

What's New in Temenos Transact

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Release Highlights

Banking Framework

Accounts » Overriding Rule-Based NSF Decisioning

Banks can now override the rule-based NSF decisioning of account transactions using the user exit routine.

The topics related to this feature are given below:

[Processing NSF Parameter](#)

[Overriding Rule-Based NSF Decisioning](#)

Corporate

Facility » Interest Accruals, Repayment and Payoff in Facility and Drawings

The Portfolio Allocation functionality in the Facility module is enhanced to include interest accruals, bill generation, repayment, and payoff features. This enhancement includes the following functionality.

- Based on each portfolio's share, interest is accrued separately for each portfolio and is recognised as their income in P&L.
- All the portfolios get a share as part of the repayment when a payment is due. To specify the share of each portfolio in the payment made due, a separate bill is created for each portfolio with its share. When the customer repays, the portfolios' shares are settled during payoff.

The topic related to this feature is given below:

[Interest Accruals](#)

[Repayment](#)

[Payoff](#)

Islamic Banking

Islamic Deposits » Evaluation of Exclusion Conditions for Mudaraba Savings Accounts

Mudaraba savings accounts can be configured to be included in the PDS calculation. If the customer holds balances in the account, then the profit amount is paid to his account based upon the balance calculation configuration (set up as Average/ Minimum/ Daily). For minimum balance calculation, the Balance exclusion and Transaction count exclusion evaluation conditions can be configured, and if the exclusion conditions fail no profit amount is paid for the period.

- If the minimum balance amount during the month is below the configured threshold amount, then no profit amount is calculated for the month.
- If the daily minimum balance amount is less than the threshold amount, then no profit amount is calculated for the day in the PDS period.
- In a month, if the number of transactions performed on the particular transaction code exceeds the threshold count, then no profit amount is calculated for the month.

While running profit accruals the configured exclusion conditions are evaluated and notional accrual accounting entries are posted for the eligible accounts.

During PDS simulation, the exclusion conditions are evaluated again for those accounts and the balances are recalculated. Based upon the calculated balances the profit rate is calculated and used during PDS distribution.

Click [here](#) to understand the installation and configuration updates for this enhancement.

Click [here](#) to understand the technical impact of this enhancement for customisation and upgrades.

The topics related to this feature are given below:

[Configuring Evaluation Criteria using
ID.ACCOUNT.CONDITION](#)

[Mudaraba Account - Evaluating Daily and Monthly Minimum](#)

[Mudaraba Account -Evaluating Daily, Monthly Minimum and
Calculating Profit Accruals](#)

[Close on PDS Run](#)

[Scheduling PDS simulation](#)

[Calculating Mathematical weighted Average balance](#)

[Creating and Simulating a New Mudaraba account - Monthly
minimum Arrangement](#)

[Creating and Simulating a New Mudaraba account - Daily
minimum Arrangement](#)

Private Wealth

Securities » Crypto Assets

Transact supports trading in cryptocurrencies by managing these currencies as security instruments in the `SECURITY.MASTER` table and allowing a high precision for nominal. Suitable APIs are available to handle the creation of Crypto assets, wallets and settlements.

The following functionalities are handled by Transact:

- Maintaining wallet addresses.
- Capturing buy and sell transactions using the SC module.
- Maintaining positions and valuations.

The topic related to this feature is given below:

[Crypto Assets](#)

Derivatives » Grouping and Placing of Multiple Orders as a Single Order

Orders of multiple customers with the same contract, maturity date, underlying maturity date, strike price, call or put option, and buy or sell combinations are grouped and placed as a single order in the market in the parent-child structure.

Banks can now group any number of derivative client orders and place them as one single order in the market. Bulk orders with multiple customers are categorised into customer and market to avoid any amendment or cancellation of one side impacting the other. The parent order is sent to the market, whereas the child order holds each customer's order details. On execution of the parent order, the system automatically prorates and fills the child orders. Trades are generated directly between the customer and the broker, that is, the customer from the child order and broker from the parent order are combined to form a single trade.



