# Revolutionary Cybersecurity Solutions To Protect Your Data and Critical Keys

Combining the security of nCipher HSMs with the power of Key Orchestration

Key Management Is the Biggest Roadblock to Effective Encryption

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.
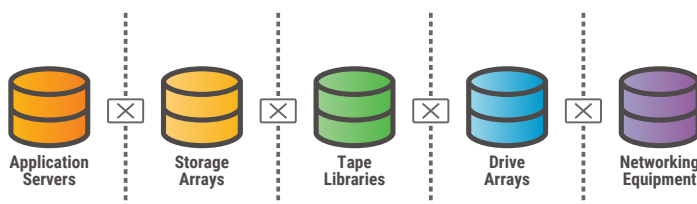
What if Automation and Scalability Could Lift These Burdens?

As seen below, the conventional key management lifecycle is arduous and resource-intensive, endangering your data protection goals. Key Orchestration is a truly nimble solution that enables the full power of encryption by automating and scheduling the most burdensome tasks of a comprehensive encryption strategy.
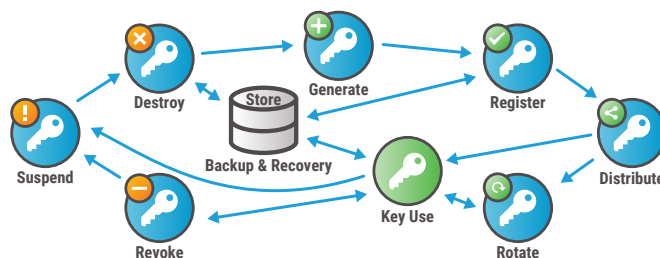
Benefits of a Secure and Orchestrated Encryption Strategy

The combination of Key Orchestration (KO) and nShield hardware security modules (HSMs) offer unprecedented enterprise-grade key lifecycle management and automation capabilities in a highly-secure 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)
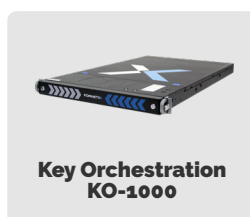- Controlled access to Fornetix web-based user interface on user privilege basis

Deployment Methods

- **Network-Attached HSM:**

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

- **Embedded HSM:**

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

Key Orchestration KO-2000

Key Orchestration KO-1000

nShield Connect

nShield Solo

About Fornetix

Fornetix Key Orchestration is a groundbreaking cybersecurity solution designed to unleash encryption's full potential by simplifying key management. Fornetix empowers organizations to build a data security strategy with encryption as the strong foundation. Safeguard sensitive information with a system backed by granular policy tools, user access controls, and powerful automation. Key Orchestration is a scalable and flexible solution that can manage hundreds of millions of encryption keys while integrating seamlessly with existing technology investments.

About nCipher

nCipher Security empowers world-leading organizations by delivering trust, integrity, and control to their business-critical information and applications.