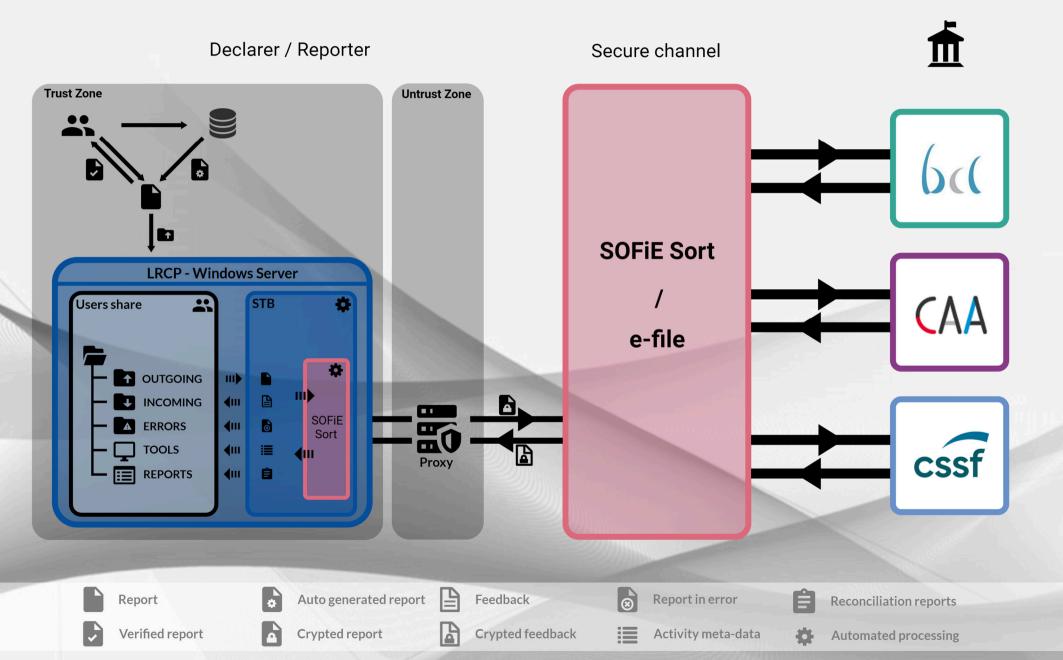


LRCP - Main view

Actual & past period - 2014 to 2024

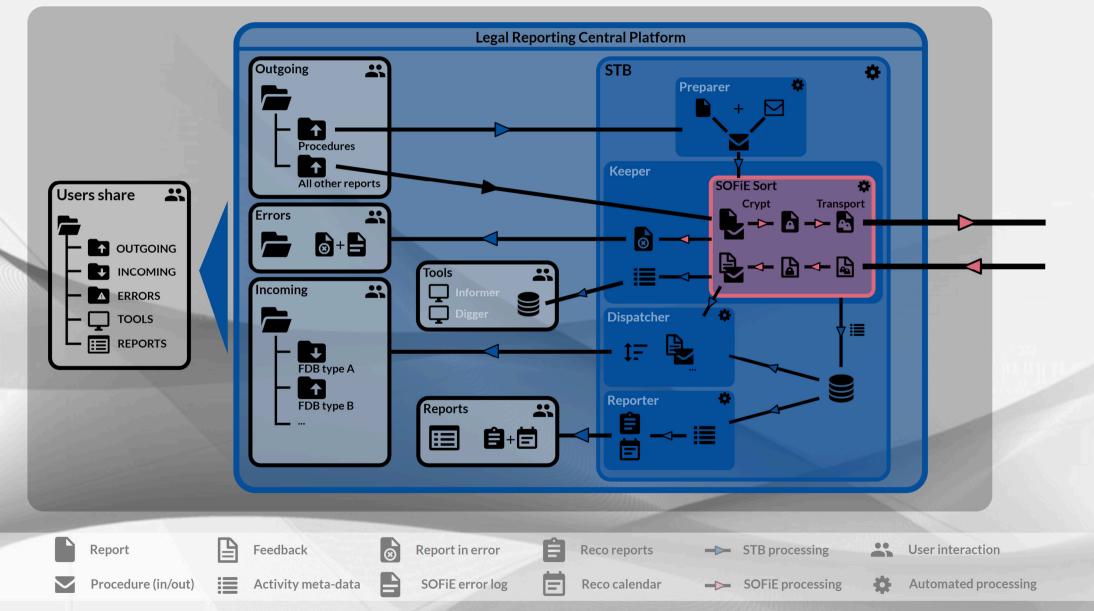




LRCP - Server main view

Actual & past period - 2014 to 2024

Declarer / Reporter



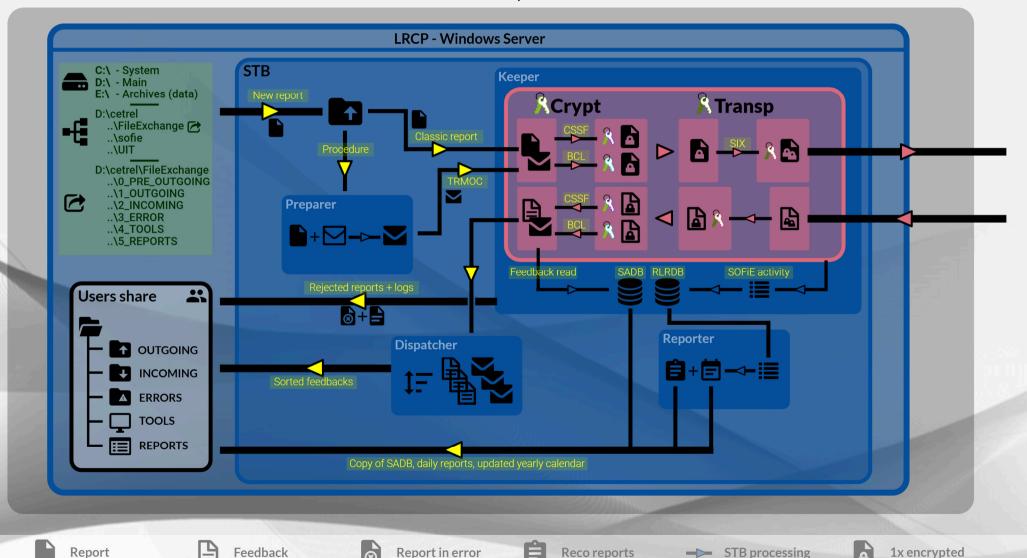
Procedure (in/out)

■ STB file handling



LRCP - Workflow

Declarer / Reporter



