temenos

What's New in Temenos Transact

September 2023

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Key Features

The following are the key features of 202309. For the list of Reference Business Process, click **HERE.**

CORPORATE

Financial Reporting for Club Loans

The Club Loans module is enhanced to use Reporting Property Class for club loan contracts. The Reporting property class is now used to define the IFRS reporting type and sub-types for the own bank's share in a club loan contract.
Click here to read the full story 🔗

REGIONALIZED SOLUTIONS

Australia

Manage BPAY Biller Details

This functionality allows banks to display the validation rules and the check digit rules through the AUBPAY.VALIDATION.RULE.API.QUERY.1.0.0 and AUBPAY.CHECK.DIGIT.RULE.API.QUERY.1.0.0 enquiries.
Click here to read the full story 🔗

New Fields in the External Property Class and Its Validations

This functionality enables banks to manage the sync of Interest and Payment Schedule conditions, to have the same date. Also, bank users can restrict the usage of the start and end date in the Schedule condition against the Interest property and, create future dated conditions only using the tab.
Click here to read the full story 🔗

China

Daily Matching Enquiry

This functionality allows banks to capture the relevant entries based on daily matching parameter configurations and update the information in the daily matching details application, for the AA Deposits, AA Accounts and AA Lending applications. Also, banks can display the off-balance sheet entries summary and details by branch and user, the summary by currency, items, debit counts, debit amount, credit count and credit amount.
Click here to read the full story 🔗

United Kingdom

Processing Incoming AWACS File

This functionality enables banks to process the incoming AWACS files.
Click here to read the full story 🔗

Temenos Retail Enterprise APIs

This functionality allows banks to perform the relevant business functions as part of the retail enterprise solution package, through the new versions and enquiries provided with APIs introduced as part of this solution.
Click here to read the full story 🔗

United States

ACH Statement Narrative

This functionality allows banks to display Regulation E transaction details. Click here to read the full story 🔗

Non-Returnable Debits on Closed Accounts

This functionality allows banks to manage the process on POS debit and credit transactions which are posted to a closed account, to continue the business as usual to prevent losses. Click here to read the full story 🔗

PRIVATE WEALTH

Posting Periodical Fee by Cumulating Monthly Charges

For periodical fees (that is Safecustody and Advisory fees), where posting is quarterly or semi-annually and accrual is monthly, it is now possible to calculate the fee every month and debit the cumulative value on the posting date, without recalculating. Click here to read the full story 🔗

RETAIL

Archival Process Enhancements

AA Archiving was so far restricted to closed arrangements only. It is now possible to archive the subset of AA tables (such as

`AA.ARRANGEMENT.ACTIVITY,AA.PROCESS.DETAILS,` and

`AA.ARR.<PROPERTY>`) for live arrangements using DLM based archiving.
Click here to read the full story 🔗

Defining Restriction in Back Dated Activity Processing

It is now possible to restrict the maximum days backward upto which a back dated activity can be performed using *Max Back Dated Activity* in `AA.PARAMETER` table. Click here to read the full story 🔗

EXTENSIBILITY FRAMEWORK

Externalising jms.properties

Introduced dsf-encrypton-tool.zip artefact to encrypt raw passwords. Click here to read the full story 🔗

INFRASTRUCTURE MICROSERVICES

Blue Green Deployment in Microservice Upgrade

Infrastructure microservices are enhanced with the Blue-Green Deployment as an upgrade mechanism. This allows the user to upgrade from one version of MS to another version without downtime.
Click here to read the full story 🔗

Transport Layer Security for Microservices

AKS hardening is used to secure the data transfer between the microservice containers and microservice database using Secure Sockets Layer / Transport Layer Security (SSL/TLS).
Click here to read the full story 🔗

Release Highlights

Corporate

Club Loans » Financial Reporting for Club Loans

The Club Loans module is enhanced to use Reporting Property Class for club loan contracts. This enhancement includes the following functionalities:

- The Reporting Property Class is used to define the IFRS reporting type and sub-types for own bank's share in a club loan.
- The Reporting Property Class is used as an interface to the common cash flow engine, which provides information on cash movements of assets and liabilities.
- According to IFRS standards, instead of realizing the profit of certain charges in a straight-line method, the bank should include all the cash in-flows and out-flows, concerning the respective contract, and arrive at an effective interest rate.

