Nordea

Web Services connection
A global Corporate Access file transfer service

Web Services, a specification of World Wide Web Consortium (W3C), is a flexible and secure data communication protocol for exchanging information between parties.

Nordea has implemented an Application Interface (API) for exchanging Cash Management files like payments and account reports based on Web Services and PKI standards. Besides the secure transport, the implementation consist also an additional digital signature which enables end-to-end security all the way from the ERP legacy to the bank and vice versa.

Benefits
- Easy and low cost file transfer solution which can be fully automated
- Ultimate end-to-end security with PKI signatures protecting files in corporate own environment
- Does not require expensive server setup - client software initiates always the connection
- Offers compression of large XML files
- The files from the bank are also signed enabling strong authentication of both parties
- Support solutions from small PC to large host-to-host implementations for any kind of corporate customers
- File transfer service available 24/7
- Supported protocol by several banks. Hundreds of banking software vendors are offering "plug and play" connectivity and integration packages

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What is needed?
A bank connectivity client is needed on the customer side. The client software must support Web Services Security (WSS) and Basic profile 1.0. The content to be sent is signed in advance with XML digital signature, following the Secure Envelope-specification defined by Nordea Corporate Access.

Web Services client software / integration packages can be purchased from banking software vendors.

Technical information
The Web Services communication is routed

over the Internet using an URL as the address (See bottom of page). No direct IP's are needed. The client establishes the connection and sends the request which is authenticated and authorized by Nordea, The response is returned based on the request (e.g. an acknowledgement to the sent file or account report of requested account).

Parameter	Options
Protocol	WS Basic profile 1.0 & WSS (SOAP)
X.509 digital certificates	Issued by Nordea, downloadable via software
Key length	2048
Encryption algorithm	Line security-SSL
Signing algorithm	SHA256
Transport protocol	HTTPS (Port 443)
Mode	Request-response (Push/Pull)
Content signature	XML dsig, enveloped
Software client options	Provided by software vendors
Compression	Optional

Supported file formats
- ISO 20022 XML payments
- SWIFT MT9xx messages and local file formats (SE,NO, DK, FI & Baltic) available during 2017

Security
Web Services communication provides very high security level for the transport and for the payload through digital signatures and data encryption, and ensures reliable delivery and non-repudiation.

The integrity protection is achieved via signing the payload instantly after it has been created by the payments/ERP system.

More information: www.nordea.com (Documentation, Schemas, WSDL, demo certificate, example files etc.).

Contact your local account manager or cash management specialist to get further information and details about Web Services.

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