What's New in

Temenos Transact

June 2021

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Release Highlights

Application Framework

System Core (EB) » Tidying up the Jobs

PGM.FILE is now enhanced with the **Tidy Up Api** field to clean up the jobs for every session. If the **Tidy Up Api** field is enabled, respective <<JOB.NAME>>.FINAL routine is triggered for every session, after successful completion of each job.

This feature cleans up the footprints for every session that is allocated to the job. It also facilitates for tidying up anything as part of the job completion.

> **The topic related to this feature is given below:**
>
> Tidying up the Jobs

System Tables » Condition Based Duplicate Contract Checking

Temenos Transact allows a facility to configure the duplicate check for any application through the EB.DUPLICATE.TYPE application. This also allows cross-reference between application through a linked application field in EB.DUPLICATE.TYPE.

For a linked application, to include or exclude certain configurations, EB.DUPLICATE.TYPE is now enhanced that supports condition based duplicate check by defining the required conditions in the following fields:

- **Linked App Field Condfld**
- **Linked App Field Condopr**
- **Linked App Field Condval**

If the condition defined for the above fields are satisfied, then corresponding field value of the associated Linked App Fields are considered for performing the duplicate check. It is then evaluated using the following operations:

- **OR** for multiple conditions based on same conditional field
- **AND** for multiple conditions by different conditional field

This feature improves the runtime capability in Transact for the evaluation and identification of a duplicate contract, based on the condition field and condition value available in the `EB.DUPLICATE.TYPE` record definition.

> **The topic related to this feature is given below:**
>
> Condition based Duplicate Contract Checking

Banking Framework

Delivery » Responses for Financial Delivery Messages

The responses for the MT messages are received and correlated by the Delivery module with the corresponding outward message. The message disposition of the delivery message reflects the positive and negative response received.

The Delivery module is enhanced to provide an option to store the responses received for the MT messages. For negative responses or responses that cannot be matched with any outgoing message, the Delivery module emits an event through Integration Framework, allowing implementations to use this event to trigger an email or notification to various staff groups, using the ESB or other integration layers.

This functionality also improves the mechanism to handle the exceptions and identify the transactions impacted in the case of negative responses.

The topic related to this feature is given below:

Responses for Financial Delivery Messages

Delivery » Inward CAMT Processing

In Temenos Transact, the user can generate outward CAMT.053, CAMT.052 and CAMT.054 messages which were standard account reports based on movements across the account over a specified period of time. A microservice is introduced to process the inward CAMT messages to include statements, balance summary, advices of debit or credit related details to one or more accounts.

The Inward Cash Management Message Service (INCMMS) module is enhanced to provide a microservice with the ability to process inward credit,

debit notifications that are received from different carriers through incoming CM messages. A dedicated microservice stores CM message data and emits events that are consumed by other external systems, by configuring dedicated listeners. Also, a set of APIs are introduced to retrieve CM message details stored in the applications within the microservice.

This functionality provides the following benefits:

- Support for CAMT as a global format leveraging the ISO 20022 XML standards to allow better interoperability with multiple banks and internal systems.
- Flexibility to the bank to maintain repository of debit and credit notifications received in CAMT format.
- Ability to notify third-party systems about new credit and debit notification. This information can be used for further transactions processing.
- External applications and systems can request different sets of CM message data as per requirement.

> **The topic related to this feature is given below:**
>
> Inward CAMT Processing

Private Wealth

Securities » Securities and Counterparty Limits for Non-Dealer Book Trades

Security Trades are generally settled on a contractual basis on the customer side and on actual basis on the broker side. Thereby, the bank is exposed to a risk of uncertainty from the broker side. Temenos Transact allows the bank to set a limit for each counterparty to control and monitor the bank's exposure. However, the risk was monitored only for the bank's own transactions. Thus, trades for bank's own books reduced the available limit. If the limit is fully exhausted, and when a new trade is entered, the system warns the user. The counterparty limit was then restored as and when the trades were settled.

The Securities module is enhanced to allow banks to setup and use the counterparty limits, either for customer trades or bank's own portfolio trades or both, based on a parameter setup in `SC.STD.SEC.TRADE`. The banks can now decide whether the gross or net amount (inclusive of broker's commission) needs to be considered while reducing the limit when a transaction is input. Banks can therefore restrict and monitor counterparty limits for all trades with the counterparty, immaterial of whether they are for bank's own book or for bank's customers.

The topics related to this feature are given below:

Configuring Counterparty Limit in `SC.STD.SEC.TRADE`

Counterparty Limits

Securities » Applying Central bank Rate to Calculate FTT in Cross Currency Trade

As per the regulation in European countries, Financial Transaction Taxes (FTT)

must be calculated using the rate published by the central banks instead of the existing currency market rate. Temenos Transact is required to support the calculation of FTT using the rate published by central banks.