Reco calendar

SOFiE error log

2x encrypted

SOFIE processing



LRCP - Example 1 (for IT)

Declarer / Reporter

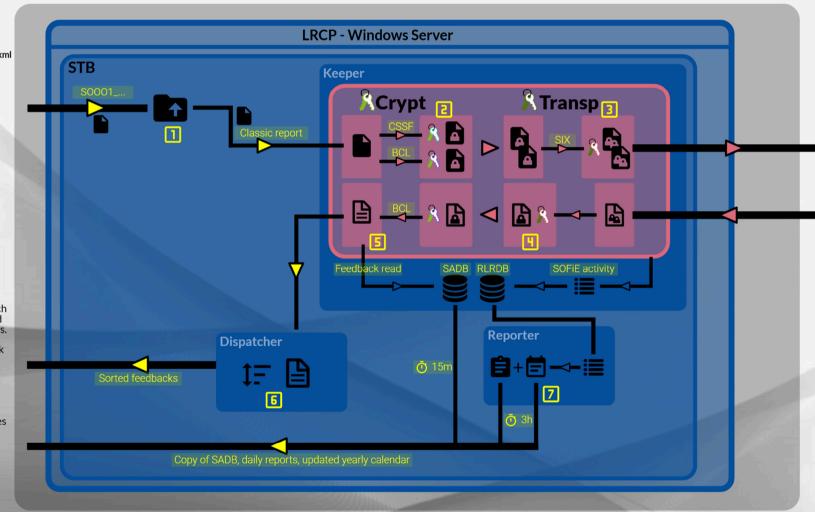
Example scope & settings

S0001 type report - Main receiver : BCL - Copy to CSSF Ex. : S0001_L1_20210215_B000000999_B000000999_20210516_001.xml Crypt & Transp execute each 30m.

