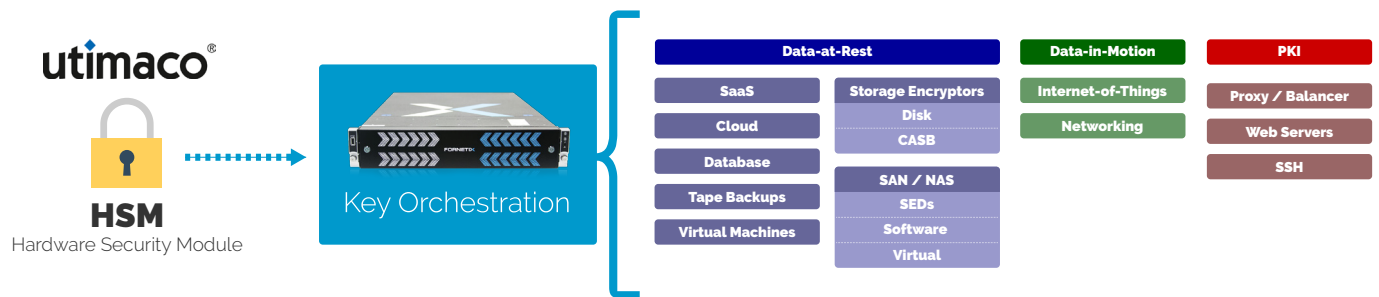


# Securing Data in Complex Architectures with Encryption Key Management

The combination of Fernetix Key Orchestration and Utimaco Hardware Security Modules (HSMs) offers unified encryption key management capabilities in a highly secured FIPS 140-2 Level 3 certified security boundary. This solution allows you to leverage the added security of an HSM with the power of a Key Management System (KMS) that centralizes governance and control of all encryption keys across the entire enterprise.



## Benefits of an Integrated Solution

- 1 INTEROPERABILITY THROUGH OPEN STANDARDS:**  
 Fernetix and Utimaco leverage the PKCS#11 API which keeps cryptographic material safe in HSMs
- 2 SECURELY STORE CRYPTOGRAPHIC MATERIAL:**  
 Adding an Utimaco HSM to Key Orchestration brings the security boundary up to FIPS 140-2 Level 3 compliance
- 3 AUTOMATION AND SCALABILITY FOR COMPLEX SYSTEMS:**  
 Key Orchestration allows policy creation, compositions, and job execution to automate management and support scaling to 100's of millions of keys

## Utimaco's Family of HSMs

The SecurityServer Se Gen2 and the SecurityServer CSe from Utimaco ensure the security of cryptographic key material for servers and applications. Both include integration software that supports the industry standard PKCS#11, Microsoft CSP/CNG/SQLEKM and JCE interfaces. These are suitable for use in numerous applications, including e.g. public key infrastructures (PKIs), database encryption, code signing, key injection, etc.

## Fernetix Key Orchestration

Fernetix 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, Fernetix 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.