

NPCI/2016-17/CTS/029

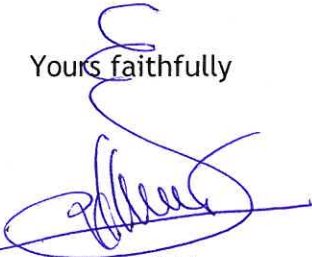
April 26, 2016

To
All CTS Member Banks

Enable secure communication between CH and CHG

We refer to the 18th Steering committee meeting held on January 19, 2016, where the solution for using secure FTP (SFTP) communication between CH and CHG was proposed. The advisory note on the same is provided in annexure I.

Yours faithfully



Girdhar G M
(VP & Head Operations - CTS and NACH)

Annexure - 1

Advisory Note

Enable Secure Communication between CH and CHG

Introduction:

In existing ECPIX System, we are using FTP (File Transfer Protocol) for File transfer between CH and CHG. FTP is an unsecured protocol and was not designed to be a secure protocol, and has many security weaknesses. In order to enable secure Communication we recommend to use SFTP (secure file Transfer Protocol) between CH and CHG.

SFTP: (SSH File Transfer Protocol, or Secure File Transfer Protocol)

SFTP, which stands for SSH File Transfer Protocol, or Secure File Transfer Protocol, is a separate protocol packaged with SSH that works in a similar way over a secure connection.

Advantage of SFTP over FTP:

The major difference between FTP and SFTP is Uploaded files may be associated with their basic attributes, such as timestamps. This is an advantage over the common FTP protocol, which does not have provision for uploads to include the original date/timestamp attribute without help.

Enable Secure Communication between CH and CHG

Files can be transferred securely between CH and CHG using SFTP. The system is enhanced to incorporate secure FTP in addition to the existing FTP for file transfer. The system allows you to choose whether to use FTP or secure FTP (SFTP) to transfer files from CH to CHG or from CHG to CH.

System Requirement:

1. In order to implement secure file transfer using SFTP, ensure that WS_FTP 7.6.3 or higher version must be already installed on the SSH enabled server.
2. The feature to securely transfer files between CH and CHG is available only on Windows Server 2008 at the CH and CHG.

Parameter Setting:

After achieving above system requirement, CH operator needs to set the required parameters at CH to enable SFTP communication between CH and CHG

Commercials for WSFTP WITH SSH license

Option 1: Banks having existing license from NCR can do only Upgrade - APTRA Clear IPSwitch WS FTP Server - Upgrade to SSH

Upgrade license Unit Price with one year support: Rs.46, 000/- (Rupees Forty Six Thousand Only)

Option 2: Banks requiring New licenses - APTRA Clear IPSwitch WS FTP Server SSH

NEW license Unit Price with one year support: Rs.66, 000/- (Rupees Sixty Six Thousand Only)

Implementation effort is ONE DAY per Grid provided CHI is remotely accessed by NCR.
Implementation charges would be Rs.20, 000/- per Grid.

Contact person

Member banks willing to upgrade from FTP to SFTP can contact the below SPOC from NCR.

S.No	Name	Contact Number	E-mail id
1	Brijesh Mishra	9819181250	Brijesh.Mishra@ncr.com

