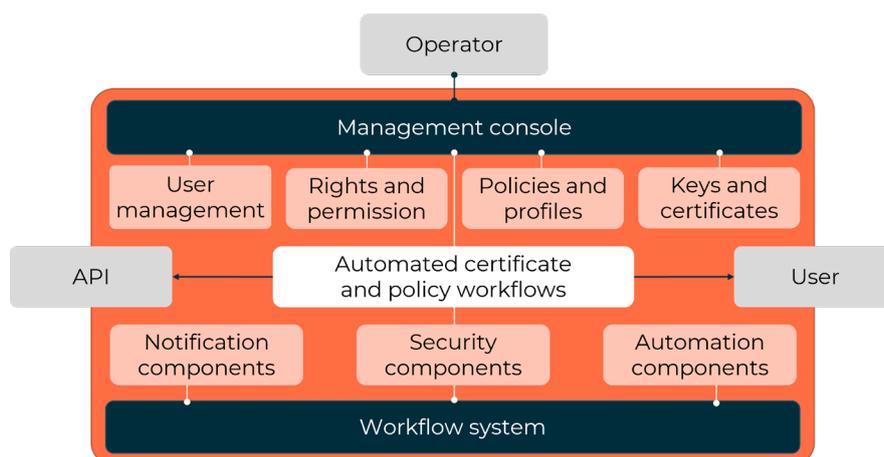




Eviden PKI Workflow Engine

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. Cyberattacks, data leaks and unauthorized access are just some of the risks that need to be managed. Considering holistic PKI management workflows, Eviden PKI Workflow Engine 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.



Effortless certificate lifecycle management

One of the key advantages of Eviden PKI Workflow Engine is its ability to fully automate the certificate lifecycle. After a one-time setup, users no longer need to manage their certificates—renewals, revocations, and re-issuances occur seamlessly in the background. This reduces administrative overhead, minimizes human error and expiration risks, and ensures continuous security and compliance while users focus on their core tasks.

Management console

The management console is the graphical user interface of Eviden PKI Workflow Engine. It provides functions to manage encryption options, access rights, workflow settings and other relevant configurations.

Key module

This module supports the generation, storage, and management of cryptographic keys, including key pair generation, assignment of keys to users or devices, secure key exchange, and certificate management.

Workflow system

This component defines, executes and manages workflows. It controls the flow of tasks executed within a workflow and manages the task statuses, process transitions, and user interactions.

Security components

The security components ensure data integrity and security. These include user identity verification mechanisms, access control, audit trails and encryption technologies.

Integration interfaces

Standardized integration interfaces allow user information to be easily integrated and synchronized via Entra ID or Active Directories. Connections to external CAs can also be implemented easily. For this purpose, a connection to D-Trust is established via the Cooperative Management Protocol (CMP). This enables the seamless integration of Eviden PKI Workflow Engine with existing workflow management systems, business applications, or communication platforms.

Eviden PKI Workflow Engine enables organisations to securely manage a PKI environment and to efficiently control the certificate lifecycle in a workflow environment—with the added benefit that end users can rely on fully automated certificate handling.

Workflow system

The workflow system is the first major building block of Eviden PKI Workflow Engine. It provides the following key features:

- **Flexibility:** The workflow system 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:** Encryption and security features can be seamlessly integrated, 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 make decisions.
- **Automated escalations and notifications:** The workflow system includes automated escalation and notification features.
- **Monitoring and analytics:** The capability to monitor workflow progress helps organizations gain insights into their processes, identify bottlenecks, and make data-driven improvements.
- **Scalability:** Growing workloads can be handled and adapted to changing organizational needs.
- **Standard compliance:** Eviden PKI Workflow Engine assists organizations in complying with security standards.

Management console

The management console, which represents the second major building block of Eviden PKI Workflow Engine, provides the following features:

- **Centralized management:** It includes a central web-based interface.
- **Permission control:** Operators have granular control over permissions and access rights.
- **Enhanced workflow efficiency:** Workflow efficiency is improved, making it easier for users to interact with the Eviden PKI Workflow Engine software.
- **OpenID Connect:** OpenID Connect (OIDC) support enables authentication, including integration with Microsoft Entra ID.
- **User management:** Robust user management features allow operators to create, edit and manage user accounts while defining their access rights.
- **Security policies:** Security policies can be configured, including encryption algorithms and password rules.
- **Key management:** Administrators can generate, store, distribute, and manage cryptographic keys.
- **Monitoring capabilities:** Monitoring activities such as event logs, audits, and reporting for compliance purposes are supported, ensuring transparency and accountability.
- **Seamless integration:** Integration with other IT environments and workflows through interfaces and APIs is easily possible.

Supported systems

- Red Hat Enterprise Linux 8 (x86_64)
- Red Hat Enterprise Linux 9 (x86_64)
- Oracle Linux R8 (x86_64)
- Oracle Linux R9 (x86_64)

Supported databases

- PostgreSQL 13.9 (or later)
- H2 2.1.210 (or later)

Supported browsers

- Google Chrome 90 (or later)
- Mozilla Firefox 102 (or later)
- Microsoft Edge 120 (or later)

More information:

