OASIS PKCS #11 DEMO
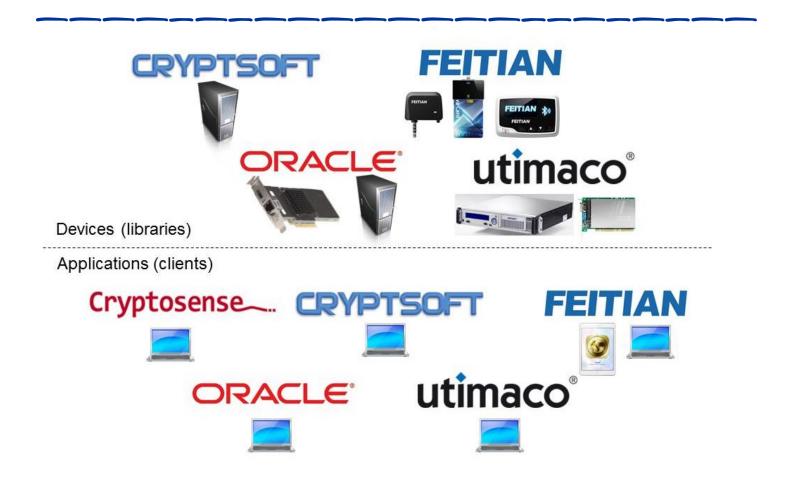## Cryptographic Token Interface

BOOTH #1921

The OASIS PKCS#11 Cryptographic Token Interface (PKCS11) specification - an application programming interface (API) for cryptographic token devices - will be demonstrated. Shown during this demonstration will be applications (clients) from Cryptosense, Cryptsoft, Feitian, Oracle and Utimaco and devices (libraries) from Cryptsoft, Feitian, Oracle and Utimaco. The demonstration will showcase vendor independent storage of cryptographic information and performance of cryptographic functions including generating, finding and using cryptographic objects including combinations of one or more symmetric keys, asymmetric keys, or certificates between vendor systems. Support for a range of versions of PKCS11 will be shown.

Visitors are welcome to stop by each kiosk within the booth to view multiple versions of PKCS #11 in practice, demonstrating the value of PKCS #11 as the standard for interacting with cryptographic devices in multi-vendor environments.

CRYPTSOFT   FEITIAN

ORACLE   utimaco®

Devices (libraries)

Applications (clients)

Cryptosense...   CRYPTSOFT   FEITIAN

ORACLE®   utimaco®

Interop Participants:

Cryptosense

Cryptosense software helps users of cryptography detect and manage security vulnerabilities, including key-management flaws, cryptanalytic attacks, implementation errors and bad configurations. In particular, the tool treats PKCS#11 devices such as HSMs and Smartcards. As well as testing a PKCS#11 device for compliance, out tools can also simulate a given PKCS#11 implementation and evaluate compatibility. Cryptosense is based in Paris and was founded in 2013. Our clients include banks, crypto hardware manufacturers and testing labs. For more information, visit http://cryptosense.com.

CRYPTSOFT

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. For more information, visit www.cryptsoft.com.

FEITIAN

FEITIAN is a public company incorporated in China and a trusted leader in the global market for contact and contactless smart cards, EMV chip cards, payment terminals, and user authentication solutions for secure online banking and transaction security. Our end-to-end turnkey solutions include secure hardware, operating systems, middleware, software application, and services such as personalization and remote lifecycle management. Established in 1998, FEITIAN has developed as an essential component in the information architecture of private and public enterprise, government, and educational institutions throughout the world. For more information, visit www.ftsafe.com.

ORACLE®

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. For more information, visit oracle.com.

utimaco

® Utimaco is a leading manufacturer of hardware based security solutions that provide the root of trust to keep cryptographic keys safe, secure critical digital infrastructures and protect high value data assets. Only Utimaco delivers a general-purpose hardware security module (HSM) as a customizable platform to easily integrate into existing software solutions, embed business logic and build secure applications. Tens of thousands of enterprise and infrastructure companies rely on Utimaco to guard IP against internal and external threats and protect hundreds of millions of consumers globally. For more information, visit https://hsm.utimaco.com.

Vormetric

Vormetric (@Vormetric) is the industry leader in data security solutions that span physical, virtual and cloud environments. Data is the new currency and Vormetric helps over 1200 customers, including 17 of the Fortune 25 and many of the world's most security conscious government organizations, to meet compliance requirements and protect what matters — their sensitive data — from both internal and external threats. The company's scalable solution suite protects any file, any database and any application — anywhere it resides — with a high performance, market-leading data firewall that incorporates application transparent encryption, privileged user access controls, automation and security intelligence. For more information, visit www.vormetric.com.

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