

iPost data transfer instructions (SFTP and FTP)

A valid Network Interconnection contract is required when using SFTP (SSH) ja FTP transfer methods from Customer's static IPs to iPost Servers. You can order the Network Interconnection opening/change from Posti Messaging's Customer Service and receive user id and password for data transfer to iPost.

To transfer data to iPost the following points should be considered:

- Customer is responsible of data transfer.
- Username and password are case sensitive. Please note upper- and lowercase letters.
- Only SFTP and FTP transfer methods are accepted (i.e. commands ping and traceroute are not allowed). Posti recommend using the SFTP (SSH) transfer method if possible.
- File size for transferred file is given in bytes.
- Default encoding is ISO 8859-1 for EPL files. We can change encoding for Dos-compatible if needed.
- Data transfer is done in BIN-format (TYPE I). EPL-format files might work only as ASCII-transfer. If ASCII-transfer is in use now it shouldn't be changed.
- One ZIP file may only include two files, one XML and one PDF file.
- Customer is responsible of individual naming for files (to prevent overwriting files). However, ZIP with PDF and XML files are recommended to have the same filename. File batches received during the same day should be named individually. For example, if the first filename of the day is sample1.zip and contains files sample1.pdf and sample1.xml the second filename could be sample2.zip with files sample2.pdf and sample2.xml.
- If data transfer connection disconnects, customer needs to be sure, that file will not be transferred twice. Best way to prevent these situations is to use **.tempppi** naming convention. During data transfer file extension (last seven characters in file name) must be .tempppi. Files with extension **.tempppi**, **.temp**, **.tmp**, **.TEMPPI**, **.temp** and **.TMP** will not be processed. When the data is transferred successfully, you can rename the file from -tempppi to another name thus giving permission to file processing.
- The maximum length of the file name (including extension) is 90 characters. Allowed characters are a-z, A-Z and 0-9. A dot, an underscore and a dash are also allowed. Character sets "-_" and "-_" are forbidden, however.
- You can use EPLZ- end line in iPost EPL files to be sure the file is transferred successfully and to receive the file transfer acknowledgement via email.
- If any uncertainties concerning success of a file transfer exists, please contact Posti Messaging Customer service.

Additional Services:

- You can order a file receiving acknowledgement to your receiving folder or/and to your email.
- You can order duplicate checking for transferred files. When duplicate checking is enabled iPost run MD5-checks each transferred files to be sure that exactly same file has not been sent to iPost processing.
- If you are using public key in SFTP transfer for logging in, please send SFTP-username and used key to Customer Service
- Posti Messaging Customer Service
 - <https://www.posti.fi/fi/asiakastuki/ota-yhteytta/posti-messaging>
 - messaging.fi@posti.com

Data transfer to SSH2 Server Ssh.eNet.fi

For data transfer is used SFTP-application (Secure FTP), which comes with SSH2-application.

The example below is made from **psftp.exe**:

Below you can find an example about data transfer with command line, bold texts are given by user.	Example predicts that FTP is started from that directory where transferred files are located.
1. C:\> psftp.exe SSHTunnus@ssh.enet.fi Using username "SSHTunnus".	Open the connection to iPost (Posti Messaging's server ssh.enet.fi) with username SSHTunnus. Replace "SSHTunnus" with username given by Posti Messaging.
2. Posti SSH Server Further authentication required SSHTunnus @ssh.enet.fi's password:	Give the password.
3. Remote working directory is / psftp> !ren filename.txt filename.temppi	Rename the file on your computer to .temppi -extension. This is needed to prevent posting the unfinished file. Replace "filename.txt" with your own filename.
4. psftp> put filename.temppi local:filename.temppi => remote:/filename.temppi	Send file to iPost
5. psftp> ls Listing directory / -rw-rw-rw- 1 user group 12 Sep 8 14:53 filename.temppi	List content of the receiving directory with ls -command. It is also possible to check transferred bytes if needed.
6. psftp> rename filename.temppi filename.ok	Rename off from .temppi -extension that iPost will process the file. (Files with .temppi extension will not be processed!)
7. psftp> ls Listing directory / -rw-rw-rw- 1 user group 12 Sep 8 14:53 filename.ok /filename.temppi -> /filename.ok	List content of receiving directory and confirm renaming with ls - command. (Note: The file has been moved to iPost processing, when the file is no longer found in the receiving directory.)
8. psftp> !ren filename.temppi filename.txt	Rename the file on your computer back to .txt extension.
9. psftp> bye 10. C:\>	Quit SFTP connection with bye -command.

Data transfer to FTP server TuljuFtp.eNet.fi

Customer should use passive FTP connection for FTP transfers. We don't recommend to use ftp.exe application in Windows, which doesn't support passive FTP connections. Alternative for ftp.exe is for example NcFTP (<http://www.ncftp.com/ncftp/>).

Below you can find an example about data transfer with command line, bold texts are given by user.	Example predicts that FTP is started from that directory where transferred files are located.
1. ftp TuljuFtp.eNet.fi User (82.199.225.10:(none)):	Open the connection to iPosti (Posti Messaging's server TuljuFtp.eNet.fi)
2. username 331 Password required for username Password:	Give username, replace "username" with username given by iPost
3. password 230 Login OK. Proceed.	Give password
4. put input.tyyppi ipost.temppi 226 Transfer complete.	Send file to iPost with .temppi-extension, which means that iPost doesn't touch to unfinished file (input, ipost and valmis are example names, .temppi is mandatory).
5. dir -rw-rw-rw- 1 user group 4646 Apr 30 11:40 ipost.temppi	List content of the receiving directory. It is also possible to check transferred bytes if needed.
6. ren ipost.temppi ipost.valmis 350 File exists, ready for destination name 250 RNTD command successful.	Rename off from .temppi-extension that iPost will process the file. (Files with .temppi extension will not be processed!)
7. dir -rw-rw-rw- 1 user group 4646 Apr 30 11:40 ipost.valmis	List directory (The file has been moved to iPost processing, when the file is no longer found in the receiving folder.)
8. quit 221 Service closing control connection.	Quit connection