The Securities modules is now enhanced to calculate the FTT based on the setup in SC.PARAMETER. This functionality helps the European banks to meet the regulatory requirement regarding the calculation of FTT.

The topic related to this feature is given below:

Calculation of FTT in SEC.TRADE using COB Rate

Regional Banking Solutions

Argentina Model Bank

Taxes » Stamp Tax Exemptions

This functionality enables banks to handle the stamp tax exemptions on the savings accounts, loans and deposits for the Provincia de Buenos Aires, Ciudad Autónoma de Buenos Aires, Santa Cruz, Santa Fe and Tierra del Fuego jurisdictions. Also, this functionality allows banks to handles the Stamp tax on non-Instrumented loans when cancellations happen.

The following items are introduced as part of this functionality:

- The *Stamp Exempt* and *Stamp Exempt Reason* fields are added to the `CUSTOMER` application to identify whether the customer is exempted from Stamp tax and indicate the reason for which the Stamp tax has to be exempted for the customer. The `CUSTOMER,TAXES.AR` version allows users to input the details related to these new fields when creating a customer.
- The *Stamp Tax Exempted* and *Stamp Tax Exempted Type* fields are added to the `AA.ARR.ACCOUNT` and `AA.SIM.ACCOUNT` applications to identify whether the arrangement belongs to the special industry and exempts Stamp tax and mention the industry type. The `AA.ARR.ACCOUNT,AR.LOAN` and `AA.SIM.ACCOUNT,AR.LOAN` versions allow the user to input the details related to these new fields when a new arrangement is created.

The topic related to this feature is given below:

Taxes

Canada Model Bank

Lending Insurances

This functionality allows Financial Institutions to offer insurance products for their Line of Credit (LOC) products. The insurance product offering for the LOC product is based on age-group-wise rate eligibility, gender, and smoking habits of the customer. The facilitation for the accessed provincial taxes on the insurance product is also applicable and accounted for the LOC product.

The following application and enquiry are introduced as part of this functionality:

- The `LENIS.INSURANCE.PARAM` application is introduced to configure the age, rate, and amortisation rate for insurance premium calculation.
- The LENIS.INSURANCE.ENQUIRY enquiry allows users to search the insurance information of the customer and co-borrower.

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

Lending Renewals

It is common in the mortgage and commercial term marketplace for a bank to offer its clients several terms and payment options before renewing a loan.

This functionality allows banks to capture the data required to renew a loan.

The following applications and enquiries are introduced as part of this functionality:

- The `LENREN.RENEWAL.PARAM` application is used to configure the lending renewal scenario generation.
- The `LENREN.RENEWAL.REJECT.PARAM` application is used to configure the valid reasons or conditions for suppressing renewal scenarios for

accounts considered as delinquent or for high-risk customers or considered as NPL and/or NAB or set to manual renewals.

- The LENREN.AUTOREN.SUPPRESS.PARAM application is used to define business rules for suppressing auto-renewals so that the bank can manually validate internally and renew the account if required.
- The LENREN.RENEWAL.REJECTS application is used to store the details of those (delinquent and high-risk customer) accounts in which the scenario generation is rejected.
- The LENREN.RENEWAL.SCENARIO application is updated with the accounts that are eligible for the successful renewal scenario generation.
- The LENREN.OFS.FAIL.DET application is used to capture the reason for activity update failure, which occurs in some cases.
- The LENREN.SCENARIO.REJECTS enquiry is used to list all the accounts in which lending renewal scenarios are not generated due to NAB, NPL, or any other reason.
- The LENREN.OFS.FAILDET enquiry is used to list all arrangements where the OFS update activity failed for some reason.

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

Hong Kong Model Bank

Lending » Mortgage Insurance Program

This functionality allows banks to provide mortgage loans with higher loan to value (LTV) without incurring additional credit risk by having additional mortgage insurance attached to the lending contract. The policy premium can be a one-time charge collected by cash, added to the loan's principal, or collected annually.

The following items are introduced as part of this functionality:

- The XHKLEND.INS.POLICY external property class is introduced for the maintenance of the insurance policy information and it is attached to the property class to the MIP loan product.
- The *Insurer Account, Premium Charge Property*, and *LTV Threshold* fields are added to the `HKLEND.PARAM` application for the maintenance of product-related configurations.
- The `HKLEND.INSURANCE.CODE` application is introduced for the maintenance of insurance codes.

The topic related to this feature is given below:

Lending

Spain Model Bank

Funds Processing » External Fund Transfers

This functionality allows banks to update the `ESFUND.TRASPASO.REQUEST` application based on the file from the external depository or integrated depository (other than All Funds Bank (AFB)). Also, banks can send the order details to a depository other than AFB.