Crypt & Transp execute each 30m.
Crypt: 9:00 / 9:30 / 10:00 / ... - Transp : 9:15 / 9:45 / 10:15 / ...
Keeper executes after Crypt & Transp, Dispatcher only after Crypt

- 9:50 Report is deposited in the OUTGOING directory

 From 1 to X directories can be configured, in this example user's outgoing directory = SOFIE input
- 2 10:00 SOFiE Crypt validates the report (filename, right, XML structure) then duplicates the report and encrypts both copies using declarer's private key and regulator's public key. Keeper updates SADB + its copy for users.
- 10:15 SOFiE Transp encrypts a second time both reports using its second private key and Six's common public key then sends both reports to SOFiE server. It also verifies if any feedback is present (not in this case). Keeper updates SADB + its copy for users. It also updates RLRDB.
- 10:45 SOFiE Transp downloads one file (SOFI.xxx) from the server then proceed with a first decryption using the Transport's private key and Six's common public key. Keeper updates SADB + its copy for users.
- 11:00 SOFIE Crypt decrypts the feedback received (which is an FDBTECH from BCL) using declarer's private key and BCL's public key. Keeper updates SADB + its copy for users.
- 11:00+ Dispatcher reads then sorts (moves) the feedback in a sub-folder of the INCOMING directory.
 - Dispatcher can optionnaly performs a backup copy of all the feedbacks received (configurable)
- 12:00 Reporter generates a first reconciled report of the current day + updates the yearly calendar.
 - Reporter is by default scheduled to execute a few times per day and not as many time than other STB tools.





Public key



Crypt Keypair

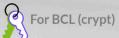






Encryption or decryption using Crypt or Transport private key with destinatory public key









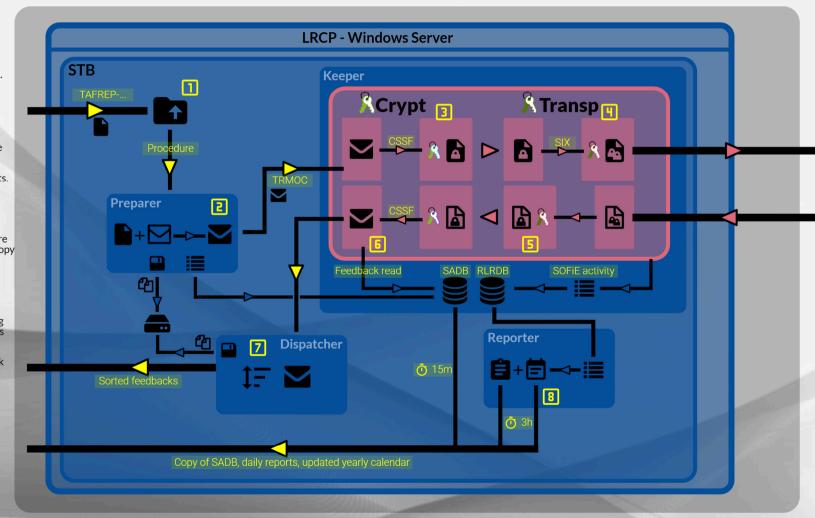
LRCP - Example 2 (for IT)

Declarer / Reporter

Example scope & settings

TAFREP - MiFIR type report - Receiver : CSSF (ESMA) Ex. : TAFREP-B00000999-2021-06-01-012345.xml Crypt & Transp execute each 30m. Preparer executes before Crypt Preparer & Crypt: 9:00 / 9:30 / 10:00 / ... - Transp: 9:15 / 9:45 / 10:15 / ... Keeper executes after Crypt & Transp, Dispatcher only after Crypt

- 9:50 Report is deposited in a specific and dedicated OUTGOING directory which will be scanned by Preparer.
- 10:00 Preparer validates the filename of the report then creates a procedure based on the source directory and the profile configured to it. It copies the file to SOFiE Crypt, logs meta-data and performs a backup of the procedure. Preparer also verifies TAF counter & duplicates reports.
- 10:00+ SOFiE Crypt validates the procedure (filename & right) then encrypts it (TRMOC => TRMIC) using CSSF public key. Keeper updates SADB + its copy for users.
- 10:15 SOFiE Transp encrypts a second time the procedure then send it to SOFiE server. Keeper updates SADB + its copy for users. It also updates RLRDB based on Preparer data.
- 10:45 SOFiE Transp downloads one or several files from the server then decrypts them (SOFi => TRMID). Keeper updates SADB + its copy for users.
- 11:00 SOFiE Crypt decrypts the TRMID to TRMOD using CSSF's private key. Keeper reads the TRMOD and updates SADB & RLRDB. It also update the SADB for users.
- 11:00+ Dispatcher reads then sorts (moves) the feedback in a sub-folder of the INCOMING directory. It performs a backup copy of the feedback procedure.
- 12:00 Reporter generates a first reconciled report of the current day + updates the yearly calendar.
 - A minimum of 3 TRMOD will be returned for one TAFREP, final reconciliation can take up to 7 days.





