vSEC:CMS S-Series

Advanced smart card management made easy. Versasec's vSEC:CMS S-Series introduces a new approach to smart card lifecycle management. Now, enterprises can implement an advanced and feature-rich smart card management system offering a variety of important benefits:

- *Fast implementation that takes minutes, rather than weeks or months*
- *Intuitive user interface that improves operational efficiency*
- *No hidden costs and low total cost of ownership*
- *Consistently high security level without exception*
- *Large scale capabilities, available from day one*

Smart Card Management

Smart cards are secure devices that are used for many purposes, with perhaps the most important being as combined identification badges for enterprises. With all professional smart card use, the cards must be managed across the entirety of the smart card lifecycle. At the base level, personalization tasks include setting PIN codes, setting policies, loading certificates, provisioning and setting management keys. At the management level, tasks include unblocking PIN codes, setting new PIN codes, and renewing and issuing new certificates. Revocation typically ends the smart card lifecycle, but it is also the point when the card can be personalized again. All of these tasks and many more are handled by the vSEC:CMS smart card management system.

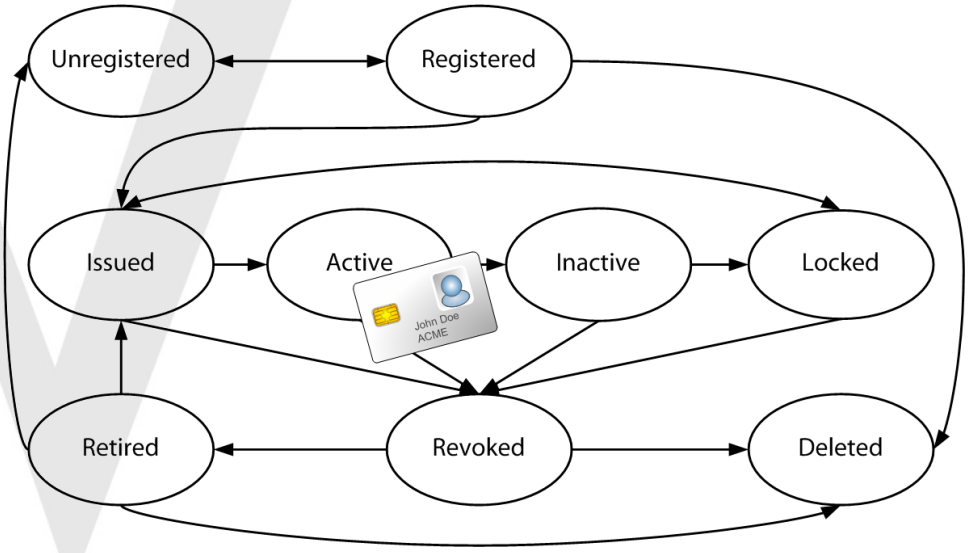

Figure 1: vSEC:CMS S-Series Graphical Interface

Smart Card Lifecycle

All smart card operations within vSEC:CMS focus on the smart card lifecycle. We use a state diagram to graphically visualize the lifecycle; the diagram clearly shows the operator each card, its location in the lifecycle 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 S-Series is an innovative, easily integrated and cost-effective smart card management system that helps organizations deploy and manage smart cards quickly and efficiently. The vSEC:CMS S-Series 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, and more. The S-Series is designed for several operators and users working in parallel without a need for synchronization; each operator requires access to the operator application and the operator's operator smart card only.

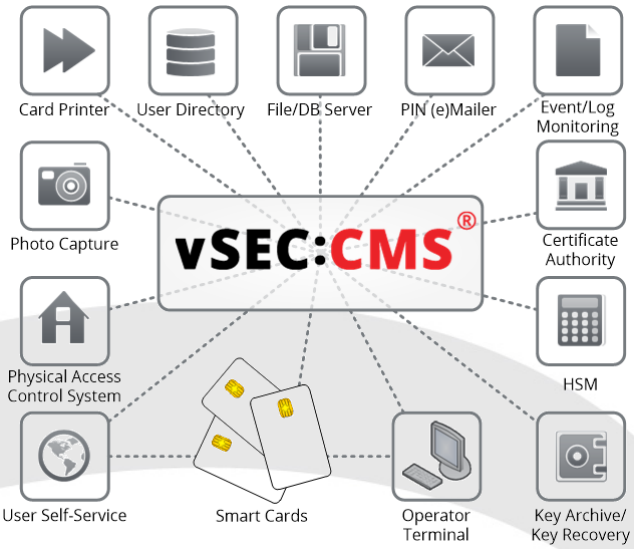

Figure 2: Connections

Technical Specifications

Operating Systems

Client/Operator/User Self-service:

- MS Windows 7, 8, 10, 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 for graphical personalization
- PIN mailers (both email and regular mail)
- Contactless RFID interface
- Batch processing

Compatibility

- User directory: MS AD and LDAP v2/v3
- Card DB: SQL comp or local file
- Certificate Authority: MS CA, Entrust, Symantec MPKI, EJBCA, neXus PKI and Verizon UniCERT CA
- HSM: Gemalto SafeNet Luna, Utimaco HSM and Engage BlackVault
- Migration path to and from MS FIM/CLM
- Upgrade path from vSEC:CMS K and T-Series
- Upgrade path from Gemalto IDAdmin 100/DAS
- vSEC:CMS Plugin API, Scripting, WebStart

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