The topic related to this feature is given below:

[Introduction to Order Grouping](#)

Regional Banking Solutions

Australia Model Bank

Account Information APIs (AISP) » Joint Holders

This functionality allow banks to manage the details of the overall data sharing status of the open banking accounts and create, revoke the customers relationship based on the nomination status.

The topic related to this feature is given below:

[Account Information APIs \(AISP\)](#)

Lending » Flexible Repayment Based on the Fixed Amount

This functionality allows banks to:

- Create a request for the direct debit and set up the flexible repayment amount through the direct debit.
- Set up an automatic repayment on the loan based on the customer request.
- Set up a flexible automatic repayment amount on the loan based on the customer request.

The topic related to this feature is given below:

[Lending](#)

China Model Bank

Deposits » Corporate Deposits

This functionality allows banks to manage corporate deposits like demand deposits, time deposits, call deposits and agreement deposits. Also, this functionality enables banks to perform some special operations on corporate deposits.

New configuration records have been released as part of this functionality, to allow the handling of corporate deposits.

The topic related to this feature is given below:

[Deposits](#)

Teller Operations » Settlement

This functionality enables banks to perform cash deposit transactions in both foreign currency (FCY) and local currency (LCY) for individual customers.

The topic related to this feature is given below:

[Teller Operations](#)

Hungary Model Bank

Warrants » Queue Handling the Fees

The queue item fee is charged whenever a warrant type is placed in an account and it has been queued. This functionality allows banks to manage the exceptions of applying the queue item fees for the warrant types.

The topic related to this feature is given below:

[Warrants](#)

Warrants » Partial Settlement for CB and ABNos

This functionality allow banks to update the Authority Block with no Settlement (ABnoS) and Criminal Block (CB) warrant records, if partial settlement is made manually without cancelling the warrant.

The topic related to this feature is given below:

[Warrants](#)

UK Model Bank

Direct Debit Mandate Processing » AUDDIS and ADDACS Reports

This functionality allow banks to parameterise and validate the payment types related to a loan arrangement available in Temenos Transact.

The `UKDDMP.PARAMETER` application has been introduced as part of this functionality to allow banks to configure the payment types which are supported by the financial institution. The configured values are used to validate the payment types of the loan arrangement in order to establish a link or a delinking between the DD mandate and loan arrangement.

The topic related to this feature is given below:

[Direct Debit Mandate Processing](#)

United States Model Bank

Core » Multiple Settlements

This functionality allows banks to manage multiple settlement requests based on a single authorisation request.

The topic related to this feature is given below:

[Core](#)

Real Time Gross Settlement » Automatic Correction of Account Number

Incoming credit account numbers in Fedwire messages are sometimes incorrectly sent with leading zeros or prefixed with the routing number of the recipient financial institute.

This functionality allows financial institutes to manage the removal of leading zeros and routing numbers. Correction routines have been added to the Fedwire parameter to automatically correct the account number in incoming payments.

The topic related to this feature is given below:

[Real Time Gross Settlement](#)

Real Time Gross Settlement » Fedwire Initiation with Beneficiary FI BIC

This functionality allows banks to initiate payments from the Payment Hub (PH)



where the beneficiary Financial Institution (FI) is a domestic institution that can be identified either using the routing number or Bank Identifier Code (BIC) code.

The topic related to this feature is given below:

[Real Time Gross Settlement](#)

Real Time Gross Settlement » Fedwire Return File Generation

This functionality allows banks to automatically update the correspondent bank for an ineligible routing number into the correct field in the wire transfer, if the correspondent bank is configured. Also, the wire transaction will be moved to the repair status for operator intervention, if the correspondent bank is not known, and the operator will be able to manually insert a correspondent bank.