Public key

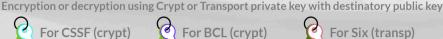


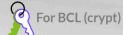
Crypt Keypair

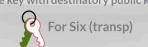
Transp Keypair











Legal Reporting Central Platform



LRCP - Example 3 (for users)

Example for a BCL TPTIBS report

TPTIBS L1 202407 DSE0001234 DSE0001234 20240821 001.xml

- 9:50 A TPTIBS report is deposited in the OUTGOING folder.
- 10:00 SOFiE Crypt validates the report (filename, right, XML structure) + encrypts it for the BCL. Keeper updates users Tools DB.
- 10:15 SOFiE Transport encrypts the report a second time and sends it. Keeper updates users Tools DB.
- 10:45 SOFiE Transport downloads one file and proceed with a first decryption. Keeper updates users Tools DB.
- 11:00 SOFiE Crypt decrypts the feedback received. File is the FDBTECH for the TPTIBS sent 1h sooner. Keeper updates users Tools DB.
- 11:00+ Dispatcher reads then sorts the FDBTECH feedback in a sub-folder of the INCOMING directory.
- 12:00 Reporter generates a first reconciled report of the current day + updates the yearly calendar.

User's view from workstation (file explorer)

Example A - 1 level sorting: By name + DSE code

ReportingShare (J:)

1_OUTGOING

✓ ■ 2_INCOMING

_Unknown_ToClassify

BlackCorp DSE0555555 BlueCorp_DSE01111111

GreenCorp_DSE03333333

GreyCorp_DSE04444444

RedCorp_DSE02222222

WhiteCorp_DSE012134567

YellowCorp_DSE0666666

3 ERROR

4_TOOLS

5_REPORTS

Example B - 2 levels sorting: By Team then entity name or short name ReportingShare (J:)

1 OUTGOING

2 INCOMING

Unknown ToClassify

TeamA

TeamB CircleCorp

RoundCorp

SquareCorp

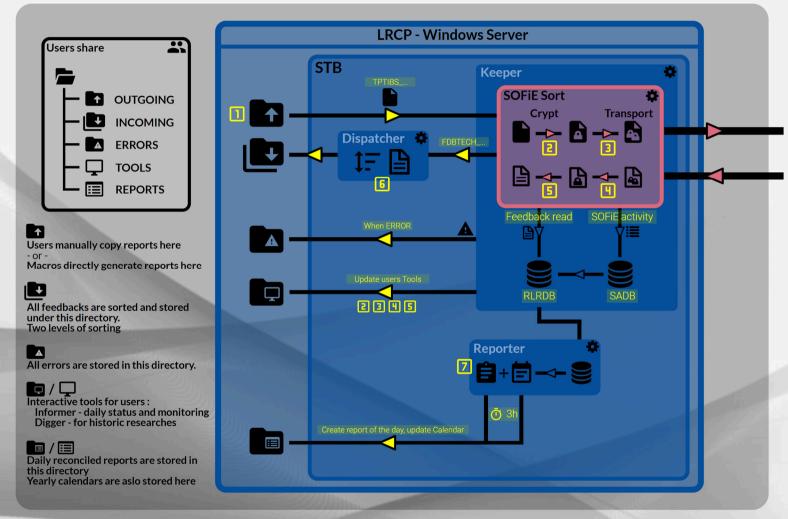
TeamC TeamD

3_ERROR

4_TOOLS

5 REPORTS

Declarer / Reporter





Report



Feedback



Error detected



Databases



Reco reports



Reco calendar



Automated processing

Meta data









STB file handling



LRCP - Error handling

Declarer / Reporter

- Preparer will send an email if a problem occurs. A separated email adresse can be configured for Picker sub-module
- Crypt: report's validation or 1st encryption error.

 This type of error represents the most common SOFiE error: bad filename or bad file structure.
- **Transp:** 2nd encryption error (rare)
- Transp: error during upload or download of crypted report (rare: line cut or SOFiE server problem)

