



NFQES

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ISO
9001

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27001

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22301

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14001

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NFQES Enterprise RA

Solution supporting registration authorities in certificate issuance.

Product Sheet – NFQES Enterprise RA

NFQES Enterprise RA is a software solution designed to support Registration Authorities (RA) in issuing both qualified and non-qualified certificates.

It represents a comprehensive workflow platform covering the entire process from request creation to secure submission to the Certification Authority (CA) and subsequent certificate lifecycle management.

Purpose of the Solution

- Support for issuing qualified and non-qualified certificates
- Automation of registration authority processes
- Management of the lifecycle of requests and certificates
- Secure integration with the Certification Authority (CA)
- Full auditability and traceability of operations

NFQES Enterprise RA acts as a central process module between:

- Applicant / Operator
- Registration Authority
- Certification Authority (CA)
- External systems (IS, ERP, DMS, IAM)



- CRL and OCSP services

Key Functionalities

Data Management

- Registration and management of applicants
- Management of contact and identification data
- Management of entities and organizational units
- Evidence management (ID documents, biometrics, attachments)
- Document management and submission to external systems
- Audit trail recording

Request Lifecycle Management

The system provides full process lifecycle management:

- creation of certificate issuance requests
- creation of certificate renewal requests
- data modification
- certificate revocation
- status management

Each process is controlled by a configurable workflow engine.

Integration with Certification Authority (CA)

- submission of certificate issuance requests
- certificate revocation handling
- communication with CRL services
- validation via OCSP
- certificate status synchronization

Audit, Reporting, and Security

- Complete audit trail: who performed what, when, and how
- Tracking of status and data changes
- Generation of audit reports



- Electronically signed audit logs
- Role and permission management

The system ensures full traceability and legal evidential value of all processes.

User Roles

- RA Operator – request processing
- RA Approver – validation and approval
- RA Administrator – system and workflow configuration
- Auditor – audit log inspection
- Organizational Approver

Characteristics

- **Support for Qualified Electronic Signatures (QES)**
- **Access to functionalities via standardized APIs** (REST API)
- **Security compliant with eIDAS and Slovak legislation** – meets the requirements of Regulation (EU) No. 910/2014 (eIDAS)
- **Robust integration** – compatible with any Certification Authority
- **Multi-instance support** – high availability and reliability through scalable architecture

Operational and System Requirements

- Compatibility with RHEL, Oracle Linux, Ubuntu Linux, and Windows
- Support for relational databases: MySQL, MariaDB, PostgreSQL, Oracle, SQLite, or built-in databases
- Supported operating systems: GNU/Linux (Ubuntu, Red Hat) and Windows



Benefits

- Fast integration into existing information systems (IS, ERP, DMS)
- Reduced operational and maintenance costs through automation