temenos

What's New in Temenos Transact

December 2023

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Key Features

The following are the key features of 202312. For the list of Reference Business Process, click **HERE.**

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Nofile Enquiry Extension for API

The API response (for nofile enquiry) returns the values with the new extension fields and the fields schema. Click here to read the full story 🔗

BANKING FRAMEWORK

Securing Limits with External Collaterals

The Transact Limit System is enhanced to allow securing the limit with external collaterals. Click here to read the full story 🔗

REGIONALIZED SOLUTIONS

Australia

Rate Lock

This functionality enables bank users to input a fixed interest rate that the customer wishes to guarantee for their settlement (known as a rate lock) when setting up a loan account via Temenos Transact or APIs.
Click here to read the full story 🔗

Mexico

Customer Regulatory Requirements

Using this functionality, bank users are able to create individual and corporate customers with SCIAN code and CNBV sector values, amend individual and corporate customers, view individual and corporate customers based on the customer Id, view the list of SCIAN codes and CNBV sectors using API's.
Click here to read the full story 🔗

Loan Classification Stages

This functionality allows bank users to classify the loans as per the overdue days defined in the parameter application. Click here to read the full story 🔗

United Kingdom

Booking the Unprotected Funds to Suspense Account

This functionality enables banks to manage the eligible compensable balance for deposits that will be credited into an internal suspense account as part of the continuity of access process. Click here to read the full story 🔗

Predefined Accounts Products

This module covers the representative UK instant access account products like Easy Access Saver, Limited Access Saver, Regular Saver, Junior Saver and Notice Account that can be used out-of-the-box.
Click here to read the full story 🔗

RETAIL

Scheduling Interest Payment / Capitalisation at End of Day (EOD) during COB

The system is now enhanced to initiate the interest payment or capitalisation activities at EOD during COB for the Deposits product line, so that the closing balance of the deposit can be considered for accrual calculation.
Click here to read the full story 🔗

Product Variation based on Arrangement Term

Conditions by Term functionality in Deposits helps the bank to minimise the number of required products. Click here to read the full story 🔗

INTERACTION FRAMEWORK

API Filtering

IRIS provides API filtering to load the required services for use without deploying all the services available in the IRIS war files. Only the latest version of the services alone can be loaded through configuration.
Click here to read the full story 🔗

PLATFORM FRAMEWORK

Swagger Schema API in Virtual Table Microservice

A Swagger Schema API is introduced in Virtual Table Microservice to generate a swagger schema for virtual tables dynamically.
Click here to read the full story 🔗

USER EXPERIENCE

Generating and Confirming Encrypted Passwords

The reconfirm password option is introduced in the Encrypt Password tool to allow users to reconfirm the password if entered incorrectly. Click here to read the full story 🔗

Release Highlights

Application Framework

System Core » Nofile Enquiry Extension for API

Previously, a nofile enquiry did not have the ability to extend the fields based on propagation definition. This limitation has now overcome by allowing the nofile enquiries to also extend the fields from any of its parent version, thus avoiding the need to modify individual nofile enquiries to extend it, for local reference (propagation) fields. Any nofile enquiry can now have a named method <<ENQUIRY.NAME>>.EXTENSION, which is invoked in two stages as listed below:

- **Requesting for Meta data of the nofile enquiry** ensures that the propagated fields are included in the meta data resposne and projecting it as an first class field within the enquiry
- **Runtime of the nofile enquiry** ensures that each row of enquiry response holds the value of the propagated fields, the definition for which was returned as part of the meta data request.

Note: The named method is required to be designed according to the individual enquiries and must consider the response requirements for it.

> The topic related to this feature is given below:
>
> Nofile Enquiry Extension for API

Banking Framework

Limits » Securing Limits with External Collaterals

The Transact Limit system is enhanced to allow securing the limit with external collaterals.

This means that the value of collaterals maintained outside Temenos Transact can be fed into Temenos Transact Limit system to cover the exposure.

The external collaterals currency can be different from the limit currency and collaterals in different currencies can be used to secure a single limit.

This gives customers the flexibility to use the collaterals maintained in external collateral system to secure the limit in Temenos Transact.

The topic related to this feature is given below:

Securing Limits with External Collaterals

Regionalized Solutions

Australia Model Bank

Lending » Adhoc Activity Charges Settled through Direct Debits

This functionality allows banks to perform the reversal of activities-based charges and the deferred collection of charges. Also, this functionality enables banks to create, update and view the `AULEND.PACKAGE.PARAM` parameters record using the `AULEND.PACKAGE.PARAM,AULEND.API.LOAN.PACKAGE.2.0.0` version provided with APIs.

