

vSEC:CMS T-Series S-Edition

Advanced smart card management made easy. The S-Edition brings a totally new approach to smart card lifecycle management. Now you can implement an advanced and feature-rich smart card management system with these attributes:

- *Implementation takes minutes, instead of months*
- *Intuitive user interface to improve operational efficiency*
- *No hidden costs and low total cost of ownership*
- *The security level is always high, no alternatives*
- *Large scale capabilities, available from day one*

Smart Card Management

Smart cards are secure devices that are used for many purposes. The most important purpose for the enterprise security market is as combined identification badges. For professional smart card use the smart cards must be managed during the full smart card lifecycle.

Personalization tasks include setting PIN codes, setting policies, loading certificates, provisioning and setting management keys. Management tasks include unblocking PIN codes, setting new PIN codes, renewing and issuing new certificates. Revocation is generally the end of the smart card lifecycle, but it could also mean that the card can be personalized again. All these tasks and many more are handled by the vSEC:CMS smart card management system.

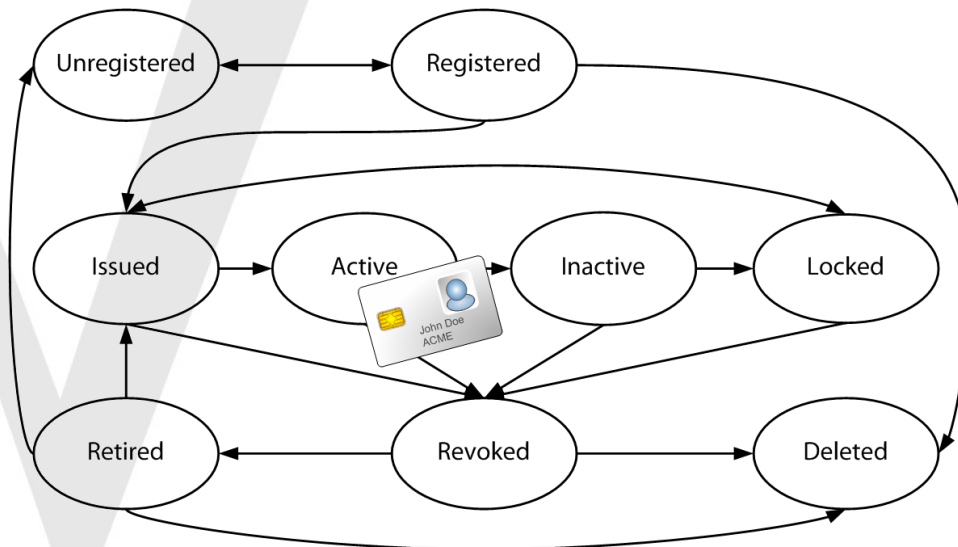


Figure 1: vSEC:CMS T-Series S-Edition Graphical Interface

Smart Card Lifecycle

All smart card operations within vSEC:CMS T-Series focus on the lifecycle of the smart cards. To graphically visualize the lifecycle, a state diagram is used. This state diagram always informs the operator what state the selected smart card is in, and available actions/processes from this state. The same diagram is also used by the administrator when configuring the processes.

Fast Installation, High Security, No Dedicated Servers, Low TCO

The vSEC:CMS T-Series S-Edition is an innovative, easily integrated and cost effective smart card management system that helps you deploy and manage smart cards within your organization. The vSEC:CMS T-Series S-Edition is client-server based. It streamlines all aspects of smartcard management by easily connecting to enterprise directories, certificate authorities, smart card printers, external databases, physical access control systems, etc. The S-Edition has been designed for having several operators and users working in parallel without a need for synchronization and each operator only needs to have access to the operator application and the operator's operator smart card.

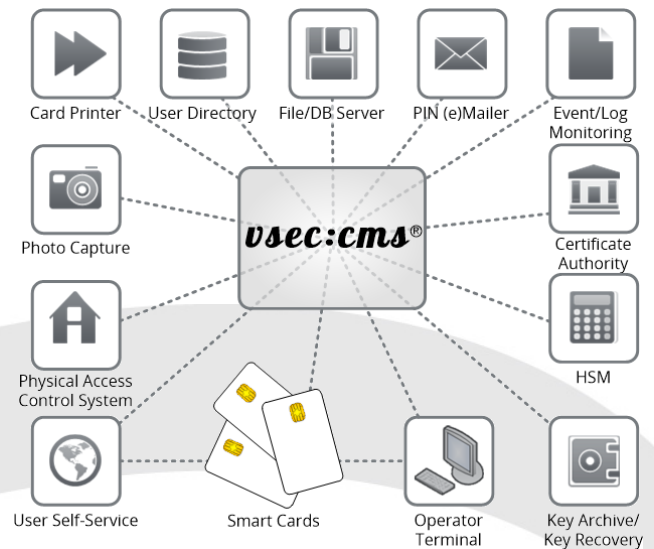


Figure 2: Connections

Technical Specifications

Operating Systems

Client/Operator/User Self-service:

- MS Windows 7, 8, 2008, 2012

Server:

- MS Windows 2008, 2012

Smart Cards

- Gemalto .NET, .NET BIO, IDPrime PIV & MD
- Raak Technologies C2
- Morpho ypsID S2
- Athena CNS & IDProtect
- Safenet eToken PRO
- ACS ACOS5-64 & Cryptomate64
- Oberthur Authentic, IAS ECC & PIV
- Feitian ePass2003 Token
- Avtor CryptoCard337
- HID C200, C1150
- Taglio C2, PIVKey
- MS Win8+ Virtual smart cards
- Mifare DESFIRE EV1
- MS Minidriver enabled cards

Card Features

- Printer support
- PIN mailers (both email and regular mail)
- Contactless

Smart Card Readers

- PC/SC reader

Compatibility

- User directory: MS AD and LDAP v2/v3
- Card DB: SQL comp or local file
- Certificate Authority: MS CA, Entrust, Symantec MPKI and EJBCA
- MS event handler
- Migration path to and from MS FIM/CLM
- Upgrade path from vSEC:CMS K-Series
- Upgrade path from Gemalto IDAdmin 100/DAS
- vSEC:CMS Plugin API

Security Features

- Secure key storage
- Secure backup and synchronization of databases
- Disaster recovery for stolen/lost tokens
- Encrypted audit log
- Granular access control
- Approval work flows
- Connects logical and physical access control
- Key archival and key restore processes
- Support for fingerprint template management

Performance

- The system is tested and is functional with 100 000 registered user smart cards and 50 parallel operators interacting with the system