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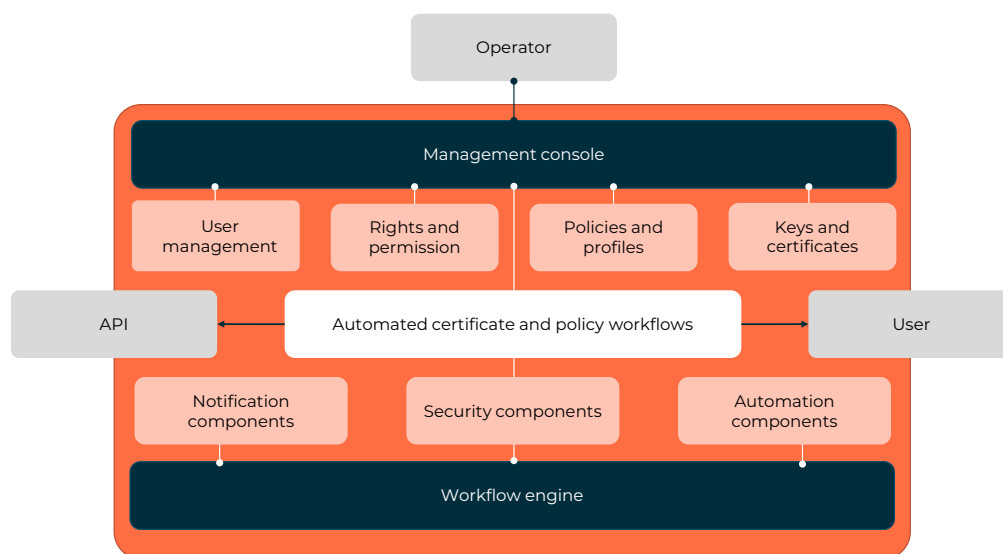## cryptovision Shalott

PKI management with workflow functionality

In an increasingly digitized world, businesses and government agencies face the challenge of protecting sensitive information and data from the dangers of the digital world. Cyber-attacks, data leaks and unauthorized access are just some of the risks that need to be managed. Considering holistic PKI management workflows, cryptovision Shalott helps to build, manage and execute resilient PKI lifecycles. Discover the benefits of a secure and efficient solution that helps you manage the threats of the digital world and protect your organization in the digital age.

Management console

Cryptovision Shalott has a graphical user interface that allows users to interact with the software. The user interface provides functions to manage encryption options, access rights, workflow settings and other relevant configurations.

Key module

Cryptovision Shalott contains a key handling aspect that enables the generation, storage and management of cryptographic keys. This includes key pair generation, the assignment of keys to users or devices, secure key exchange, as well as the management of certificates.

Workflow engine

Cryptovision Shalott is equipped with a workflow engine that enables the definition, execution and management of workflows. The workflow engine controls the flow of tasks executed within a workflow and manages the task statuses, process transitions and user interactions.

Security components

Cryptovision Shalott also includes various security components to ensure data integrity and security. These include user identity verification mechanisms, access control, audit trails and encryption technologies.

Integration interfaces

Cryptovision Shalott provides interfaces for integration with other systems and applications. The Dir connector is responsible for building and managing a direct connection to the Active Directory. The CA connector ensures the connection of external CAs. For this purpose, a connection to D-Trust is established via the Cooperative Management Protocol (CMP). This enables the seamless integration of cryptovision Shalott with existing workflow management systems, business applications or communication platforms.

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Cryptovision Shalott enables organisations to securely manage a PKI environment and to efficiently control the certificate lifecycle in a workflow environment.

Cryptovision Shalott workflow engine

The workflow engine is the first major building block of cryptovision Shalott. It provides the following key features:

- **Flexibility**: The workflow engine allows organizations to design workflows tailored to their specific needs, providing flexibility in adapting to different processes and requirements using BPMN.
- **Encryption and security integration**: The workflow engine seamlessly integrates encryption and security features, ensuring that sensitive data within workflows is automatically encrypted and decrypted.
- **User interaction and authorization**: Authorized users are actively involved in workflows when actions are required, and can interact with them to grant approvals and bring about decisions.
- **Automated escalations and notifications**: The workflow engine includes automated escalation and notification features to prevent workflow delays.
- **Monitoring and analytics**: The capability to monitor workflow progress through the workflow engine helps organizations gain insights into their processes, identify bottlenecks, and make data-driven improvements.
- **Scalability**: The engine can handle growing workloads and adapt to changing organizational needs.
- **Standard compliance**: The engine assists organizations in complying with security standards.

Cryptovision Shalott management console

The management console, which represents the second major building block of cryptovision Shalott, provides the following key features:

- **Centralized management**: The management console provides a central web-based interface for efficient management.
- **Permission control**: Operators have granular control over permissions and access rights.
- **Enhanced workflow efficiency**: The workflow engine improves workflow efficiency, making it easier for users to interact with the cryptovision Shalott software.
- **User management**: The management console offers robust user management features, allowing operators to create, edit and manage user accounts while defining their access rights.
- **Security policies**: The management console enables the implementation of security policies, including encryption algorithms and password rules, to enhance data security.
- **Key management**: Administrators can generate, store, distribute, and manage cryptographic keys, ensuring data integrity and confidentiality.
- **Monitoring capabilities**: The management console facilitates monitoring activities such as event logs, audits, and reporting for compliance purposes, ensuring transparency and accountability.
- **Seamless Integration**: Cryptovision Shalott supports integration with other systems through interfaces and APIs, enabling easy integration into existing IT environments and workflows.

Supported systems

- RedHat 8

Supported databases

- PostgreSQL

Supported browsers

- Google Chrome
- Firefox
- Microsoft Edge

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