

# CertM.

Certificate Manager



**A Centralized  
Management System**  
for organizations' digital certificates

# Certificates Lifecycle Management System **CertM** Certificate Manager

## Managing the organization's digital certificates is a challenging task



Inability to manage existing certificates and their status



Inactivity of services and systems



Using manual processes causing problems

**CertM performs an automatic scanning process, which updates the validity of all certificates through a central PKI management system.**

### The central management system responds to challenges :

- Using digital processes instead of error-prone manual processes.
- Digital certificates and smart cards
- Detecting and viewing existing certificates and their status
- Maintenance optimization and efficiency
- Centralized system for managing PKI infrastructures
- Automation throughout certificate lifecycles
- Automatic certificate renewal
- Integration with HSM components
- Certificate expiration alerts
- Integration with international CA providers
- Integration with the organizational CA

# Functionality **CertM**

Certificate Manager 

## Monitoring and Alerts

- Reports and statistics
- Filtering and screening to generate reports based on required criteria
- Certificate expiration alerts and warnings, to facilitate timely action
- Logs collected by monitoring systems through SNMP/SYSLOG

## HSM Component Integration

- Secure key storage in a dedicated physical device (HSM) with partitioning capability
- Key storage for various purposes: SSL, Code Signing, Client Authentication, Docker Container
- ComSign KSP service on servers/endpoints for communication with the central KSP Server
- Uses Reference for central HSM
- Automatic creation of a KDC authentication certificate (for LOGON) from the central HSM using ADCS

## Interfaces

- System is On-Prem/SaaS
- Integrates with several CAs
- Integrates with organizational CA services (supports MSCA/EJBCA)
- Integrates with external CA services (DigiCert)
- Integrates with third-party systems

## CA and Network Scanning

- Network scanning and status display of all existing digital certificates (including IIS, Apache, F5, Imperva, GigaMon)
- Verification of certificates installed on system-linked CAs
- Automatic search for certificates installed on the organizational network
- Direct scanning via an Enrollment Agent
- Certificates catalogued by the components in which they are embedded: protocols, IP addresses, ports, URLs, and more.

## Central Management

- Easy-to-use and Intuitive Control Screen (WEB) for management
- Issues various digital certificates such as SSL, Authentication, etc.
- Digital certificate creation, configuration, signing, and issuance
- Display of all network certificates, with advanced filtering options
- Automatic certificate renewal close to expiration date (configurable)
- Alerts to system manager (via email/SMS) regarding expiring certificates
- Revocation/suspension of digital certificates
- Certificate display/download
- Full resilience

- Integrates with HSM components (given CSP)
- Integrates with AD
- Integrates with data security and monitoring systems
- Integrates with external DB
- REST/SOAP API

## 1. CA and Network Scanning

- Network and CA scanning to detect all network digital certificates
- (SSL/TLS, SSH, Mobile, Kubernetes, WiFi & VPN)
- Direct scanning via an Enrollment Agent
- Integrating with Private/Public CAs
- API for interfacing with third-party systems
- Integrating with AD

## 2. Automation

- Automatic digital certificate renewal
- Certificate expiration alerts
- Automated action configuration via API

## 3. Display

- All the organization's digital certificates centralized on a single screen
- Comprehensive display of all existing digital certificates on the network
- Comprehensive display of all existing digital certificates on all CAs
- Current status of every digital certificate throughout its lifecycle

## 4. Management and Monitoring

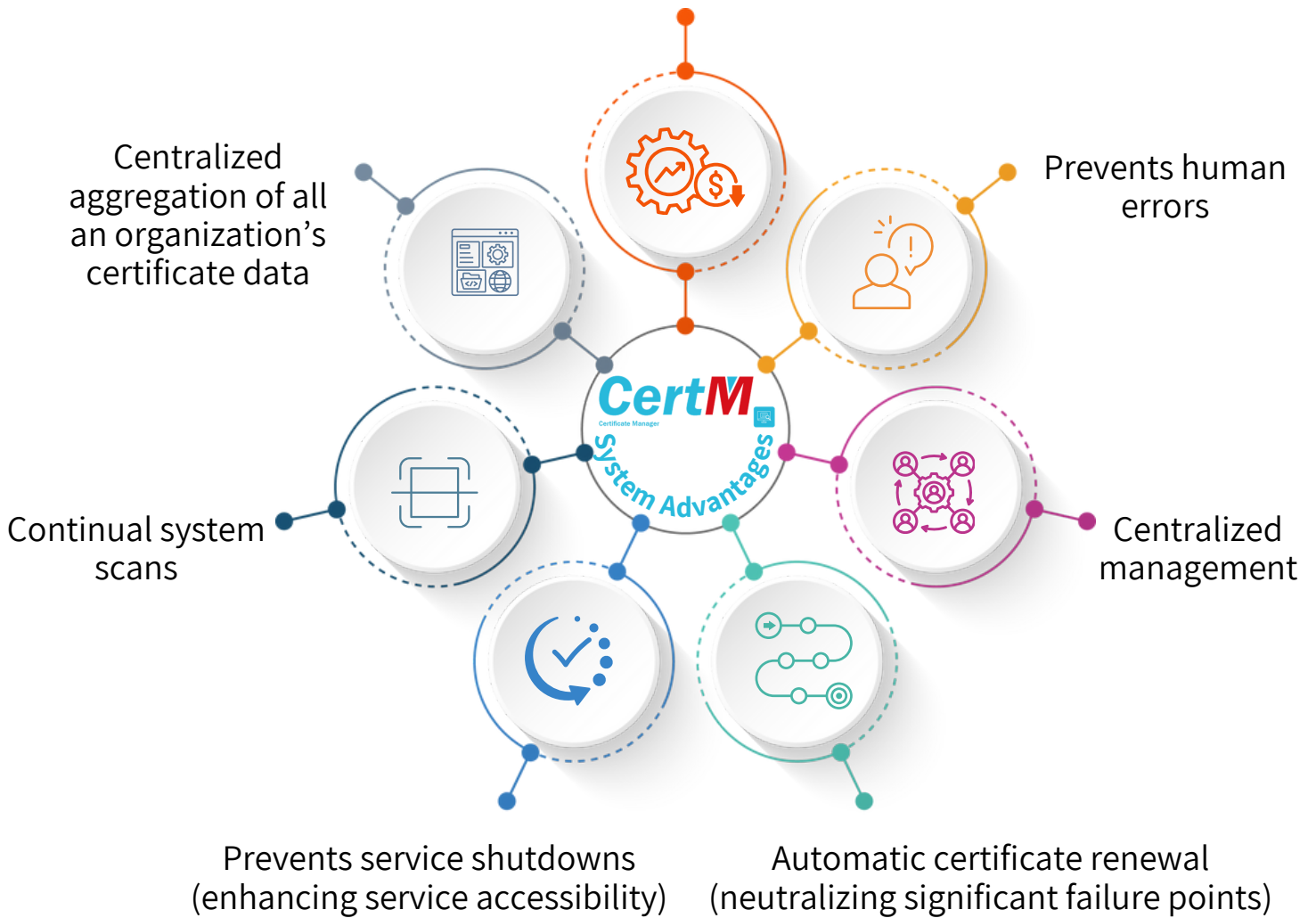
- Digital certificate lifecycle management
- Search/filter/sort based on required criteria
- Revocation/suspension of digital certificates
- Manual/automated management

## 5. Reporting

- Digital certificate filtering by CA
- Filtering based on protocols/ports/devices and more
- Reports and statistics
- Alerts and warnings

# System Advantages

Reduced costs and operating times



# CONTACT US



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