

Versasec vSEC:CMS and Entrust CA Gateway

THE CHALLENGE:

Public Key Infrastructure (PKI) has become increasingly popular and important thanks to its superior authentication and security. PKI establishes the identity and authentication of users and devices within enterprises by providing a certificate authority (CA) issued key pair to each user.

Managing user credentials with certificate issuance manually requires expertise, time and tools. It also puts the devices, private keys, and the PIN codes at risk. Moreover, there is no way to audit tasks performed with the devices, keys and PIN codes. This is not a viable option for most enterprises. A credential management system (CMS) removes the manual layer while eliminating cybersecurity threats. It also provides many other benefits, such as full lifecycle management, a connection to the CA, user self-service, automation, renewals, secure PIN unblock procedures and more.

THE SOLUTION:

Versasec's flagship product, vSEC:CMS Credential Management System, enables administration and management capabilities for credentials in a secure and convenient way. The product suite consists of software solutions that meet every organization's requirements and policies for managing physical and virtual smart cards, USB tokens, Windows Hello for Business, RFID devices, corporate badges or tokens with PKI, PIV or FIDO capabilities. The complete list of supported credentials can be found here: <https://versasec.com/products/supported-smart-cards>

The integration of Versasec vSEC:CMS with Entrust CA Gateway brings world-class PKI security—required for strong authentication for physical and logical access of smart cards, USB tokens and virtual credentials—into one solution. The vSEC:CMS system has a tight integration with Entrust CA Gateway. Together, vSEC:CMS and Entrust's PKI platform services provide support for a wide variety of security use cases from secure email, Wi-Fi device authentication, secure remote access to mobile device management, document signing, and strong web authentication.



Key Benefits

- Quick to implement – takes minutes, rather than weeks or months
- Large-scale capabilities, available from day one
- Complements industry standard protocols, like SCEP, EST and CMPv2 to centralize management of devices and credentials
- Integrates certificate operations and reporting into an organization's existing business



HOW IT WORKS:

The vSEC:CMS S-Series is client-server based. It streamlines all aspects of token management by connecting to other components of the PKI system, such as the Entrust CA Gateway, user directories, hardware security modules (HSMs), smart card printers, physical access systems and more. Credential and certificate lifecycle tasks are automated for reliable and easy management. Together, Versasec vSEC:CMS and Entrust CA Gateway provide flexible capabilities for certificate lifecycle automation, integration, and expansion to new use cases.

WORKING TOGETHER:

Entrust CA Gateway is a lightweight and container-based module implementing a CA-agnostic certificate lifecycle and policy management API. Using Entrust CA Gateway, vSEC:CMS provides the certificate issuance, renewal, and revocation actions across Entrust PKI. It provides policy retrieval capabilities that ensure certificate actions conform to organizational policies.

The Versasec and Entrust solution is easy to use while providing maximum security, advanced customization options and reliability:

- 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
- Large-scale capabilities, available from day one
- Wide range of customization options

About Versasec

Versasec is the leading provider of state-of-the-art, highly secure identity and access management solutions. With its flagship product, vSEC:CMS, Versasec eases the deployment of physical and virtual smart cards for enterprises of any size. Versasec's solutions enable its customers to securely authenticate, issue and manage user credentials more cost effectively than other solutions on the market.

Versasec maintains its mission of providing solutions that are affordable and easy to integrate, coupled with first-class support, maintenance, and training.

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About Entrust

Consumers, citizens, and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-gov services, or logging onto corporate networks. Entrust offers the trusted identity and secure transaction technologies that make those experiences reliable and secure. Solutions range from the physical world of financial cards, passports, and ID cards to the digital realm of authentication, certificates, and secure communications. With more than 2,500 Entrust colleagues around the world, and a network of strong global partners, the company serves customers in 150 countries worldwide.

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