> **The topic related to this feature is given below:**
>
> Financial Reporting for Club Loans

Facility » Charge-off, Write-off, and Balance Maintenance

A bank can charge-off, write-off, capture, and adjust the balances of an internal portfolio in a loan which has sold its risk to external risk participants.

- When a loan is expected to be nonperforming, a bank can charge off a part of the principal without informing the borrower.
- When a bank has already sold a part of its risk in the loan to a risk Participant then bank can charge off only the remaining portion of the loan.
- When a loan is already overdue and there is no possibility of repayment from the borrower, the bank can write off the loan.

- Once a loan is written off, the loan balances of all the portfolios and the existing risk participants are also written off.

- During takeover of a loan from another bank, the balances of existing risk participants for each portfolio can be captured and adjusted.

The topic related to this feature is given below:

Charge-off, Write-off, and Balance Maintenance

Islamic Banking

Islamic Deposits » Pay only PDS Calculated Profit Amount to Mudaraba Deposit

The Mudaraba deposits maturity and pre-closure functionality is now enhanced to keep the accrued profit amount in the Mudaraba deposit arrangement. This deposit can be included in the current PDS distribution.

- For the matured or rolled over deposits, the PDS calculated profit rate is used to recalculate the profit amount and it is paid to the customer account.
- If the deposit is pre-closed, the profit amount can be recalculated till the last PDS end-date and it is adjusted in the principal payment paid to the customer account. During the current PDS distribution, the PDS calculated profit rate is used to recalculate the profit amount and it is paid to the customer account.

> **The topic related to this feature is given below:**
>
> Early Maturity (Pre-closure) of Mudaraba Deposit

Private Wealth

Securities » Posting Periodical Fee by Cumulating Monthly Charges

For periodical fees (that is Safecustody and Advisory fees), where posting is quarterly or semi-annually and accrual is monthly, it is now possible to calculate the fee every month and debit the cumulative value on the posting date, without recalculating.

It is also possible to freeze the average asset balance on which the fees are calculated. The AUM on which fees are calculated is frozen and will not change due to back dated price changes or transactions.

> **The topics related to this feature are given below:**
>
> Posting Periodical Fee by Cumulating Monthly Charges in Safe Custody Fees
>
> Posting Periodical Fee by Cumulating Monthly Charges in Management or Advisory Fees

Retail

Arrangement Architecture » Archival Process Enhancements

The system is enhanced to archive the following subset of AA tables for live arrangements to control the live database growth as part of Data Lifecycle Management (DLM) process.

- `AA.ARRANGEMENT.ACTIVITY`
- `AA.PROCESS.DETAILS`
- `AA.ARR.<PROPERTY>`

The topics related to this feature are given below:

[Introduction to Archival Process](#)

[Configuring Archival Process](#)

[Working with Archival Process](#)

[Back Dated Activity Processing](#)

[No Log](#)

Arrangement Architecture » Defining Restrictions in Back Dated Activity Processing

It is now possible to restrict the maximum days backward upto which a back dated activity can be performed. As part of improving the archival process, the *Max Back Dated Activity* attribute in the `AA.PARAMETER` table can now be used to define the period (NND or NNM or NNY). The system does not allow users to trigger back dated activities prior to the period specified in this attribute. This facilitates identifying AA.ARR.<PROPERTY> records that can no longer be modified making them eligible for archiving.

The topic related to this feature is given below:

Back Dated Activity Processing

Regionalized Solutions

Australia Model Bank

BPAY (Bill Payments) » Manage BPAY Biller Details

This functionality allows banks to display the validation rules and the check digit rules through the AUBPAY.VALIDATION.RULE.API.QUERY.1.0.0 and AUBPAY.CHECK.DIGIT.RULE.API.QUERY.1.0.0 enquiries.

