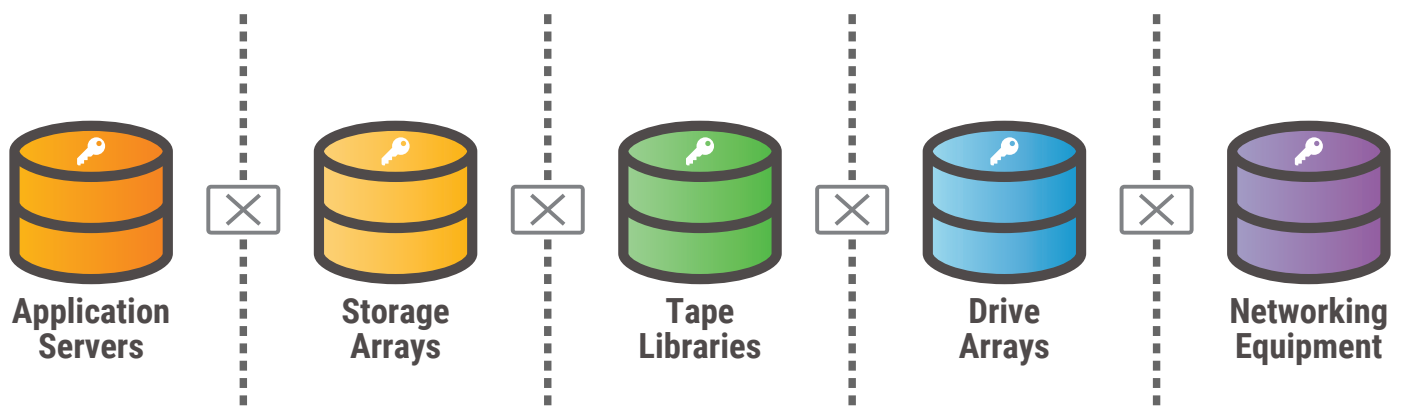




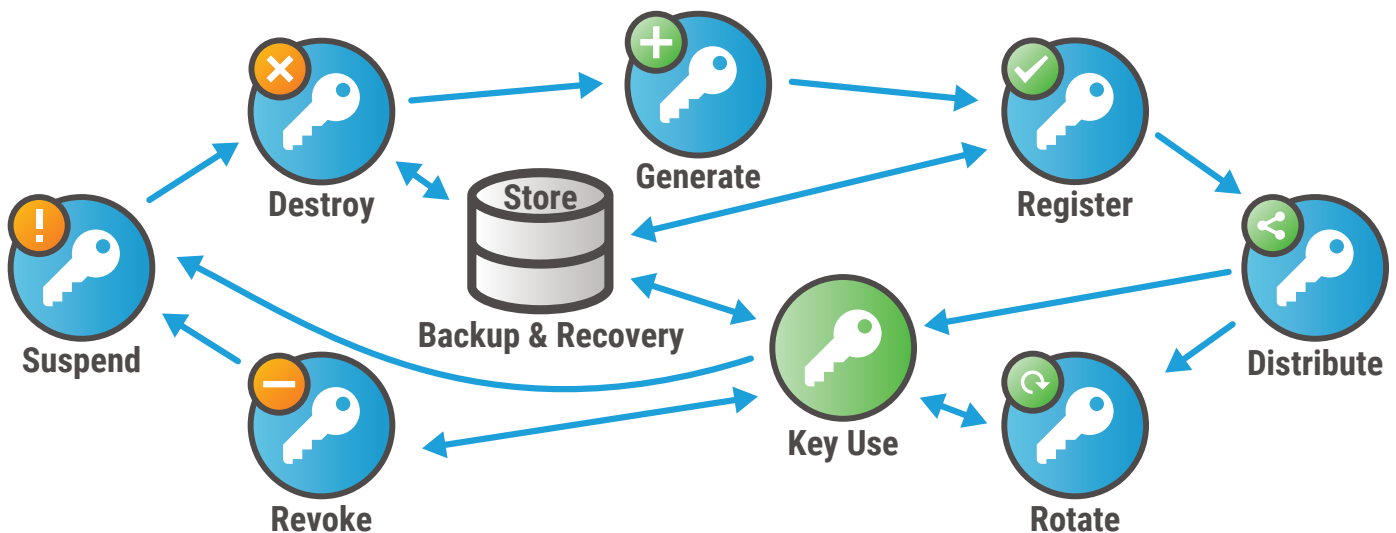
**REVOLUTIONARY CYBERSECURITY SOLUTIONS**  
TO PROTECT YOUR DATA AND CRITICAL KEYS

# Today's Key Management Is a Bottleneck

Current encryption is deployed in isolated silos across disparate business units, applications, and hardware. Without advanced key management, these silos become a **security administrator's nightmare** — consuming time, ruining budgets, and putting data at risk of compromise.



As seen below, the conventional key management lifecycle is arduous and resource-intensive, endangering your data protection goals. **What if automation and scalability could lift these burdens?** Key Orchestration is a truly nimble solution that enables the full power of encryption.

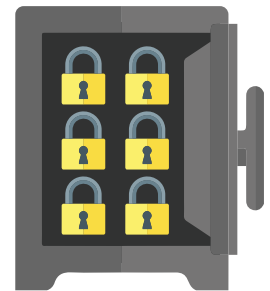




## COMBINING THE SECURITY OF THALES HSM SOLUTIONS WITH THE INTEROPERABILITY OF KEY ORCHESTRATION

# Benefits of a Secure, Orchestrated Solution

The combination of a Key Orchestration Appliance (KOA) plus nShield hardware security module offers unprecedented enterprise-grade key lifecycle management and automation capabilities in a highly-secured FIPS 140-2 Level 3 certified platform, freeing up critical talent and resources to accelerate your organization's security.



**Move from individual systems controlled manually...**

**... to automated and scalable key management ...**

**... with certified hardware security module**

### Ease of Integration

- Turnkey solution installs in minutes and enables rapid deployment and realization of benefits without disruption
- Compliance with Key Management Interoperability Protocol (KMIP) reduces costs and ensures future-proof investment
- RESTful Services integrate Key Orchestration with existing enterprise systems

### Automation & Scalability

- Granular key management down to the device and entity level
- Scalability to manage hundreds of millions of encryption keys
- Key Orchestration allows policy creation, compositions, and job execution to automate management
- Automated encryption lowers IT workload and reduces costs from attacks and breaches
- Perform all aspects of Key Orchestration through easy-to-use web interface

### Cryptographic Security

- nShield HSMs provide a hardened FIPS 140-2 Level 3 security boundary for cryptographic functions
- Certified for all leading algorithms including Suite B and elliptic curve cryptography (ECC)
- Controlled access to Fonetix web-based user interface on user privilege basis

### Delivery Methods

#### • Network-Attached HSM:

- KOA 2000 (2U) + nShield Connect (1U)
- KOA 1000 (1U) + nShield Connect (1U)

#### • Embedded HSM:

- KOA 2000 (2U) + nShield Solo (PCIe)



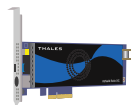
**KOA 2000**



**KOA 1000**



**nShield Connect**



**nShield Solo**