temenos

What's New in Temenos Transact

August 2023

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Key Features

The following are the key features of 202308. For the list of Reference Business Process, click **HERE.**

APPLICATION FRAMEWORK

Health Check Probes in Kubernetes

The System Core (EB) module is enhanced to provide a health check for the application running inside the container. Click here to read the full story 🔗

CORPORATE

Loan Trade with Internal Portfolios

The `LOAN.TRADE` application is now enhanced to include secondary loan trading with internal portfolios in a syndicated loan.
Click here to read the full story 🔗

Overdrawing Facility Commitment

Facility Commitment functionality is enhanced to allow the overutilization of the commitment for disbursement. The commitment increases beyond the available limit. Click here to read the full story 🔗

EXTENSIONS AND CONFIGURATION

Unified API for Single and Multi Package Deploy

Temenos Packager is now enhanced to have a single API for both single and multi-package deployment. Click here to read the full story 🔗

Retry Option in Adapter

Adapter microservice infrastructure is enhanced to handle the error that occurred during the adapter process by providing a simple mechanism for the operator to reprocess the failed data records using Redelivery APIs.
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Multiple Input Files and Custom Delimiters

Adapter Microservice is now able to listen to any text-based file format with custom delimiters and multiple input files. Click here to read the full story 🔗

USER EXPERIENCE

Moving Upload or Download Logic to APP

The upload or download logic is moved from Browser.war to ResourceServer.war, to eliminate the security constraints in the Cloud environment. Click here to read the full story 🔗

REGIONALIZED SOLUTIONS

Australia

Account Information APIs (AISP)

This functionality enables banks to know how many customers hold the account, for example, are classified as direct beneficiaries of the account. Click here to read the full story 🔗

Biller Facility Check

This functionality allows users to validate the clearing member Id tag which holds the biller code for the master biller and sub biller. Click here to read the full story 🔗

China

Lending

This module supports the functionality that involves the loan products for the customer based on PBOC guidelines. This functionality provides various loan facilities, allowing banks to maintain the loan and classify them based on the risk levels as per PBOC guidelines. Click here to read the full story 🔗

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` and `DRAWINGS` applications. Click here to read the full story 🔗

Limit and Collaterals

This functionality allows users to manage the limits and collaterals using the new versions and enquiries provided with APIs, introduced as part of this module. Click here to read the full story 🔗

Call Deposits

This functionality allows bank users to configure the interest rate for notice cancellation, cancel the notice capture records created earlier, and adjust the accrued interest. Click here to read the full story 🔗

United Kingdom

Rerun Scenario

Using this functionality, bank users will be able to configure the suspense account through the Deposit Settlement field and to verify the details of the deposit amounts credited into an internal suspense account.
Click here to read the full story 🔗

United States

Statement Narratives

This functionality allows banks to manage the Regulation E as 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). 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 🔗

OD Credit Score and Limit Amount

This functionality allows banks to capture the SOC (Standard Overdraft Coverage) score and Limit for OD balance calculations. The Credit Score and Limit information are stored at the account level. Click here to read the full story 🔗

RETAIL

Loan Disbursement using Service

In Retail Lending and Arrangement Architecture it is now possible to automatically disburse a new loan using the AA.PROCESS.ACTIVITIES service. Click here to read the full story 🔗

Release Highlights

Application Framework

System Core » Health Check Probes in Kubernetes

Temenos Infrastructure supports the health check probes to check the activity of the application running inside the container.

The liveness probe helps to determine if the application in the pod is alive or dead. If the application is dead or inactive, Kubernetes starts a new one to replace it.

> **The topic related to this feature is given below:**
>
> Health Check Probes in Kubernetes

System Core » Externalised Cache for COB

The job list was previously a table that is heavily queried in Transact during service execution. For heavy volume databases, the I/O operations on the job list, that is, to build, read, write, and delete as part of the COB processing on a job list table was quite heavy against a distributed cache.

You can now run the cob jobs through external caching (Redis) to run a service by populating IDs into the Redis cache. Moving the job list from the primary data source to Redis reduces the load on the primary database.

This feature is not applicable for critical or bulked job. It supports online and activation services.

> **The topic related to this feature is given below:**
>
> Externalised Cache for COB

Corporate

Facility » Risk Participant in Portfolio Allocation

Portfolio Allocation functionality is enhanced to perform risk selling and calculate risk fees and margins.

The banks that share the risk exposure from the owning bank are called Risk Participants. When the bank wants to mitigate its risk exposure in either facility or loan, it sells its risk to a risk participant. Risk participants only share the risk and do not provide any funding to the borrower. In a facility with internal portfolios as part of the facility, each portfolio can sell its risk exposure to a risk participant separately.

> **The topic related to this feature is given below:**
>
> Risk Participant in Portfolio Allocation

Secondary Loan Trade » Loan Trade with Internal Portfolios

In a syndicated loan, the secondary loan was traded between the own bank share amount and the participant share amount.

