The PKCS#11 3.0 working draft and the current standard will be demonstrated here at ICMC 2019 by four OASIS member companies. The show technical Committee members Cryptsoft, Intel, nCipher, and Utimaco. Each member will showcase their implementation of the specification including generating, finding and using cryptographic objects with combinations of one or more symmetric keys, asymmetric keys, or certificates.

Booth visitors will be invited to view and participate in demonstrations of key and certificate usage within each of the implementations on display.

PKCS#11 is a standard for cryptographic tokens controlling authentication information (personal identity, cryptographic keys, certificates, digital signatures, biometric data). Participation is open to all. Learn more about PKCS#11, find out who participates & how to get involved.

www.oasis-open.org/committees/pkcs11
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 Intel is committed to the proliferation of a standardized approach to cryptographic tokens. In this demonstration we will be showing hardened PKCS#11 key management on Intel devices using Intel® Secure Guard Extensions (SGX) technology and the open-source library SoftHSM (a project of OpenDNSSEC). This solution provides an extensibility framework to facilitate the implementation of protected cryptographic tokens leveraging hardware security technology.

nCipher Security, a leader in the hardware security module (HSM) market, empowers world-leading organizations by delivering trust, integrity and control to their business applications, IoT, blockchain and digital payments using our cryptographic solutions secure emerging technologies to meet new compliance mandates, using the same proven technology that global organizations depend on today to protect sensitive data, network communications and emerging technologies.

www.ncipher.com

Utimaco is a leading manufacturer of Hardware Security Modules (HSMs) that provide the Root of Trust for financial services, payment to automotive, cloud services and digital infrastructures and high value data assets. Founded in 1983, today Utimaco has offices in Germany, US, UK and Singapore and its HSMs are deployed across more than 1,000 installations.

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