CEREMONY
Sécurisation des clés sur SAM

Key security on SAM

THE SAM AV3 CARD CONFIGURATION SOFTWARE

Generate your keys and securely duplicate your secrets.

Ceremony® is the software designed to manage your SAM cards for all use cases.

In expert mode, Ceremony® provides access to all configuration parameters of NXP SAM cards, including AV3.

Its user-friendly interface allows you to define the schema of your SAM cards, conduct a key ceremony, and generate cards, including via duplication.

Designed for efficient management of your SAM cards, Ceremony® handles user management and access rights, secure configuration formats, and all card activation, personalization, and locking functions.

Its duplication feature lets you easily select a subset of keys to copy, creating SAM cards with only the keys specific to one of your systems—for example, for UTL in physical access control.

Prerequisites

PC with Windows 10 or Windows 11

1 or 2 contact smart card readers

Uses a Scopus SAM card for license management

- ✓ Management of SAM cards (AV1, AV2, AV3)
- ✓ Key ceremony
- ✓ Key parameterization
- ✓ RSA key generation
- ✓ User and rights management

- ✓ Card activation
- ✓ Card personalization
- ✓ Card duplication
- ✓ Card locking

THE KEY CEREMONY

A HIGH-SECURITY STORAGE CREATION OPERATION

As part of securing a system's identifiers, the key ceremony involves securely recording encryption keys for various badge applications onto the tamper-proof medium of a SAM card.

The SAM card will subsequently be used to access encrypted information contained in user badges for various applications, such as :

- centralized or standalone access control,
- user enrollment,
- time management,
- logical identification,
- ...

As experts in implementing secure and trusted identifiers, Scopus supports you through this key ceremony operation and the preceding steps :

- ✓ **Consulting**
- ✓ **Security Audit**
- ✓ **Training on Badge Technologies**
- ✓ **Study:** Mapping of your badge and identifiers
- ✓ **Guidelines: Encoding chart**

SAM Secure Access Module

Acting as a true digital safe, the SAM card is a module that stores cryptographic keys in a confidential and highly secure manner.

Capable of achieving a security evaluation level of EAL 6+, it is designed to be nearly tamper-proof, ensuring that security information (keys) never leaves once stored.

The card features robust encryption (AES) and allows the integration of access keys (authentication and encryption keys) into MIFARE® DESFire® cards, ensuring the confidentiality of all your data.

No changes requiring access can be performed without the client being present. The client retains full control over the keys at all times.

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