The `LOAN.TRADE` application is now enhanced to include secondary loan trading with internal portfolios in a syndicated loan.

> **The topic related to this feature is given below:**
>
> Loan Trade with Internal Portfolios

Facility » Selling Risk Exposure to External Risk Participants

Portfolio Allocation functionality is enhanced to perform buying and selling risk exposure to an external risk participant anytime during the lifetime of a facility or a loan after it is created .

A bank can reduce its risk exposure of loan default by selling a part of the loan to an external risk participant. No actual fund movement to the external risk participant happens, but the risk of the loan default is transferred. The portfolio from which the bank sells its risk exposure is the *Linked Portfolio* to the risk participant. A bank can also buy back from the risk participant to the same *Linked Portfolio*.

> **The topic related to this feature is given below:**
>
> Selling Risk Exposure to External Risk Participants

Facility » Overdrawing Facility Commitment

Facility Commitment functionality is enhanced to allow the overutilization of the facility commitment for disbursement and commitment increase beyond the available commitment.

> **The topic related to this feature is given below:**
>
> Overdrawing Facility Commitment

Miscellaneous Deal » Presenting Document Days Control in SBLC

Miscellaneous Deals module is enhanced to list all the presentations under standy letter of credit , for which documents have been recevied.

The topic related to this feature is given below:

Enquiries and Reports

Miscellaneous Deal » Displaying Auto Extension Details

Miscellaneous Deals module is enhanced to display the details of guarantee's for renewal, amendments and non-extention etc through an enquiry.

The topic related to this feature is given below:

Automatic Extension Fields

Retail

Retail Lending and Arrangement Architecture » Loan Disbursement using Service

It is now possible to automatically disburse a new loan using the AA.PROCESS.ACTIVITIES service . This can be achieved by setting the *Schedule Type* field as Service in `AA.PAYMENT.TYPE` used for automatic disbursement.

> **The topics related to this feature are given below:**
>
> Automatic Disbursement
>
> AA Payment Type

Retail Lending and Retail Accounts » Configuring Transaction Recycler for Back Value Dated Repayments

The system is now enhanced to define if the Transaction Recycler must consider holidays as working days, to calculate the penalty interest for transactions for back value dated repayments. The *Attribute Type* and *Attribute Value* fields in `AA.PARAMETER` are used for this configuration.

- When these parameters are configured and a backdated transaction using the Transaction Recycler with value date as a holiday is processed, the system reverses the activities from the current system date to the backdated repayment date, accepts the repayment and then replays the activities when necessary until the system's current date, calculating the accurate penalty interest amount.

- When the parameters are not configured, the system reverses the Age Overdue Activity but does not replay it, applying no changes in the prior behavior of Transaction Recycler.

The topic related to this feature is given below:

[Configuring Transaction Recycler for Back Value Dated Repayments](#)

Regionalized Solutions

Australia Model Bank

Account Information APIs (AISP)

The *accountOwnership* field has been added to the NOFILE.AUOBPZ.API.ACCOUNT.BALANCES.1.0.0 and NOFILE.AUOBPZ.API.ACCOUNT.DETAILS.1.0.0 enquiries to allow a Data Recipient to know how many customers hold the account, for example, are classified as direct beneficiaries of the account.

> **The topic related to this feature is given below:**
>
> Account Information APIs (AISP)

BPAY (Bill Payments) » Biller Facility Check

Temenos Payments Hub can accept the incoming BDFs from BPAY clearing. BDFs will be received three times per day sent by the BPAY. The BDF contains multiple transactions.

With this functionality, users can validate the clearing member *Id* tag which holds the biller code for the master biller and sub biller.

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

Lending » Data for Additional Repayments by the Customer During a Fixed Rate Period

Customers can make up to $10,000 in additional repayments per fixed-term year. The fixed-term year starts when the fixed rate period began and renews on the same date each year. This functionality allows banks to keep track of the additional repayments per fixed-term year to advise customers on how much they can still pay.

The topic related to this feature is given below:

Lending

Lending » Locking Redraw Credit via Direct Debit

This functionality allows banks to manage the locking of the UNC credit while processing the loan repayment through the `DD.DDI` application. The system will unlock the UNC amount when the `DD.ITEM` is returned, also, when the `DD.ITEM` is processed but not returned.

The topic related to this feature is given below:

Lending

Lending » Multiple Loans and Package Pricing

This functionality allows banks to cancel loans before the full disbursement and based on which, the package details may be changed. Also, bank users will be able to manage the split of loans, merge of loans and reversal of split or merge

activity.

A facility has been provided to allow users to change the master loan and waive package fee.

