

White Paper

Setting up FTPs (secure) connection between
IBM Sterling Gentran Server for iSeries and Sterling Collaboration Network.

Last revised: April 2016

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Business Need:

FTPS (also known as FTPES, FTP-SSL, S-FTP and FTP Secure) is an extension to the commonly used File Transfer Protocol (FTP) that adds support for the Transport Layer Security (TLS) and the Secure Sockets Layer (SSL) cryptographic protocols

Overview:

This paper is a guide to assist you in setting up FTPs with Sterling Commerce Network (SCN). There are several steps to consider:

1. Sterling Collaboration Network (SCN) will send a secure certificate and setup a new mail slot for FTPs TLS1.2 (setup of mail slot should be 80 character records and Binary).
Contact SCN support at 1-877-432-4300 or scn_support@us.ibm.com
2. Configure your iSeries for FTP server (STRTCPSVR)
Contact IBM OS support for further assistance.
3. Setup of IBM Sterling Gentran:Server for iSeries Communication Profile and script.
Communication Profile and scripts will need to be created to properly utilize the OS400 FTPs functionality.

Pre-requisite(s):

A CCC (Clear Command Channel) command needs to be entered in the Gentran script. Without the CCC command, a FTPs data transfer with SCN will not happen.

A certificate from SCN will be sent and this will need to be placed in your Digital Certificate Manager, if you are unsure how to proceed, then IBM OS certificate support should be engaged.

Must be running a current supported release of IBM Sterling Gentran:Server for iSeries with up to date cumulative fixes (V3.6 or V3.5)

A working knowledge of Gentran and creating Communications profiles and scripts are assumed in this paper. Please refer to the IBM Sterling Gentran:Server iSeries Communication Guide for further clarification.

Processing:

Refer back to the overview steps, 1 and 2 and make sure they are being worked before moving on into this section. Once you are able to connect, logon, and successfully perform FTP PUT and FTP GET commands from the iSeries command line to SCN via FTPs, then you are ready for the Gentran setup.

IBM Sterling Gentran Server for iSeries Setup:

1. Build a Communication profile.

From GENMAIN choose Communication Menu > Work with Communications > enter in Option 1 for Create, and the new ID for this process.

Example of what your communications profile should look like:

```
Comm Profile ID..... SCNFTPS
Company..... FTPs connection to SCN
Contact..... Sterling Collaboration Network
Phone..... ( 877 ) 432 - 4300 x
International Dial Code.....
Protocol..... FTP
Days to Purge..... 999
FIFO/LIFO..... F
Update Allowed..... Y
```

Press **Enter** to continue on filling out the Profile.

```
Comm Profile ID..... SCNFTPS
Company..... FTPs connection to SCN
FTP Server Name..... FTPS.STERLINGCOMMERCE.COM or ip address
Login ID..... mailbox
Login Password..... password
Record Size..... 0080
Inbound Record Separator (hex) ..
Outbound Record Separator (hex)..
ASCII/EBCDIC Translation..... N
Secure Connection..... *SSL
Port..... 00021
Data protection..... *DFT
```

NOTE: Server Name or ip address will be provided by SCN

2. After the Communications profile is created, then create the following scripts:

Send Only:

```
Comm Profile ID. . . . . SCNFTPS
Session Name . . . . . SO
Company. . . . . FTPs connection to SCN
Type option, press Enter.
  3=Copy Seq# 4=Delete 11=Extended Parm

Opt Seq No Tran File File Name Ind Description
  10 C          TURN PASSIVE OFF
SENDPASV
  20 C          CLEAR COMMAND CHANNEL
CCC
  21 C          Change directories to SCN outfile
cd mailbox/outfile
  25 S OQ       SEND ALL DATA TO SCN
```

NOTE: SCN will provide the *mailbox/outfile* information.

Receive Only:

```
Comm Profile ID. .... SCNFTPS
Session Name ..... RO
Company. .... FTPs connection to SCN
```

Type option, press Enter.
3=Copy Seq# 4=Delete 11=Extended Parms

```
Opt Seq No Tran File File Name Ind Description
  5 C          CHANGE DIR TO SCN INBOX
cd mailbox/infile
 10 C          SET CURLIB FOR RECEIVE
! CHGCURLIB QGPL
 15 C          TURN PASSIVE OFF
SENDPASV
 25 C          CLEAR COMMAND CHANNEL
CCC
 27 C          BINARY
BINARY
 30 R IM       REC ALL TO IB Q
*
```

NOTE: SCN will provide the *mailbox/infile* information.

Once the above steps are in place you are ready to test your connection to SCN via Gentran Communication.

Outbound Testing:

- Make sure you have a batch of data in the outbound queue with a Q status.
- Run a Start Communication Session (STRCOMSSN) for SO script with TRACE(*YES) to obtain an FTPLOG. Be prepared to send print of communication profile, scripts, and logs produced from trace option on STRCOMSSN.
- The batch in your outbound queue should change to SN status, use document tracking or contact SCN to make sure the data was received and readable.

Inbound Testing:

- Make sure you have a batch of data in your infile on your mailbox
- Run a Start Communication Session (STRCOMSSN) for SO script with TRACE(*YES) to obtain an FTPLOG. Be prepared to send print of communication profile, scripts, and logs produced from trace option on STRCOMSSN.
- Check inbound queue for received batch (RN status) .

Sterling Collaboration Network Request FTPS Mailbox

<https://cn.sterlingcommerce.com>

Additional Services

Request new Mailbox/Mailslot – Fill out form and specific parameters request the following

- Communication Protocol = FTPS
- Comments: For Sterling Gentran Server for iSeries – Request Binary mode, record set size 80 bytes.

The screenshot displays the IBM Sterling Customer Center interface. At the top, the browser address bar shows the URL <https://cn.sterlingcommerce.com/mainMenu.html>. The page header includes the IBM logo and the text "Sterling Customer Center". A navigation bar on the left contains several categories: "Cloud Solutions", "Product Support", "Additional Services" (with a sub-link for "Request new Mailbox/Mailslot"), and "Administration". The main content area is divided into three sections: "Products Moved to IBM Support Portal" (listing MFT, B2B, and Sterling Selling and Fulfillment Suite), "Product/Cloud Solution Market Centers" (subdivided into Commerce and Connectivity and Integration), and "Related Links" (pointing to documentation and other services). The footer contains legal notices and a copyright notice for IBM Corp. 2007-2016. A taskbar at the bottom shows the system time as 8:51 AM.