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

Rate Lock

The rate lock is an agreement between a customer and a bank that allows the customer to lock a fixed interest rate over a specified period at the possibility of rising interest rates. If the advertised rate for the customer's chosen fixed rate period falls below the locked rate on the settlement date i.e., disbursement date, the customer will be given the lower of the current advertised fixed rate and the locked fixed rate. To provide this feature to the customers, the bank will charge a Rate Lock fee.

This functionality enables bank users to input a fixed interest rate that the customer wishes to guarantee for their settlement (known as a rate lock) when setting up a loan account via Temenos Transact or APIs. This is so that when settlement and disbursal occur, the system can automatically compute and

compare the rate lock interest rate against the actual interest rate on that day.

The topic related to this feature is given below:

Rate Lock

Mexico Model Bank

Customer Compliance » Customer Regulatory Requirements

Using this functionality, bank users are able to create individual and corporate customers with SCIAN code and CNBV sector values, amend individual and corporate customers, view individual and corporate customers based on the customer *Id*, view the list of SCIAN codes and CNBV sectors using API's.

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

Lending Compliance » Loan Classification Stages

This functionality allows bank users to classify the loans as per the overdue days defined in the parameter application. If a loan is moved to stage 3, then the interest accrual will happen. If the loan is moved to a lower stage from stage 3, then the suspension will be removed. Also, bank users will be able to assign a manual classification to the loan and to see the loan's auto classification and manual classification in the Arrangement Overview screen.

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

United Kingdom Model Bank

Bank Account Modulus Check

This module enables the new bank to perform a modulus check on the customer's account with the old bank prior to accepting and initiating an account switch request from the customer. This check ensures that the switch request is not rejected by the central switch service due to an incorrect account.

The following items have been released as part of this module:

- The `ESBASE.ID.PARAM,UKMODC.INPUT` and `ESBASE.ID.PARAM,UKMODC.AUTH` versions have been released to allow users to update the bank sort codes, mod types and the corresponding weights required for the modulus check.
- The `ESBASE.ID.MAPPER,UKMODC.ALT.SORT.CODE` version has been released to allow users to capture the list of sort codes requiring a substitution.

> **The topic related to this feature is given below:**
>
> Bank Account Modulus Check

FSCS Continuity of Access » Booking the Unprotected Funds to Suspense Account

This functionality enables banks to manage the eligible compensable balance for deposits that will be credited into an internal suspense account as part of the continuity of access process.

The new *Deposit Settlement* field has been introduced to configure the internal suspense account to which the eligible compensable balance for a deposit will be credited in the absence of a settlement account.

> **The topic related to this feature is given below:**
>
> FSCS Continuity of Access

Predefined Accounts Products

This module covers the representative UK instant access account products like Easy Access Saver, Limited Access Saver, Regular Saver, Junior Saver and Notice Account that can be used out-of-the-box. The UK instant access account are preconfigured products, with product conditions in Sterling, except particular FYC accounts.

The Easy Access Saver, Limited Access Saver, Regular Saver, Junior Saver and Notice Account products have been released to allow banks' customers to deposit and withdraw money at any time.

> **The topic related to this feature is given below:**
>
> Predefined Accounts Products

United States Model Bank

NSF Decision and Queue Management » Projected Available Balance Enquiry

This functionality allows users to understand the available balance during the end of day by excluding the debit block that is going to be dropped in EOD of the COB before handling the NSF processing.

The projected available balance is fetched using the USCORE.API.ACC.SUMMARY.2.0.0 enquiry which has been enhanced to provide balances based on the selection criteria.

> **The topic related to this feature is given below:**
>
> NSF Decision and Queue Management

NSF Decision and Queue Management » User Externalization

This functionality enables banks to allocate NSF desks to NSF officers that are moved from the user profile in Temenos Transact to a new configuration application for NSF decisioners. When the user profile is managed within Temenos Transact, the NSF decisioner record key must be set as sign on name defined in the user profile. When the user profile is managed externally, the NSF decisioner record key must be defined as the login name defined in the external system. When the NSF decisioner accesses the NSF decision queue, the NSF accounts will be listed in the queue based on the NSF.DESK and NSF.GROUP linked to the decisioner profile.

> **The topic related to this feature is given below:**
>
> NSF Decision and Queue Management

Regulations » Large Bank Failure

This functionality allows banks to define the threshold balance and percentage amounts per the combination of the FDIC Product Category and FDIC Deposit Class Type, including settlement instructions, as defined by Federal Deposit Insurance Corporation (FDIC), using the restructured FDIC Parameter. The definition of settlement details has been amended to allow the definition of the settlement currency and category versus defining specific settlement account details.

