



NFQES

NFQES Workflow Manager

An enterprise solution for managing electronic signature processes throughout their entire lifecycle.

It is designed for organizations that require a high level of security, legal certainty and full control over data within their own infrastructure.

Benefits

- Full control over data and processes
- High level of legal certainty and regulatory compliance
- Automation and standardization of signing processes
- Reduced administrative burden
- High level of security

The Workflow Manager enables customers to log in to the system easily without additional registrations, using Single Sign-On (SSO) via Microsoft 365 accounts.

Integration with the NFQES ecosystem

NFQES Workflow Manager is a central component of the Enterprise signing architecture, working seamlessly with three core modules:

1. Enterprise Web Signer

Provides the actual signing operations.

2. NFQES Enterprise 2FA

Ensures two-factor authentication according to the required signature level.

3. Legislative and operational demands

Enables qualified archiving of documents.

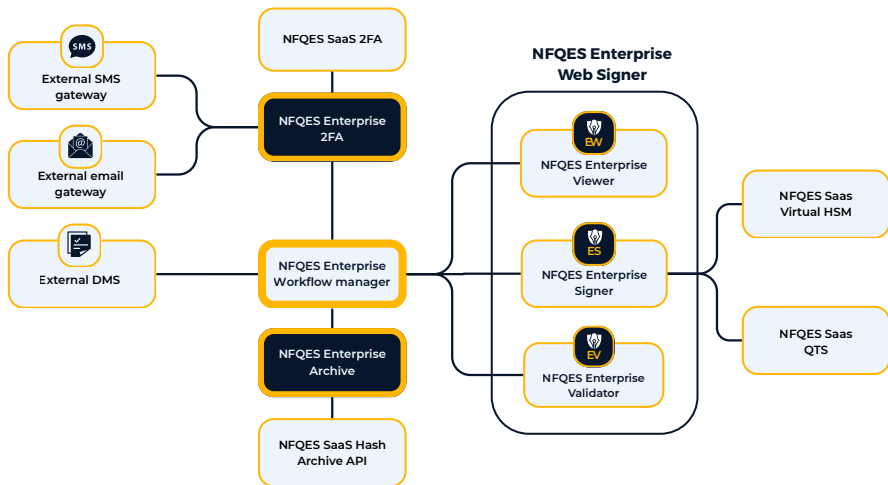


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The solution can also be integrated with

- **NFQES SaaS QTS API** - Enables the application of qualified time stamps
- **NFQES SaaS VirtualHSM** - Ensures secure storage of signing certificates and the use of remote certificates without the need for QSCD devices



Actual product



Products with possible integration



How does the Workflow Manager work?

1.

Creation of a signing workflow

- Uploading documents for signature
- Option to add non-signable attachments
- Defining the name (subject) of the process

2.

Signature setup

- Selecting the required level of signature
- Defining recipients and the signing order

3.

Signing process

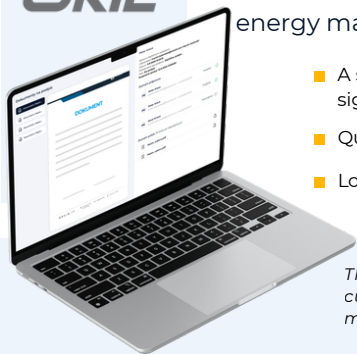
- Automated signing by all recipients
- Secured with 2FA authentication

4.

Completion and archiving

- Automatic archiving after the workflow is completed

Selected references



Okte - company that operates in Slovakia as a regulated entity responsible for the operation of the energy market.

- A system covering the complete management of signature processes
- Qualified electronic signature
- Long-term storage of documents in a qualified archive

The delivered solution also included integration with the customer's external DMS and virtual HSM hardware security model.





Characteristics

Support for Qualified Electronic Signatures (QES)

Access to functionalities via standardized APIs (REST/SOAP)

Compatibility with QSCD and certified HSM devices

Wide support for document formats – signing and verification of PDF, DOCX, ODT, XML, and others

Security in compliance with eIDAS and Slovak legislation – the application meets the requirements of Regulation (EU) No. 910/2014 (eIDAS)

OCSP protocol support – real-time certificate validation according to RFC 6960

Robust integration – the solution can operate with any certification authority

Multi-instance support – high availability and reliability through a scalable architecture.

Supported Qualified Electronic Signature Formats	Supported Cryptographic Standards	Supported Cryptographic Algorithms
CAAdES: CAAdES-B, CAAdES-T, CAAdES-LT, CAAdES-LTA	CMS Advanced Electronic Signatures	RSA, DSA, EC, ECDSA MD2, MD4, MD5, SHA-1, SHA-224, SHA-256, SHA-384, SHA-512
	XML Advanced Electronic Signatures	
XAdES: XAdES-B, XAdES-T, XAdES-LT, XAdES-LTA	PDF Advanced Electronic Signatures	MD2, MD4, MD5, SHA-1, SHA-224, SHA-256, SHA-384, SHA-512
	JSON Advanced Electronic Signatures	
PAAdES: PAAdES-B, PAAdES-T, PAAdES-LT, PAAdES-LTA	Support for time stamps and Trusted Lists (EUTL)	RIPEMD128, RIPEMD (128, 160, 256, 320)
	RFC 5280 – X.509 Public Key Infrastructure	
JAdES: JAdES-B, JAdES-T, JAdES-LT, JAdES-LTA	Support for time stamps and Trusted Lists (EUTL)	

Supported documents and formats

- .PDF
- .DOC
- .DOCX
- .XLSX
- .XLSM
- .JPEG
- .PNG

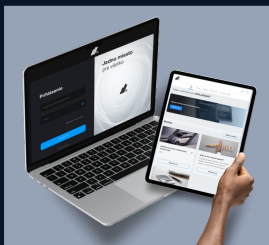
Other formats can be supported based on customer requirements.



NFQES

Case studies

Tatralleasing



Reduced workload, lower hardware requirements, time and cost savings, and **high legal certainty**.

BVS



Digitalized communication, online forms and contracts, **electronic signing via infrastructure or API**.

Medante



Digital signatures for medical documentation and contracts, **implemented in the existing MEDANTE system**.

The NFQES solution can be implemented and customized for a wide range of processes for businesses in various fields.

Contact:

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TUV
ISO 45001
TUV
ISO 14001

TUV
ISO 22301
TUV
ISO 27001

TUV
ISO 20000-1
TUV
ISO 9001



EU Trusted
List