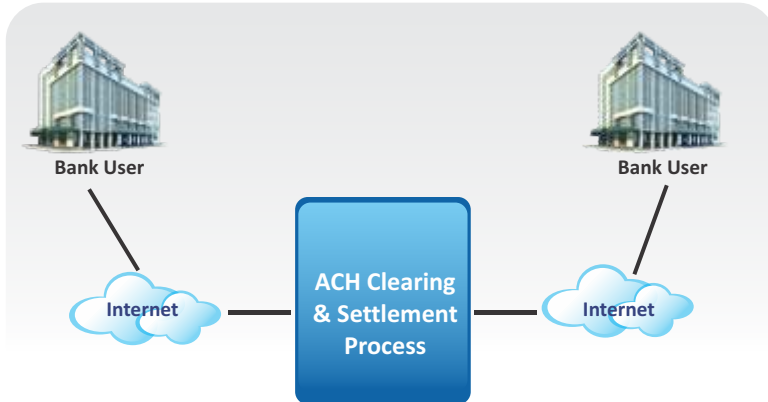


## Odyssey AltaSigna Maple Pro

Odyssey **AltaSigna Maple Pro** is a simple, yet powerful tool for enabling secure host-to-host file transfer capabilities and file validation for banks that wish to transact with the National Payment Corporation of India's (NPCI) Automated Clearing House (ACH) system.



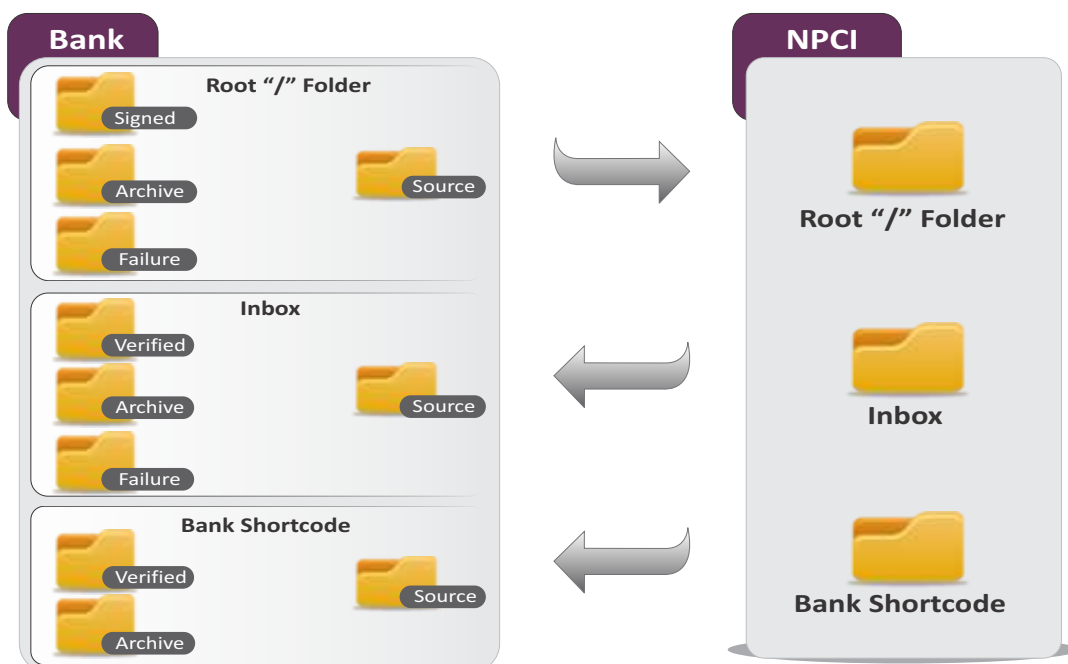
Banks performing file based transactions with the ACH system require a secure channel of communication since the files often contain sensitive financial information.

AltaSigna Maple Pro establishes periodic communication with the ACH system using the Secure File Transfer Protocol (SFTP) and handles certificate-based authentication, thus ensuring secure file transfer between the bank and the ACH system.

Since the transactions take place between remote servers, the files transferred between the servers have to be validated using digital signatures to ensure file integrity and authenticity. Maple Pro supports raw signatures, PKCS#7 signatures as well as XML enveloped digital signature of base64 encoded file content, and is ideal for signing the files generated by the bank for transacting with the ACH system.

Once the files are signed and uploaded by Maple Pro, the solution is also capable of automatically downloading the acknowledgement files as well as the processed and signed response files from the ACH system.

AltaSigna Maple Pro supports verification of signed response files downloaded from the ACH system to ensure authenticity and integrity, before archiving the files in the appropriate folders.



The product is fully standards compliant, and works on Windows platforms.

With AltaSigna Maple Pro, you can now ensure absolute compliance with NPCI requirements for performing secure file-based transactions with the ACH system.

## Feature Highlights

- Performs digital signatures using RSA-2048 and SHA-2 algorithms
- Establishes authenticated SFTP connection with the NPCI host server at configured intervals to upload and download transaction files
- Automatically uploads signed files to the NPCI host server
- Automatically checks the bank's inbox on the NPCI host server and downloads acknowledgement/error files generated by the system in response to the uploaded files
- Automatically checks the bank's allocated folder in the NPCI host server for processed signed files and downloads the same
- Verifies the signatures on the downloaded signed files, with support for optional CRL verification before archiving the files in the local system
- Supports download and upload of unsigned report files
- Supports Raw RSA and PKCS#7
- Supports multiple signatories, bulk signing, and verification
- Supports digital certificates issued by public certifying authorities
- Supports digital certificates store – Internet Explorer, crypto tokens, PKCS#12 files
- Supports configuration of dedicated folders for files uploaded to and downloaded from the NPCI server
- Supports a comprehensive logging and reporting system for accountability and audit trail

## Business Benefits

*Ideal for compliance with NPCI requirements*

*Intuitive administrator interface for configuring the system*

*Plug-configure-play deployment with zero downtime in business connectivity*

*Cost-effective installation and usage*

## Standards Compliance

- Digital Certificates – X. 509 V3
- Digital Signatures – PKCS #1, PKCS #7
- CRL – X.509 V2
- Smartcard / Token – CAPI / PKCS #11
- RSA keys - 2048 Bit
- Message Digest – SHA 2
- SSL V3 – Draft-freier-ssl-version3-02.txt

## Platform Requirements

- Processor – Core 2 Duo
- RAM - 2 GB
- Hard disk size based on transaction volume
- OS - Windows XP Service Pack 3 & above



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