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

Retail

Fixed Deposits » Scheduling Interest Payment / Capitalisation at EOD during COB

The system is now enhanced to schedule the interest payout or capitalise activity at the EOD during COB, on the scheduled date for the Deposit product line, if the *Accrual Rule* is configured as BOTH / LAST. This ensures that the system considers the closing balance of deposit for accrual, so that any partial withdrawals made during the schedule date are also factored in.

The topics related to this feature are given below:

Scheduling Interest Payment / Capitalisation at EOD during COB

Moving Scheduled Activities to End of Day -Configuration

Moving Scheduled Activities to End of Day - Illustrations

Retail Deposits » Product Variation based on Arrangement Term

Deposit products vary in characteristics based on the duration of the deposit. Much of the product configuration remains the same while a small set of conditions differ based on the arrangement term. For instance, interest can be higher or lower depending on market conditions in the shorter term. The settlement of interest can be set to renewal or maturity for shorter terms while it can be paid on a periodical basis for longer deposit contracts. To achieve this, banks can create one master product with varying interest and payment schedule conditions that are dynamically considered based on the arrangement term. This helps the banks to maintain a small set of focused products in the catalog.

This feature is currently enabled only for the Deposit product line and available

for use only when TPM is used as the product manager.

The topics related to this feature are given below:

Product Variation based on Arrangement Term

Rollover Attribute

Technology

Interaction Framework

IRIS R18 » API Filtering

IRIS provides API filtering to load the required services for use without deploying all the services available in the IRIS war files. Only the latest version of the services alone can be loaded through configuration.

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

IRIS R18 » Externalizing Authentication or Authorization Configuration for API

Available from: **202312**

The existing functionality for Open ID Connect (OIDC) authentication demands the user to configure fields required for authentication within the war file. OIDC authentication is enhanced to configure the fields through JVM arguments or the property file without opening the war file within deployment. Filters within the web.xml file can also be enabled based on JVM arguments.

> **The topic related to this feature is given below:**
>
> Externalizing Authentication or Authorization Configuration

Platform Framework

Virtual Table » Swagger Schema API in Virtual Table Microservice

Virtual Table data needs to be rendered in middle office applications. The front-end component requires dynamic screen rendering capability that demands dynamic swagger produced from the Virtual Table Microservice (VTMS). Currently, SRMS2.0 has similar functionality supported using dynamic render capability, and the same functionality is expected for the virtual table to render swagger for virtual tables created in VTMS.

A Swagger Schema API is introduced to use JSON schema definition of virtual tables stored in Generic Config Microservice (GCMS). The new API performs the following:

- Generate dynamic swagger schema with fields.
- List any virtual table records as lookup values for fields.
- Allow UX components to auto-render the fields of virtual tables without manual intervention in UI screens.

> **The topics related to this feature are given below:**
>
> Swagger Schema API in VTMS
>
> Dynamic Swagger Schema

Infrastructure » App Consolidation in Microservices

Each of the Temenos Microservices are designed for different intent. The Microservices architecture contains an API application, multiple ingester (event

consuming app) and scheduler (run batch with fixed delay) applications, which can be interchangeably called 'pod'. The number of pods each microservice requires depends on the business functionality involved and the business decision by the respective microservice owner. More the number of pods, the more resource utilisation it is going to consume (CPU utilisation and memory utilisation).

This feature is enhanced to allow the consolidation of multiple ingester and scheduler applications inside a single pod, with no alteration in business functionality. App consolidation or merging application pods is a strategic approach to optimise costs, enhance resource efficiency, streamline management, and improve overall performance. This practice aligns with the broader goal of achieving a more cost-effective and streamlined cloud infrastructure.

> **The topic related to this feature is given below:**
>
> App Consolidation in Microservices

User Experience

UXP Browser » Generating and Confirming Encrypted Passwords

The encrypt password jar in the UXP Browser prompted the user to enter a password once and then the encrypted value was generated, which was then used in the properties file. If the password was incorrectly entered, it was difficult to identify them during runtime. To avoid this, the reconfirm password option is introduced in the Encrypt Password tool. This Encrypt Password tool in the BRPRuntimeproperties and RSDefaultProperties property files is used to provide the resource server database configurations and other browser options. Any user who is upgrading to a newer version of the UXP Browser or new users configuring the UXP Browser will need to provide the password one more time.

The topic related to this feature is given below:

Encrypt Password Tool