The topic related to this feature is given below:

[Real Time Gross Settlement](#)

Retail

Collections » Override for Excess PTP Amount

The Collections module now allows a promise-to-pay (PTP) for an amount more than the overdue or unauthorised overdraft amount while updating a customer's promise-to-pay commitment. The system only raises an override for this, which can be converted to an error if required.

The topic related to this feature is given below:

[Dunning and Possible Results](#)

Arrangement Architecture » Enhanced Statement Narrative Configuration

The existing Statements feature that displays only the property name or the activity name as transaction description is now enhanced to provide a clear and user-friendly representation of financial activities in the Customer Account Statement. The user can generate the statement by launching the account statement online enquiry or through automated account statement generation during COB on the configured frequency.

The topics related to this feature are given below:

[Parameterising Statement Narratives](#)

[Configuring AA Statement Parameter](#)

[Configuring Narrative Parameters](#)

[Configuring Narratives Formats](#)

[Parameterising Statement Narratives](#)

[Narratives for Different Types of Transactions for Loan Arrangement](#)

[Narratives for COB Statements](#)

[Account Statement Format](#)

[Using AA.NARRATIVE Enquiry during COB](#)

[Creating or Editing Statement Narrative](#)

Arrangement Architecture » Add New Property

The New Property Update feature is now enhanced (Add New Property) to support additional property classes in Lending (AL), Deposits (AD), and Accounts (AR). New property/properties can be added to an existing arrangement on the current date, future date or a back(past) date.

In AA . PRODUCT . MANAGER, the financial institutions can define Start (Start date of the Arrangements in the product), Today (Current System Date) or Date (Past, current, future date) on which the new property has to be updated in the existing arrangements.

The existing *New Property Update* attribute is deprecated for the Accounts, Deposits, Lending product lines. A new set of attributes are introduced for Add New Property feature in AA . PRODUCT . MANAGER.

The topics related to this feature are given below:

[Add New Property](#)

[Add New Property To Existing Arrangements](#)

Retail Deposits » Setting up Cooling period with Closure Property Class

Transact now allows the bank to set up cooling period attributes for deposit products (AD) and account product line (AR) using the Closure property class. Banks can specify the particular property class or property for which a waiver or refund is to be done if the deposit or account is closed within the cooling period.

The Balance Availability property class is enhanced to define the notice withdrawal definitions within the cooling period. It allows the banks to define the notice conditions within and outside the cooling period using the Period Type attribute in the Balance Availability property class.

The topics related to this feature are given below:

[Configuring Cooling Period](#)

[Cooling Period using Closure Property Class](#)

[Configuring Period Type Attribute](#)

[Capturing Withdrawal Notice within or after Cooling Period](#)

[Period Type Attribute](#)

[Setting up Cooling period with Closure Property Class](#)

[Configuring Period Type Attribute in account product line](#)

[Capturing Withdrawal Notice within or after Cooling Period
account product line](#)

Retail Accounts » Account Live Closure using Default Beneficiary

It is now possible to perform a live closure in a retail account (AR) and transfer the proceeds to a specified beneficiary or a default beneficiary via Payment Order and the corresponding payment system like TPH.

PAYOFF property class is enabled to transfer the closure proceedings via beneficiary with payment order in case of credit balance at the time of account closure. If the PAYOFF property class is not specified and the default beneficiary is specified, the entire PAYOFF amount (credit balance) at the time of closure is settled to the beneficiary specified in the default beneficiary by using the first pay-out payment order product specified in settlement instructions.

PAYOFF\$CURRENT payment type is enabled to settle the closure proceedings via beneficiary with payment order in case of debit balance at the time of account closure. If the PAYOFF\$CURRENT payment type is not specified and the default beneficiary is specified, the entire PAYOFF\$CURRENT amount (debit balance) is settled by using the beneficiary specified in default beneficiary by using the first pay-in payment order product specified in settlement instructions.

