# KMIP
KEY MANAGEMENT INTEROPERABILITY PROTOCOL

OASIS STANDARD

Interoperability Demonstration | RSA Exposition 2017

KMIP 1.4 (finalized release pending), KMIP 1.3 (the current standard), and KMIP 1.2 demonstrate that KMIP enables both interchange of security objects as well as provision of encryption keys and cryptographic services across a common interface through a range of versions. The RSA Conference demonstration features implementations from Cryptsoft, Fornetix, Hancom Secure, HPE, Kryptus, IBM, Oracle, Quintessence Labs, and SafeNet. Client and server implementations are demonstrating the full key management lifecycle including creating, registering, locating, retrieving, deleting, and transferring symmetric and asymmetric keys and certificates between vendor systems. Encryption key and security object management interchange between members is being demonstrated.
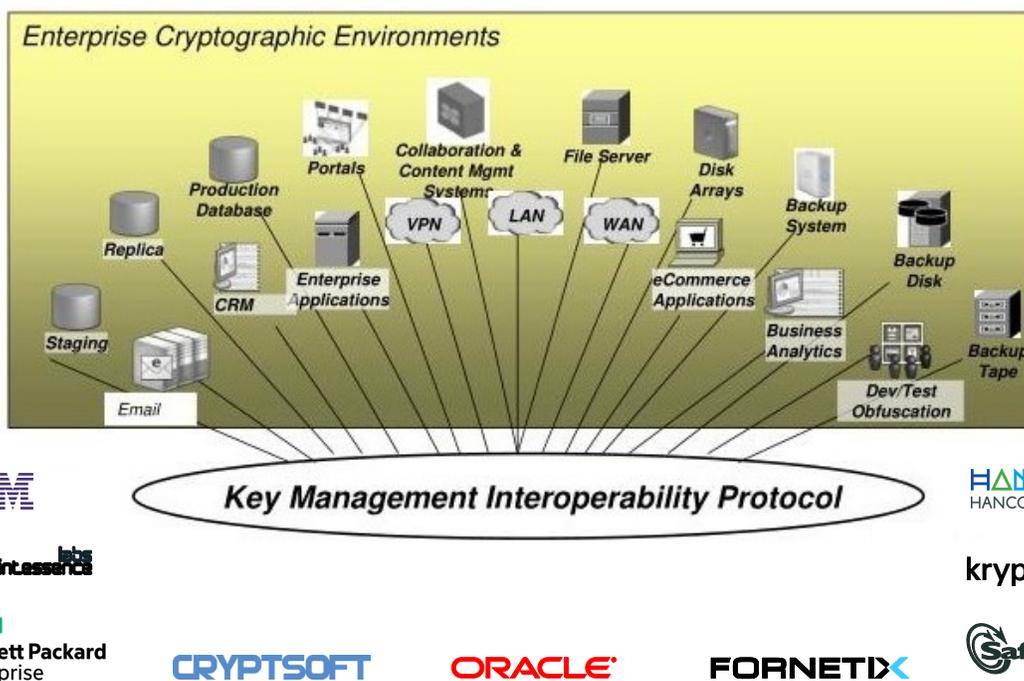
"This year's RSA Conference enables us to demonstrate both the latest work of the OASIS Technical Committees and the depth of capabilities within products that implement these standards. Demonstrating interoperability between these products live at the RSA Conference each year reinforces the reality of choice of vendor solutions for CIOs, CSOs and CTOs, enabling products from multiple vendors to be deployed as a single enterprise security solution that addresses both current and future requirements."

—Tony Cox of Cryptsoft, OASIS KMIP Technical Committee Co-chair and RSA Interop Lead

KMIP Interop Participants

Established in 1996, Cryptsoft is an Australian security firm providing specialist products and services for software and hardware developers in the areas of security system design, deployment, validation and interoperability. Cryptsoft offers a range of software development toolkits to enable the rapid integration of enterprise key management and encryption solutions into applications and systems ranging from embedded platforms through to enterprise class appliances and servers. **www.cryptsoft.com**

From core to edge and beyond, Fornetix reduces costs, improves security and removes operational complexities by automating and optimizing enterprise encryption key management services. Our Key Orchestration™ product's cornerstone functions; Policy Engine, Workflow Automation, Audit/Tracking, and Highly Scalable Architecture, interoperate and integrate easily with existing systems, network components, and encryption technologies – giving businesses a powerful platform to wield encryption as a secure data weapon – protecting all forms of data, whether at-rest or in-transit. **www.fornetix.com**

Hancom Secure is a leading security solution company providing a variety of customized security solutions such as data encryption, integrated key management, PKI-based accredited authentication, FIDO-based biometric authentication, SSO/EAM/IM, mobile security and secure coding to improve customer satisfaction. Since 1999, it has implemented safe and reliable security environments for approximately 1,050 customers in Korea and abroad. **http://en.hsecure.co.kr/en**

Hewlett Packard Enterprise is an industry leading technology company that enables customers to go further, faster. With the industry's most comprehensive portfolio, spanning the cloud to the data center to workplace applications, our technology and services help customers around the world make IT more efficient, more productive and more secure. **www.hpe.com**

IBM is one of the world's largest information technology companies, with 100 years of leadership in helping businesses innovate. IBM software offers the widest range of infrastructure software for all types of computing platforms, allowing customers to take full advantage of the new era of e-business. **www.ibm.com**

Kryptus provides cryptographic hardware that enables the secure execution of client-defined business logic and algorithms, perfect for Cloud, Blockchain and IoT applications. Along with industry standard features, we deliver reduced operational and infrastructure costs. Kryptus has more than ten years of experience in securing customers' mission-critical applications with leading-edge products and advanced hardware protection features. **www.kryptus-int.com**

Oracle engineers hardware and software to work together in the cloud and in your data center. With more than 400,000 customers—including 100 of the Fortune 100—in more than 145 countries around the globe, Oracle is the only vendor able to offer a complete technology stack in which every layer is engineered to work together as a single system. Oracle's industry-leading cloud-based and on-premises solutions give customers complete deployment flexibility and unmatched benefits including advanced security, high availability, scalability, energy efficiency, powerful performance, and low total cost of ownership. **www.oracle.com**

QuintessenceLabs a leader in quantum cyber-security, delivering solutions to secure valuable data in-transit, at-rest or in-use. Harnessing quantum science, QuintessenceLabs' products uniquely maximize security, increase ROI from existing assets and reduce data-security management complexities. Our Trusted Security Foundation combines a high speed quantum true random number generator, a powerful vendor neutral key and policy manager, and an embedded secure key store, delivering the strongest basis for your security. **www.quintessencelabs.com**

SafeNet Enterprise and Cybersecurity (part of Gemalto) solutions enable enterprises, financial institutions and governments to protect data, digital identities, payments and transactions–from the edge to the core. Our solutions take a data-centric approach to security with innovative encryption methods, best-in-class crypto management, and strong authentication and identity management to help customers protect what matters, where it matters. **https://safenet.gemalto.com**