



NFQES

NFQES Multithread Signer

Application interface for electronic signature/seal

NFQES Multithread Signer is a server solution designed for mass qualified electronic signing and sealing of documents.

Solution description

Thanks to parallel processing (multithreading), it allows you to sign documents extremely quickly - with maximum use of hardware performance.

The solution is ideal for organizations that need to sign thousands to millions of documents in a short time.

Solution advantages



Extremely fast signing of large volumes of documents



Automation of signature processes



High scalability and performance



Flexible integration via API



Compliance with legislation (ETSI, eIDAS)



Suitable for critical business processes



Key functionalities



Bulk signing and sealing of documents



Parallel processing (multithreading)



Support for qualified electronic signature (KEP) and seal



Integration with HSM devices (key storage)



API interface (REST) for integration into systems



High scalability for large data volumes



Compliance with ETSI standards (DSS framework)

Who is the solution intended for?

- Medium and large enterprises
- Organizations processing large volumes of documents
- Companies with high signing frequency (invoices, contracts)





Safety and risks

- The need to secure HSM devices (key protection)
- Requires proper implementation and security configuration

Deployment and operation

- Local On-Premise solution

Requires:

- HSM module
- Infrastructure configuration
- Professional implementation



Characteristics

QSCD device support – compatibility with devices with an available PKCS#11 interface.

Wide support for document formats – signing formats such as PDF, DOCX, ODT, XML and more.

| Supported qualified electronic signature formats | Supported cryptographic standards | Supported cryptographic algorithms |
|---|--|--|
| CAAdES: CAAdES-B, CAAdES-T, CAAdES-LT, CAAdES-LTA | X.509 Public Key Certificates, CMS Advanced Electronic Signatures, XML Advanced Electronic Signatures, PDF Advanced Electronic | RSA, DSA, ECDSA |
| XAdES: XAdES-B, XAdES-T, XAdES-LT, XAdES-LTA | Signatures, JSON Advanced Electronic Signatures | MD5, SHA-1, SHA-224, SHA-256, SHA-384, SHA-512 |
| PAAdES: PAAdES-B, PAAdES-T, PAAdES-LT, PAAdES-LTA | Timestamp support | RIPEMD128, RIPEMD160, RIPEMD256 |
| JAdES: JAdES-B, JAdES-T, JAdES-LT, JAdES-LTA | | |

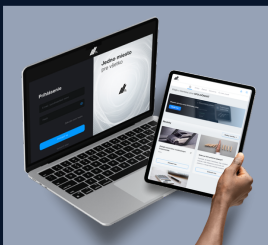
Compatibility - RHEL, Oracle Linux, Ubuntu Linux, Windows



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:

Schedule a consultation with us



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EU Trusted
List