> **The topic related to this feature is given below:**
>
> BPAY (Bill Payments)

Lending » Multiple Loans and Package Pricing

This functionality allows banks to create and update parameters for the loan package facility based on the loan product and customer role using the `AULEND.PACKAGE.PARAM`,`AULEND.API.LOANS.1.0.0` version released as part of this functionality. The loan package details for a customer can be retrieved using the AULEND.API.PACKAGE.DETAILS.LIST.1.0.0 enquiry. A master loan can be updated in a loan package as per the customer request using the `AULEND.PACKAGE.DETAILS`,`AULEND.API.LOANS.1.0.0` version. Also, the waive package fee can be updated in a loan package using the `AULEND.PACKAGE.DETAILS`,`AULEND.API.WAIVE.1.0.0` version.

When a loan is split into a single loan or multiple loans, new loans can be created in a different product. Similarly, multiple loans can be merged into single or multiple loans in a different product. In such scenarios, based on the loan availability in any package, a new package may be created or may be continued

in the existing package.

> **The topic related to this feature is given below:**
>
> Lending

Lending » New Fields in the External Property Class and Its Validations

This functionality enables banks to manage the sync of Interest and Payment Schedule conditions, to have the same date. Also, bank users can restrict the usage of the start and end date in the Schedule condition against the Interest property defined in the *Ref Int Property* of the XAU.LOAN.PRODUCT.CONTROLS property. The users will create future dated conditions only using the tab.

The interest key will default based on the loan purpose, interest type and payment type as defined in the external property class when an arrangement is created.

> **The topic related to this feature is given below:**
>
> Lending

China Model Bank

Teller Operations » Daily Matching Enquiry

This functionality allows banks to capture the relevant entries based on daily matching parameter configurations and update the information in the daily matching details application, for the `PAYMENT.ORDER`, `TELLER`, `FUND.TRANSFER`, `BL.BILL`, `LD.LOANS.AND.DEPOSITS`, `STOCK.ENTRY`, `PAYMENT.STOP`, `PD.CAPTURE`, `PD.PAYMENT.DUE`, `MM.MONEY.MARKET`, FOREX, SWAP, `MD.DEAL`, `LETTER.OF.CREDIT`, `DRAWINGS`, **AA Deposits**, AA Accounts and AA Lending applications.

This functionality allows banks to display the off-balance sheet entries summary and details by branch and user, the summary by currency, items, debit counts, debit amount, credit count and credit amount.

> **The topic related to this feature is given below:**
>
> Teller Operations

United Kingdom Model Bank

Beneficiary Services Functionality » Processing Incoming AWACS File

Advice of Wrong Account for Automated Credits Service (AWACS) is a fast and efficient electronic messaging service allowing payment service providers (PSP) to notify service users of any changes to a Bankers' Automated Clearing Services (BACS) Direct Credit payment, providing them with the information needed to help maintain their payments database. This functionality enables banks to process the incoming AWACS files.

The incoming AWACS file received will be processed by the interface adapter and the `BENEFICIARY` application will be updated through the existing service which compares the existing beneficiary details and received details.

The Camel interface adapter will process the incoming AWACS file which will be in the XML format and will load the data into Temenos Transact application.

> **The topic related to this feature is given below:**
>
> Beneficiary Services Functionality

Direct Debit Mandate Processing » Dormancy Period for BACS Direct Debit Mandate

Complying with Bankers' Automated Clearing Services (BACS) rules, Direct Debit Instructions (DDIs) have an active period after which they become dormant. The service user can have individual dormancy periods that are published in the Direct Debit Originator (DDO) directory.

This functionality enables banks to perform manual maintenance of the dormancy period. Using this functionality banks are able to update the dormancy

period by the import of the DDO extract, check the dormancy on active mandates based on the dormancy period of the service user, reset the dormancy period and also reinstate the DDI.

