

DNB File transfer

How to get started - sFTP

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DNB sFTP server supports

Version 5 sFTP protocol, as supported by OpenSSH.

Inbound scp commands using SSH / SCP protocol, as supported by OpenSSH.

The sFTP server will not allow you to set permissions or change attributes on the file on our side.

DNS: az.fgw.dnb.no, port 22

IP: 51.107.219.9

How to transfer files

Put the file in the **"Send"** folder, with the following name convention:

P/T.<Client Number>.<Division Number>.<File Code>.<File Type>.<your choice>

| Element | Explanation |
|-----------------|--|
| P/T | P = Production and T = Test (If Test, contact TCI) |
| Client Number | Will be given to you by DNB |
| Division Number | Will be given to you by DNB |
| File Code | See Table 1 |
| File Type | See Table 3 (eInvoice only) |
| Your Choice | Customer-generated e.g., serial number (Mandatory) |

How to retrieve files

Files from DNB will be found in the folder named **"Inbox"**.

The files will have the following name convention:

P/T.<Client Number>.<Division Number>.<File Code>.<File Number>

| Element | Explanation |
|-----------------|--|
| P/T | P = Production and T = Test (If Test, contact TCI) |
| Client Number | Will be given to you by DNB |
| Division Number | Will be given to you by DNB |
| File Code | See Table 2 |
| File Number | DNB-generated number/reference |

How to automate file transfer

This depends on which file transfer client that is used. Please use file transfer client's help function.

How to get a file transfer client

Various SFTP clients can be acquired either as freeware from the net, or as licensed software. There are SFTP clients for all common operating systems like Linux, Unix, Windows and z/OS.

The rest of the documentation is intended as an initial help to get started with SFTP from a Windows platform.

Link to freeware for Windows that supports SFTP (There are others that can be used):

WinSCP <http://winscp.net/eng/index.php>

Generate User Identity Key Pair

(public and private key) RSA keys of **at least** 2048 bits (preferably 3072 or 4096 bits).

After the sFTP client is acquired and installed, a User Identity key pair for authentication of the user must be generated.

For Windows you can use the windows/dos command: ssh-keygen.

E-mail the Public key together with the technical specification form to your DNB contact. The Private key will be used in the sFTP Client's Login configuration.

For operating systems other than Windows, consult the documentation for generation of key pairs. On Unix/Linux, the command is ssh-keygen.

Public Key Algorithms

- RSA (up to 4096-bit keys)
- ED25519
- RSA-SHA2-256
- RSA-SHA2-512

If you want to have PGP signing and encryption, please follow the information on next page.

PGP signing and encryption

DNB supports the following PGP encryption/signing methods:

PGP Encryption Algorithms

- AES (128, 192, or 256-bit keys)
- Twofish
- Camellia (128, 192, or 256-bit keys)

PGP Signing Algorithms

- SHA-256, SHA-384, SHA-512, SHA-224

Compression Algorithms

- Zip
- BZip2
- ZLib

PGP Keys Algorithm Types

PGP Encryption

- RSA_GENERAL
- RSA_ENCRYPT
- ELGAMAL_ENCRYPT
- ELGAMAL_GENERAL
- ECDH

PGP Signing

- RSA_GENERAL
- RSA_SIGN
- ECDSA
- DSA

| Method | Customer to DNB | DNB to customer |
|------------|-----------------------------|-----------------------------|
| Signing | DNB needs public key | DNB sends public key |
| Encryption | DNB sends public key | DNB needs public key |

Help and support

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TCI@dnb.no

Table 1 - File codes for files to DNB

| File code | Description |
|-----------|------------------------|
| P001 | ISO 20022 XML |
| NY02 | Autogiro - Norway |
| NY21 | Avtalegiro - Norway |
| NFAK | eInvoice (B2B and B2C) |
| NFCA | Agreement (B2C) |
| NY01 | Autogiro - Norway |
| AGIN | Autogiro Sweden |

Table 2 - File codes for files from DNB

| File code | Description | End Date |
|-----------|---|-------------|
| P002 | ISO 20022 Recipient reply / rejection files | |
| C053 | ISO 20022 Account information | |
| C54D | ISO 20022 Processing reply files | |
| C54C | ISO 20022 Receivables | |
| CREM | EDIFACT – CREMUL | 31-Jun-2026 |
| FINS | EDIFACT – FINSTA | |
| DSAF | Deposit box files (night safe) | |
| TBFM | File transfer other options | |
| TBOC | OCR receivables Norway | |
| REFG | Finnish legacy OCR list | |
| TIT2 | Finnish legacy account statement (Tito) | |
| LBBS | Processing reply files | |
| BGMX | BG Max | |
| TBGC | OCR receivables Sweden | |
| TPBS | FI-card receivables Denmark | |
| TBWK | Account information | 31-Jun-2026 |
| SWI0 | MT940 Account information | 31-Jun-2026 |
| NFBR | eInvoice B2B | |
| NFB2 | eInvoice receipt file level 1 and 2 | |
| NFCA | Agreement (B2C) | |
| TBVK | Exchange rates files | |
| BANS | EDIFACT – BANSTA | |
| CONT | EDIFACT – CONTRL | |
| DEBM | EDIFACT – DEBMUL | |
| DSFA | Night safe | |

Table 3 - File type invoice for files to DNB

| File code | Description |
|-----------|--------------------------|
| B2BEHF | EHF-format EHF |
| B2BE2B | E2B-format |
| B2BE2BZIP | E2B-format Zipped |
| B2CBBS | BBS-format (Nets format) |
| B2BKND | XML-format (Nets format) |