The record *Id* of the `ESFUND.TRASPASO.REQUEST` application is modified to support the two legs of the Traspaso using the same reference and to avoid duplicate Ids so that the record Id will be a 13 digit unique number and the leg of Traspaso will be separated by ".".

The topic related to this feature is given below:

Funds Processing

Technology

Design Framework

Temenos Workbench » Automated Propagation of Local Fields to APIs

Inheritance capability is now extended to support local fields propagation to API version and API enquiry based on the propagation flags set.

This feature automatically propagates the local fields at run time in API versions and API enquiries.

The topics related to this feature are given below:

Automated Propagation of Local Fields to APIs

Automated Propagation of Local Fields - API Version

Automated Propagation of Local Fields - API Enquiry

Integration Framework

Integration Framework Designer » Customisable Correlation ID in Integration Events

Integration Service delivers integration events to queue or direct posting that writes a raw formatted XML to queue. These events uses timestamp as correlation ID.

This feature allows the user to select a field, whose value will be added to the

JMS header as correlation ID and the same data populates in the event common section of Integration Event. Therefore, the user can correlate the asynchronous messages as the value is mapped from the request to Integration Event.

The same data populates in the event common section of Integration Event and helps in tracing the requests to the integration event using the customised correlation ID.

> **The topic related to this feature is given below:**
>
> Customisable Correlation ID

Interaction Framework

IRIS R18 » Enrichment and Validation Support

In IRIS R18, a workbench is launched using Kony Visualiser and Fabric for ODS and ADS for creating APIs. It requires additional validations and enrichments to include in UI for more usability and to design the API.

IRIS R18 is now enhanced with new workbench that supports additional enrichment rules and UI validations.

> **The topic related to this feature is given below:**
>
> Enrichment and Validation Support

IRIS R18 » Local Reference Field Extensibility

While creating API through irf-work-bench, IRIS now displays all the local reference fields from `LOCAL.TABLE` that are enabled for propagation along with API core fields defined in Version of API.

The topic related to this feature is given below:

Local Reference Field Extensibility

Treasury

Forex » Extension and Cancellation of Client FX Forward Contracts

A `FOREX` contract has a pre-determined exchange rate and settlement date for the full contract amount. FX forward transactions with corporates are backed by underlying commercial transactions such as Imports, exports etc. For most commercial transactions, the date of negotiation is not known in advance due to uncertainty and delay in processing and shipment. Only a period, rather than an exact date, is known for the negotiation of documents. To manage such uncertainty, clients prefer the forward contract to be delivered on any day within a specified period. Such contracts are called Forwards with optional delivery period. Furthermore, clients also can request to partially or fully cancel or extend the Forward contract.

The Foreign Exchange (FX) module is enhanced to facilitate partial or complete cancellation and extension of an FX contract and rebooking of a new FX contract with an extended maturity date.

This feature provides the ability to,

- Perform all post-trade events such as extension, cancellation, utilization, and so on., through a single composite screen.
- Impose cancellation profit or loss on the counterparty.
- Recover any financial gain passed on to the client, in the event of cancellation of the rebooked contract.

Click here to understand the technical impact of this enhancement for customisation and upgrades.

The topics related to this feature are given below:

Post-trade Events

Technical Notes

Banking Framework

Accounts » Accounts – System-wide Jobs for COB Efficiency

The following jobs have been moved out of COB and released as service.

- CUSTOMER.CHARGE.ACC.BUILD
- REBUILD.GROUP.ACCOUNT
- FT.TAPES.EOD

Treasury

Forex » Extension and Cancellation of Client FX Forward Contracts

To calculate the cancellation rate, the *Canc Rate Rou* field is introduced in `FX.TRANSACTION.TYPE`. The FX.GET.CANC.RATE API can be attached to this field to enable the default calculation. A custom API can also be attached to this field to calculate the rate as required.

To derive the cancellation profit and loss, FX.GET.CANC.PL API can be attached to the *Charge Routine* field on the `FT.COMMISSION.TYPE` record. A custom API can also be attached to this field to calculate PL.

Extensibility APIs

Java Extensibility

Category: New Enhanced Existing Deprecated

Package	Class	Method name	Description	Hook*/ API
system	DataMapper	**convertFieldValue**	To convert the given value and return the converted value while mapping data from one record to another.	Hook
party	BIC	**getBicInformation**	Returns information about the given BIC from the table RD.CENTRAL.BANK.DIR or DE.BIC.	API
account	IBAN	**getBic**	Returns the BIC (Business Identifier Code) corresponding to the given IBAN if available.	API
account	IBAN	**getIbanInformation**	Returns an IbanInformation object with calculated and looked up values relating to the given IBAN (International Bank Account Number).	API

**Hooks are placeholders in Transact where routines can be attached to an application. For example, version, enquiry, delivery and so on.*