



Cash-in™

FOR INTRA-DAY LIQUIDITY

Comprehensive, real-time information to improve cash and liquidity management.

The business

All the banks face pressure to manage their cash effectively. This pressure will increase, so banks need to manage their liquidity in a very tightly controlled manner.

The management of liquidity on a real-time basis is paramount if a bank is not to run into difficulties during the day. What will be the cost of intra-day borrowing? Banks with excess liquidity are already gearing up with real-time liquidity management so that they can sell liquidity intra-day. The alternative, which is using repos in real-time gross payment systems to raise liquidity, when there is a shortfall of funds, costs the bank money, not only in charges but also in using valuable collateral which could be generating revenue for the



Bank through securities lending or repos. The overnight batch report followed by the morning tick-back reconciliation is no longer adequate in the time critical world of CLS and the real-time world of RTGS systems.

The solution: **Cash-in™** FOR INTRA-DAY LIQUIDITY

The Cash-in™ software solution is intended to be used by the Treasury (Back or Middle Office) of the Bank. It offers accurate, complete and real-time information about the available funds of the NOSTRO accounts as well as the overall position of the Bank for a specific currency, drastically improving the cash management and liquidity.

Liquidity Management - Real Time & Intra Day

Intra-day reconciliation enables financial institutions to forecast cash flows more effectively and manage liquidity on a real-time basis, enabling greater control of a firm's financial exposure and greater ability to exploit market trends. The ability to reconcile intra-day as opposed to on an overnight batch basis significantly reduces risk exposure, as slow-to-settle transactions are immediately identified and located. This will not only satisfy the regulators but also ensures risk and compliance policies are fully met.

Liquidity Forecasting

Cash-in™ modules uses SWIFT cash movement MT messages and matches between submitted and received ones and against transactions received from the Legacy Systems to provide real-time account balances, enabling intra-day reporting, intra-day valuation and intra-day risk management.

By deploying Outsourcing's Cash-in™ solution banks are able to project the ledger items expected to be settled during the day and then monitor the flow of monies coming into the account. This enables more effective use of cash balances.

The display of real time forecasting, confirmed and waiting balances provided by the Cash-in™ modules enables funding actions to be taken against a cash shortfall, or the opportunity for a cash surplus to be reinvested.



How it Works

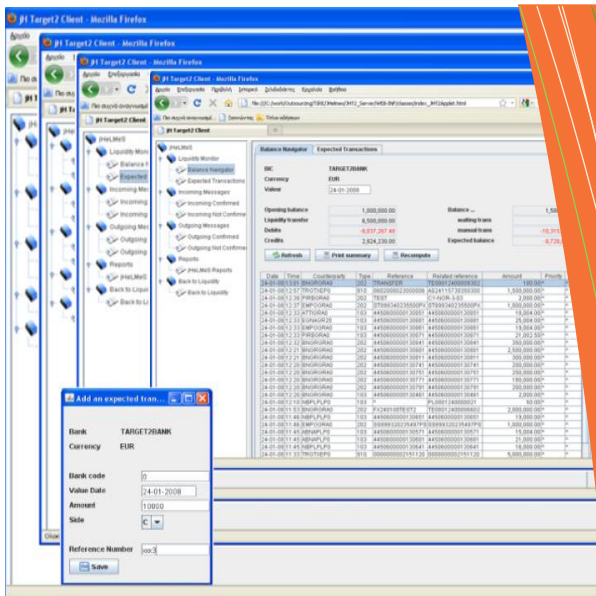
Cash-in™ has been developed with state of the art technologies (Java in conjunction with Object-Oriented Architecture) and has been extensively tested for its reliability.

Cash-in™ Software System has been build based on 3-tier architecture.

It includes several Parser Engines for data transformation and orientation, several Matching & Reconciliation Engines, a database Server for data Communication and an Exception Engine for managing events and Exceptions.

Parser Engines: Are used for translating into the appropriate Data Base Table the data feeds of the System, which are: Swift Messages (from & to the NOSTRO), NOSTRO transactions from the legacy system (either from Accounting or from payments subsystem or both), and user's provisions (i.e. significant payments that are going to be settled).

Depending on the data source (Swift, Host, and User) and the type of the NOSTRO Account, the associated Match & Reconciliation Engine is activated in order to build the Statement of the account and the available balances table.

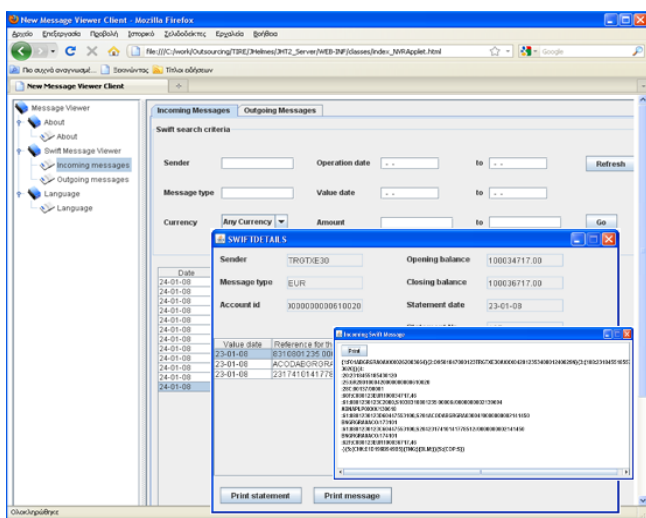


Cash-in™
FOR INTRA-DAY LIQUIDITY



Advantages

- Minimize intra-day limits
- Tighter intra-day limits
- Real time overview of limits, assets in the right place at the right time
- Reduce overdrafts & cost of borrowing
- Maximize investment opportunities
- Regulatory compliance
- Real time



Available real time balances

(on Currency and/or NOSTRO Level)

Per Fwd Value Date:

- Opening Balance (Their)
- Open Items
- Overnight Balance (Our)
- As of Balance (Last good known)
- Waiting Transactions
- Expected Transactions



Informations for Intra-day Liquidity



Intraday Liquidity Management

for Treasury, Back/Middle Office

Complete and Real Time Information about the available funds of the NOSTRO accounts.

- ✓ Daily cash flow
- ✓ Liquidity Management
- ✓ Risk Management
- ✓ Reporting