The topics related to this feature are given below:

[Live Payoff \(Settlement Through Payment Order\)](#)

[Live Payoff \(Through Settlement Account or Beneficiary using Payment Order\)](#)

[Balance Prefix and Suffix](#)

[Live Closure of an Account](#)

Retail Accounts » Account Live Closure using Default Settlement Account

The user can specify an account in default settlement account during the live closure of an account (AR) which enables the system to transfer the closure proceeds using the default settlement account if the required settlement details are not available.

If the PAYOFF property class is not specified and the default settlement account is specified, the entire PAYOFF amount (credit balance) at the time of closure is settled to the account specified in the default settlement account. If the PAYOFF\$CURRENT payment type is not specified and the default settlement

account is specified, the entire PAYOFF\$CURRENT amount (debit balance) is settled by using the account specified in the default settlement account.

The topics related to this feature are given below:

[Live Payoff \(Settlement Through Payment Order\)](#)

[Live Payoff \(Through Settlement Account or Beneficiary using Payment Order\)](#)

[Balance Prefix and Suffix](#)

[Live Closure of an Account](#)

Arrangement Architecture » Calculating Annual Percentage Rate for Forward-Dated Changes

When there is a forward-dated rate change, the system can recalculate and store the Annual Percentage Rate (APR) as of the effective date of the rate change.

- The new APR rate is available in advance and can be notified to the customer along with the rate change.
- The recalculated APR considers the outstanding principal or net present value as of the future date along with cashflows from the future effective date.

In addition to this, when the APR is set to be calculated using the outstanding principal (as defined in the *Recalc Method* field in AA.APR.TYPE application), and a rate change occurs in the middle of the interest period, then the cashflow for the first period considers only the interest component from the date of the rate change to calculate the new APR.

The topic related to this feature is given below:

[Calculating Annual Percentage Rate for Forward Dated](#)



Changes

Technology

Interaction Framework

IRIS R18 » Externalization of Cross-product-config

Since the properties available as part of the cross-product-config.properties file cannot be modified without changing the actual file in the API framework container, IRFX is enhanced to configure the properties in cross-product-config.properties as environmental variables without any user intervention in the war file. The environmental variables have higher priority than the variables present in the property files.

The topics related to this feature are given below:

[Externalization of cross-product-config](#)

Platform Framework

Event Store » User Audit in Event Store

The day-to-day bank users and customers perform business operations through a user-agent or channel applications.

Banks can now inquire about the financial and non-financial transactions performed by the users and audit data changes using the user audit API introduced in Event Store Microservice. This API can fetch the audit log, which provides customer support, ensures compliance, and detects suspicious behaviour. Each audit log entry records the user's identity, actions, and business



operations.

The topics related to this feature are given below:

[User Audit in Event Store](#)

[User Audit with Statechange API](#)

Installation and Configuration Notes

Islamic Banking

Islamic Deposits » Evaluation of Exclusion Conditions for Mudaraba Savings Accounts

- It is mandatory to configure `ID.ACCOUNT.CONDITION` for the principal profit property of the product with the balance exclusion and transaction exclusion criteria (such as *Condition Evaluation Period*, *Evaluation Start Date*(Account opened/ Account funded date) for Balance evaluation, Currency wise *Minimum Balance Amount*, *Initiation Type*, Transactions to be excluded along with Transaction threshold count).
- Only U-‘Category’ records setup in `ID.PDS.CATEGORY` can be configured in `ID.ACCOUNT.CONDITION`.
- `AA.ACCRUAL.FREQUENCY` should be configured with the Accrual Frequency as monthly for the product configured using `ID.ACCOUNT.CONDITION`.

Technical Notes

Islamic Banking

Islamic Deposits » Evaluation of Exclusion Conditions for Mudaraba Savings Accounts

The simulation is terminated with an error in `ID.PDS.ACTION.STATUS`, when it is triggered for an ad-hoc period, for pools linked with account arrangements configured using `ID.ACCOUNT.CONDITION`.