

CCMS Comsign Card Management System



A system for issuing and managing digital certificates and smart cards used for authentication and digital signatures.

Comsign Card Management System

In large organizations, issuing and managing all employee badges and their permissions in a simple, flexible, and modular way is crucial to prevent security breaches, identity theft, and unauthorized access to company systems and physical facilities.

Comda Group is currently the only group in Israel offering a smart system for that allows organizations to fully manage their own card system. Furthermore, the system allows for managing access permissions, down to the individual employee level, and facilitating the integration of various applications on a single smart card.

Main components

Monitoring and Alerts

- Certificate expiration alerts
- Automated scanning of all network certificates
- Complete PKI system management and control
- Automatic certificate renewal
- Reports and statistics

Interfaces

- HSM components
- Access control systems
- International CA providers
- Human resources systems

Acquisition and Management

- Contactless cards
- Digital certificates and smart cards
- Card printers
- Magnetic cards
- Acquisition of biometric and FIDO devices

CCMS Capabilities:

Interfacing with AD to issue certificates to existing users.

Managing various types of smart cards and their organizational attribution.

Unlocking blocked cards.

An RA system for issuing digital certificates for identification and digital signatures.

Cancelling certificates by the Sys Admin of the system.

Issuing certificates from the corporate CA and embedding them on smart cards.

Scanning and updating the status of digital certificates directly in AD (externally).

Performing DESFIRE component coding, PROX ID reading, and magnetic stripe coding.

Combining multiple fields into a single field and compiling a required value (including AD fields).

Interfacing with organizational systems to issue certificates to system users.

Managing logs and retrieving reports and statistics.

CCMS Key Advantages

- **One system** to replace multiple systems distributed within the organization.
- **Integrating digital certificates** - The system issues logic chips and digital certificates
- **Integration of contactless access** permissions (Prox/DesFire) through various applications, files, and dedicated keys.
- **Flexibility** to implement partial /full system components and separate organizational authorities and processes.

Integration
C

- **Supporting RSA/ECC keys** in every existing key size (requires ECC key transition)
- **Support for FIDO** authentication methods

Readiness for
the Future
M

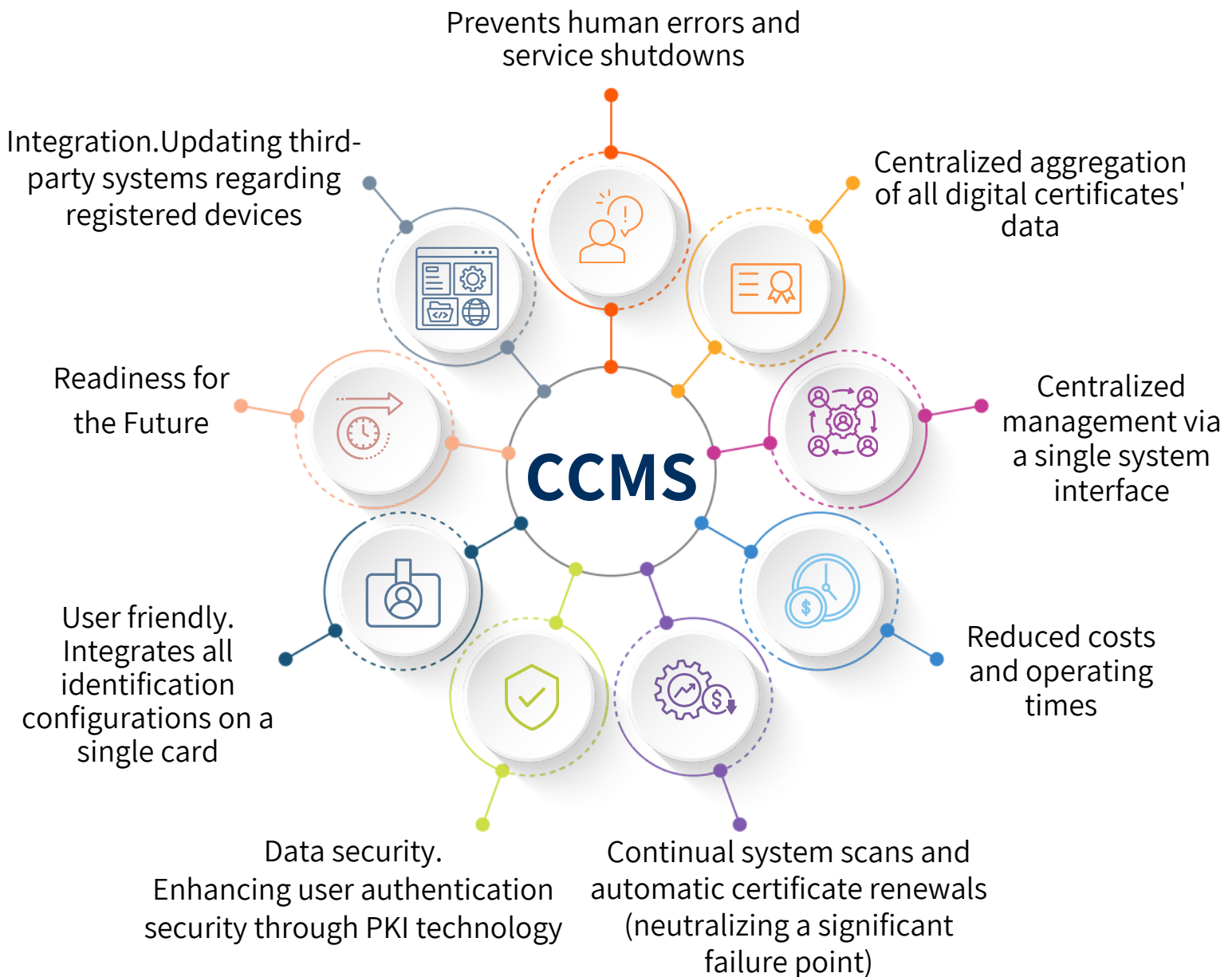
- Produces designated **admin keys** by card
- **Detects initial usage** of an unlocked card
- **Initial PIN setup** on card (locked card/personal password/fixed password)
- **Unlocks** card for use

Information
Security
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S
Organizational
independence

- **Friendly and flexible GUI** that allows fields to be defined independently
- **Complete organizational control** over the system configuration
- **Tailored Configurations** - A Comda Group system can be customized according to customer requirements.

CCMS additional advantages:



Solutions to Challenges

Control

Offer clients complete independent control.

Information Protection

Maintain secret keys exclusively within the organization!

Permissions

Assign different permissions to various system users.

Connectivity

Synchronize with different user groups defined in the organization (Active Directory).

Dynamic

Issue cards with different profiles for diverse user populations.

Monitoring and Control

Scan the entire network and control all issued certificates.

Uniform Management

Implement a central All-In-One management system.

Logs and Reports

Centralized control and monitoring of the systems

Modularity and Scalability

Utilize system components for issuance and management on a central/decentralized site.

Importing signatures using an Excel file

Save time of manually entering the details into the system.

Total Security

Manage both physical and logical security of the card, from issuance, through use, to card cancellation.