.

### • Improve Audit Readiness:

Maintain documented lifecycle events, revocation records, destruction records, and policy actions for governance review.

## Payment Key Management Empowered

Centralized lifecycle management across enterprise, cloud, payment, and hybrid environments

Zero-downtime rotation with rollback support for operational continuity

Audit documentation for lifecycle events, policy actions, revocation, and destruction records

HSM-backed key operations with policy-driven automation and role-based control

Standards-based integration through REST APIs, SOAP, PKCS #11, and certificate workflows

## About Us

For over 40 years, Futurex has been an award-winning leader and innovator in the encryption market, delivering uncompromising enterprise-grade data security solutions. Over 15,000 organizations worldwide trust Futurex to provide groundbreaking hardware security modules, key management servers, and cloud HSM solutions.

Futurex is headquartered outside of San Antonio, Texas, with regional offices worldwide and over a dozen data centers across five continents, Futurex delivers unmatched support for its clients' mission-critical data encryption and key management requirements.



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