



**ENTRUST**



# Increase security while reducing costs with centralized key management

**FORNETIX**

Encryption automation at global enterprise scale

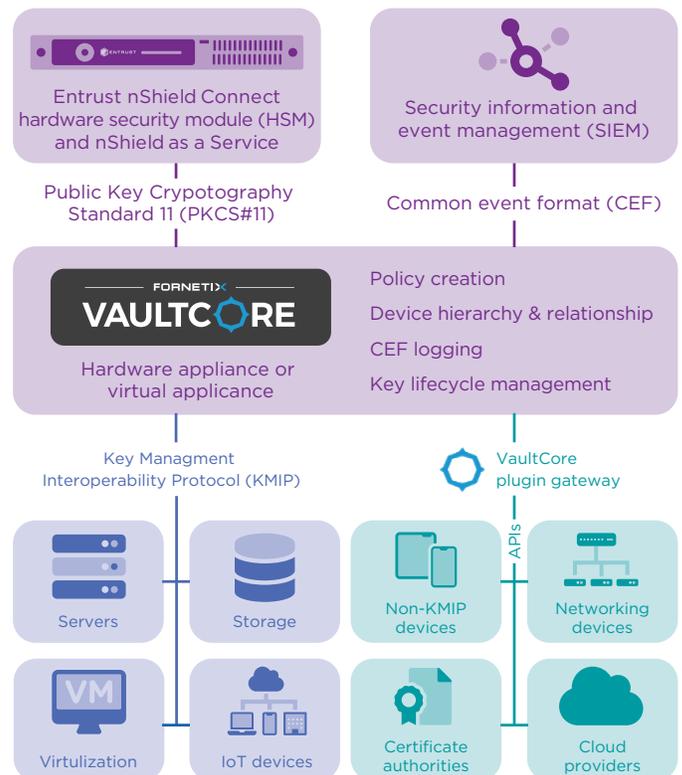
## HIGHLIGHTS

- Unify and orchestrate encryption policies across the entire infrastructure
- Reduce human error and save resources by scheduling encryption tasks
- Facilitate full auditing and logging for compliance with growing regulations
- Protect your critical assets with FIPS 140-2 Level 3 certified protection
- Futureproof encryption with scalability for hundreds of millions of keys

factoring in a loss of public trust, ever-growing regulatory penalties, and the need to rapidly rebuild security infrastructure.

## The problem: data breaches have become a daily occurrence with disastrous effects

The number of connected devices is expected to grow from 20 billion in 2020 to over 125 billion by 2030. Such a sharp rise offers bad actors a vast attack surface to infiltrate an organization's defenses. A data breach can be crippling to a company, with the true cost difficult to quantify when



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## The challenge: deploying encryption in a way that's scalable for massive growth

Nothing is truly safe unless it's encrypted. However, managing the encryption keys for such broad use of encryption has traditionally been a stumbling block for security teams. Typical enterprises utilize hundreds of unique technologies that each have their own security processes. Managing these disparate systems is often arduous, resource-intensive, and prone to human error.

## The solution: Foretix VaultCore with Entrust nShield® HSMs deliver encryption automation at the highest levels of security

VaultCore is an encryption key management solution that works seamlessly alongside nShield HSMs and nShield as a Service to secure, automate, and empower every aspect of enterprise encryption from a single platform with deployment options to fit any customer's needs. VaultCore simplifies and expedites encryption processes that were previously error prone and highly manual. Security policies across the network can be centralized and enforced from a single pane of glass. VaultCore was built with interoperability and industry standards in mind, enabling rapid integration with a broad range of technologies and services.

New data security and privacy regulations are being introduced around the globe. VaultCore facilitates compliance with regulations and standards like GDPR, HIPAA, CCPA, FIPS, Common Criteria, and PCI DSS via exhaustive logging and reporting tools that utilize CEF for easy integration with analytics and monitoring services.

## Why use Entrust nShield HSMs with Foretix VaultCore?

VaultCore is a strong foundation for security, and nShield® HSMs on premises or as a service delivers an extra layer of defense on top of the VaultCore appliance. By securing VaultCore inside the cryptographic boundary of a certified nShield HSM, critical keys are further protected from attack. Entrust nShield Connect HSMs and nShield as a Service integrate with VaultCore to provide comprehensive logical and physical protection of keys. This combination delivers an auditable method for enforcing security policies.

### Entrust nShield HSMs enable VaultCore customers to:

- Secure keys within carefully designed cryptographic boundaries that use robust access control mechanisms, so keys are only used for their authorized purpose
- Ensure key availability by using sophisticated management, storage, and redundancy features to guarantee they are always accessible when needed by the VaultCore appliance
- Deliver superior performance to support demanding security and encryption applications



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nShield Connect HSMs and nShield as a Service provide a hardened, tamper-resistant environment for performing secure cryptographic processing and key protection. With nShield HSMs combined with VaultCore you can:

- Provide a tightly controlled tamper resistant environment for safekeeping and managing encryption keys
- Enforce key use policies, separating security functions from administrative tasks
- Interface with applications using industry-standard APIs (PKCS#11, OpenSSL, JCE, CAPI, KMIP, and CNG)

## Entrust HSMs

Entrust nShield HSMs are among the highest-performing, most secure and easy-to-integrate HSM solutions available, facilitating regulatory compliance and delivering the highest levels of data and application security for enterprise, financial and government organizations. Our unique Security World key management architecture provides strong, granular controls over access and usage of keys.

## Fornetix

Fornetix understand that managing encryption in today's complex environment can seem an impossible task. That's why VaultCore offers a simplified, automated, and secure encryption key management solution designed to address security challenges arising from the proliferation of IoT, big distributed networks, and rapid cloud adoption. Fornetix' commitment to standards and interoperability enables integrations with leading technologies around the globe to provide smart and unified security solutions that bring order to the chaos of encryption management.

[www.fornetix.com](http://www.fornetix.com)

## Learn more

To find out more about Entrust nShield HSMs visit [entrust.com/HSM](http://entrust.com/HSM). To learn more about Entrust's digital security solutions for identities, access, communications and data visit [entrust.com](http://entrust.com)

To find out more about  
Entrust nShield HSMs

**HSMinfo@entrust.com**

**entrust.com/HSM**

## ABOUT ENTRUST CORPORATION

Entrust keeps the world moving safely by enabling trusted identities, payments and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.



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Contact us:

**HSMinfo@entrust.com**