> **The topic related to this feature is given below:**
>
> Direct Debit Mandate Processing

Individual Savings Accounts – Cash ISAs » Temenos Retail Enterprise APIs

The Temenos Retail Enterprise solution or RES offers a suite of retail functionalities that includes the capabilities of Temenos Transact, FCM and infinity bundled together. RES from a country model perspective provides banks with country specific functionalities that are relevant for retail banking.

This functionality allows banks to perform the relevant business functions as part of the retail enterprise solution package, through the new versions and enquiries provided with APIs introduced as part of this solution.

> **The topic related to this feature is given below:**
>
> Individual Savings Accounts - Cash ISAs

United States Model Bank

ACH Framework » ACH Statement Narrative

Regulation E is the legal act that all financial institutions must comply within reference to electronic fund transfers such as ACH credit/debit transfers, bill payment services, wires, point-of-sales (POS) terminal transfers in stores, and preauthorized transfers from and to a consumer's account).

Consumers must receive a periodic statement that includes the type of electronic transfer; the amount and date of transaction posted along with all the required Reg E information, transaction details and addenda information based on ACH SEC codes.

This functionality allows banks to display Regulation E transaction details.

The topic related to this feature is given below:

ACH Framework

Retail » Non-Returnable Debits on Closed Accounts

This functionality allows banks to manage the process on POS debit and credit transactions which are posted to a closed account, to continue the business as usual to prevent losses.

As part of this functionality for processing non-returnable items, new enquiry has been created to allow users to handle the options provided either to charge off or charge back the transactions received.

The topic related to this feature is given below:

Regulations » Telephone Consumer Protection Act

This functionality allows banks to capture the telephone consent and consent details by device instead of by the customer. This helps retain the latest consent provided by a customer for a shared device.

The topic related to this feature is given below:

Regulations

Regulations » Customer Device Consent Update Service and SCV Changes

This functionality allows banks to update the consent for individual telephone devices.

The topic related to this feature is given below:

Regulations

Technology

Extensibility Framework

Temenos Packager » Externalising jms.properties

Temenos Packager is now enabled to allow the users to externalise the jms.properties of the `dsf-iris.war` file, so that manual changes are not made in the `dsf-iris.war` file. The `dsf-encrypton-tool.zip` artefact is introduced to encrypt raw passwords.

> **The topics related to this feature are given below:**
>
> Externalize jms.properties
>
> DSF Encryption Tool

Integration Framework

Data Event Streaming » Externalizing Log Configuration for DES

The logger levels can now be modified directly through environmental variables externally instead of changing each component jar individually. The logger levels can be modified for,

- Data Event Streaming using environmental variable
- K8s using values.yaml

> **The topic related to this feature is given below:**
>
> Externalizing Log Configuration for DES

Data Event Streaming » Supporting Confluent-7.4.0 Upgrade

This enhancement supports the latest confluent version of Kafka, Schema Registry. The schemas must be registered with the standard Kafka v3 naming conventions.

> **The topic related to this feature is given below:**
>
> Confluent 7.4.0 Upgrade

Infrastructure Microservices

Infrastructure » Blue Green Deployment in Microservice Upgrade

Infrastructure microservices are enhanced with the Blue-Green Deployment as an upgrade mechanism. This allows the user to upgrade from one version of MS to another version without downtime.

Blue - Green deployment is rolled out only for the K8 package and the upgrade is available only for infrastructure microservices.

> **The topic related to this feature is given below:**
>
> Blue Green Deployment in Database Upgrade

Infrastructure » Transport Layer Security for Microservices

AKS hardening is used to secure the data transfer between the microservice containers and microservice database using SSL/TLS. The data transfer between the pods and database can be secured either by enabling one-way or two-way TLS.

> **The topic related to this feature is given below:**
>
> Transport Layer Security for Microservices

Technical Notes

Retail

Arrangement Architecture » Defining Prefix for No log or Restrict log Activity

No log or restrict log activity record ID now has a prefix AAACN while the regular activity record ID continues with prefix as AAACT. This is introduced to improve the selection process of no log and restrict log activities for archiving.