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

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

This functionality enables bank users to know when the period defined in the *Arr Fixed Term* is not aligned with the Interest condition, with *Interest Type* as Fixed when a new lending arrangement is created. Also, bank users will know when the period defined in the *Arrangement IO Term* is not aligned with the Payment Schedule condition, with *Payment Type* as Interest Only. Users will be able to change the *Arr Fixed Term* or *Arrangement IO Term* in the Term property, along with the Interest and Schedule conditions.

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

China Model Bank

Deposits » Call Deposits

Banks can configure the interest rate for notice cancellation, cancel the notice capture records created earlier, and adjust the accrued interest using this functionality.

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

Lending

This module supports the functionality that involves the loan products for the customer based on PBOC guidelines. This functionality provides various loan facilities, allowing banks to maintain the loan and classify them based on the risk levels as per PBOC guidelines.

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

Limit and Collaterals

New versions and enquiries provided with APIs have been introduced as part of this module to manage the limits and collaterals.

> **The topic related to this feature is given below:**
>
> Limit and Collaterals

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` and `DRAWINGS` applications.

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

United Kingdom Model Bank

FSCS - Continuity of Access » Rerun Scenario

Using this functionality, bank users will be able to configure the suspense account through the *Deposit Settlement* field and to verify the details of the deposit amounts credited into an internal suspense account.

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

United States Model Bank

Individual Retirement Accounts » IRA Notices

This functionality allows banks to manage the IRA notices. The IRA Required Minimum Distribution notices and Withdrawal notices are only available in the XML format. A new IRA withdrawal notice has been introduced in the XML format.

The topic related to this feature is given below:

Individual Retirement Accounts

Real Time Gross Settlement » Statement Narratives

This functionality allows banks to manage the Regulation E as 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).

The topic related to this feature is given below:

Real Time Gross Settlement

Retail » Balance Availability and Facility Product Conditions Auto Updates

This functionality allows banks to manage the information on customer's overdraft coverage elections and systems behaviour dependent on such elections, based on the Overdraft Coverage Code Param application available, that allows the future dated Overdraft Coverage Code definition. The configuration defined in the Overdraft Coverage Code Param application for a specific code is defaulted in the arrangements that use the code.

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

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.

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

Retail » OD Credit Score and Limit Amount

This functionality allows banks to capture the SOC (Standard Overdraft Coverage) score and Limit for OD balance calculations. The Credit Score and Limit information are stored at the account level.

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

Retail » Updates to NSF Inquiries

This functionality allows banks to use the primary NSF Queue, NSF Representment Queue and all NSF Transactions Queue, as well as Account Balance inquiries to include the Overdraft Coverage Code.

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

Technology

Extensions and Configuration

Temenos Packager » Unified API for Single and Multi-Package Deploy

Temenos Packager is now enhanced to have a single API for both single and multi-package deployment.

> **The topic related to this feature is given below:**
>
> Unified API for Single and Multi Package Deploy

Adapter » Retry Option in Adapter Microservice

Adapter microservice infrastructure is enhanced to handle the error that occurred during the adapter process by providing a simple mechanism for the operator to reprocess the failed data records using Redelivery APIs.

> **The topics related to this feature are given below:**
>
> Retry Option in Adapter Microservice - Debulking
>
> Retry Option in Adapter Microservice - Event To API

Adapter » Multiple Input Files and Custom Delimiters

Adapter Microservice is now able to listen to any text-based file format with custom delimiters and multiple input files. Adapter Microservice debulking features are enhanced to support the following functionalities during CSV debulking.

- Ability to consume multiple csv input files.
- Ability to process the custom record and field level delimiter.
- Ability to produce processed output file with header information.
- Ability to produce processed output file with custom delimiter as input file.

The topic related to this feature is given below:

Multiple Input Files and Custom Delimiters

Platform Framework

Infrastructure » AWS Advanced JDBC Wrapper

AWS Advanced JDBC Wrapper is included in the microservices, which allows the user to make use of the enhanced failure monitoring feature while switching the database nodes on failures. This feature is specific to EKS deployment.

The topic related to this feature is given below:

AWS Advanced JDBC Wrapper

User Experience

UXP Browser » Moving Upload or Download Logic to APP

By default, Browser.war is responsible for uploading or downloading images or files, which is deployed in WEB pod in SaaS 2.0 environment, due to major security constraints. Images and documents can be uploaded or downloaded using any of the following options,

- Local (Folders must be mounted in WEB pod which is not recommended due to security concerns)
- Server (DB)
- Cloud (Data sources must be configured in WEB pod)

It is now possible to mount the folders and configure the data sources in APP pod without any security constraints. In SaaS 2.0, ResourceServer.war and Authenticator.war are deployed in the APP pod. The upload or download logic is moved from Browser.war to ResourceServer.war, to eliminate the security constraints in the Cloud environment.

> **The topics related to this feature are given below:**
>
> Moving Upload or Download Logic to APP - Image Management
>
> EB File Upload