



# 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: fgw.dnb.no, port 22

## **How does it work**

Log on to our sFTP server (DNS info above) with the assigned user (P.....) using your private key matching the public key sent to the bank.

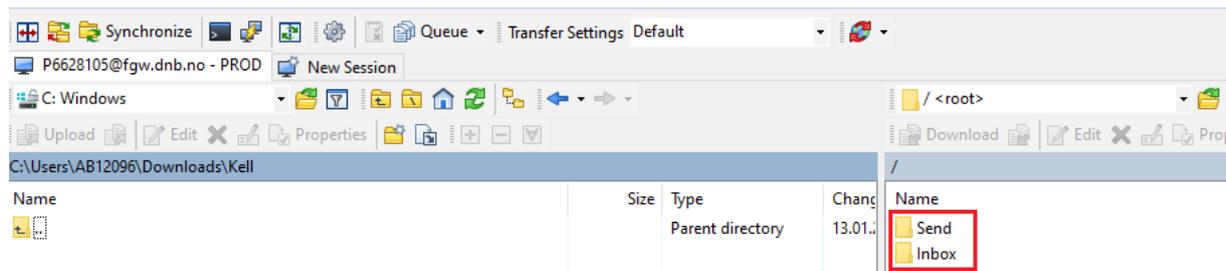
On the server there will be 2 folders.

Use the "Send" folder for files to the bank.

Use the "Inbox" for retrieving files from the bank.

The files to be sent to DNB must have a specific name standard.

(See How to transfer files)



## How to transfer files

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

**P.<clientnumber>.<division number>.<filecode>.<filetype>.<your choice>**

Element	Explanation
P	P = Production (If Test contact support)
clientnumber	Will be given to you by DNB
division number	Will be given to you by DNB
Filecode	See Table 1
Filetype	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.<clientnumber>.<division number>.<filecode>.<filenameumber>**

Element	Explanation
P	P = Production (If Test contact support)
clientnumber	Will be given to you by DNB
division number	Will be given to you by DNB
Filecode	See Table 2
Filenameumber	DNB-generated number

## How to automate file transfer

The customer can use its own preferred client in order to automate the file transfer.

## How to get a file transfer client

Various sFTP clients can be acquired either as freeware from the net, or as a 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 type with 2048 key length.

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 program PuTTYgen to generate the key pair (PuTTYgen is provided with the installation of WinSCP).

Start PuTTYgen and generate the SSH2 RSA key pair, length 2048 (move the mouse into a blank space). Save your private key and the public key.

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.

### **Help and support**

Phone: +47 915 04800

[kundesenter.bedrift@dnb.no](mailto:kundesenter.bedrift@dnb.no)

Or simply use chat on our customer service web page; [www.dnb.no](http://www.dnb.no)

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**Table 1 - File codes for files to DNB**

<b>File code</b>	<b>Description</b>
NY01	Autogiro - Norway
NY02	Autogiro - Norway
NY21	Avtalegiro - Norway
DKDB	Danish format
LBBO	Swedish format domestic
LBBU	Swedish format cross border
LBLO	Swedish format salary
TBII	Telepay
PAYM	PAYMUL
NFAK	eInvoice (B2B and B2C)
NFCA	Agreement (B2C)
P001	ISO 20022 XML
AGIN	Autogiro Sweden

**Table 2 - File codes for files from DNB**

<b>File code</b>	<b>Description</b>
TBVK	Exchange rates files
BANS	EDIFACT – BANSTA
CONT	EDIFACT – CONTRL
DEBM	EDIFACT – DEBMUL
CREM	EDIFACT – CREMUL
FINS	EDIFACT – FINSTA
DSAF	Deposit box files (night safe)
TBFM	File transfer other options
TBRI	Telepay – Recipient reply files domestic
TBMI	Telepay – Rejection reply files domestic
TBAI	Telepay – Processing reply files domestic
TBRU	Telepay – Recipient reply files cross border
TBMU	Telepay – Rejection reply files cross border
TBAU	Telepay – Processing reply files cross border
TBOC	OCR receivables Norway
LBAV	Rejection reply files
LBBB	Due register
LBBS	Processing reply files
BGMX	BG Max
TBGC	OCR receivables Sweden
TPBS	FI-card receivables Denmark
TBWK	Account information
SWIO	MT940 Account information
NFBR	eInvoice B2B
NFB2	eInvoice receipt file level 1 and 2
NFCA	Agreement (B2C)
P002	ISO 20022 Recipient reply / rejection files
C053	ISO 20022 Account information
C54D	ISO 20022 Processing reply files
C54C	ISO 20022 Receivables
DSFA	Night safe

**Table 3 - File type invoice for files to DNB**

<b>File code</b>	<b>Description</b>
<b>B2BEHF</b>	EHF-format
<b>B2BE2B</b>	E2B-format
<b>B2BE2BZIP</b>	E2B-format Zipped
<b>B2CBBS</b>	BBS-format (Nets format)
<b>B2CKND</b>	XML-format (Nets format)

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