What's New in

Temenos Transact

August 2021

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Release Highlights

Banking Framework

Generic Accounting Interface » Incremental Authorisations

Incremental authorisations can be used by certain merchants to increase the total amount authorised if the amount of the estimate or initial authorisation is insufficient or the final amount of purchase is unknown.

The OFS clearing reservation request has been enhanced to support incremental authorisation processes (create, update and cancel) when Temenos Transact is online. This functionality allows merchants to link the additional (incremental) authorisation to the original (first) authorisation and send for settlement to the financial institution to ensure proper liability coverage. Each incremental authorisation is unique with its own references of data and has its own life cycle with associated data and is stored as a separate record.

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

Click here to understand the installation and configuration updates for this enhancement.

The topics related to this feature are given below:

Incremental Authorisations

Configuring Quick Reservation

Configuring Additional Information

Working with Incremental Authorisation

Working with Additional Information

Accounts » Daylight Overdraft

Temenos Transact allows users to set up overdraft (OD) and daylight overdraft (DLOD) amounts on the summary account level and customer account level. While the system validates the transaction, balance checking is performed both on the level of the customer account and on the summary account level in real time. This functionality offers the following benefits:

- Allows credit checks to consider funds which are expected to arrive in the future, but have not been fully booked yet.
- Allows setting up a minimum floor amount (OD) and a maximum ceiling amount (DLOD) which are applied on forecasted credits when the credit check takes place.

The topic related to this feature is given below:

Daylight Overdraft

Corporate

Club Loans » Risk Participation

Risk participation is an off-balance sheet transaction in which a bank mitigates its risk by selling its risk portion in full or in partial to another bank or risk participant(s). They are responsible for paying back the lending/owning bank whose risk has been taken over in case there is a default by the borrower. For undertaking such a risk, the risk participant(s) collect a charge on the risk participation amount from the lending bank.

Risk participation thus helps the bank to reduce the risk exposure in case of delinquencies, bankruptcies, or company failures. This new feature in Club Loans allows to:

- Define risk participants for risk mitigation in loan contracts
- Record the risk participant (party who have taken over the risk portion) details along with the fund participants (lenders who provide the funding for the loan) using the existing Participant Property Class.

The Participant Property Class is now enhanced with a new *Participation Type* field in the Product Condition to define the type of risk participation, that is, whether the risk participants share percentage is fixed or variable. This determines how the share percentage changes to an increase in the loan commitment amount.

Multiple Unique Property Class type and Risk Participant Property type are introduced in AA, to allow banks to add risk participants to a loan arrangement thus enabling the user to add Risk Participant property to the existing Participant Property Class.

The topic related to this feature is given below:

Risk Participation

Arrangement Architecture » Defining Interest Rate Fix Calendar

In Transact, it is possible to setup the interest rates prior to the loan offer becoming live (on the effective date) by defining the number of days before which the rate has to be fixed. If it has to be fixed on a working day, then the system uses the arrangement calendar to determine whether it is a working day or a holiday.

The banks prefer to define a separate calendar which can be used specifically for fixing the interest rate instead of making use of the same arrangement. To facilitate this, the Interest Property Class is now enhanced with the following capabilities. It allows:

- The bank to define a separate calendar or multiple calendars to check for holidays during interest rate fixing. Whenever a new loan offer is created, or when a rollover/repricing activity happens the interest rates can be set and fixed in advance to the effective date of the set activity.
- The user to define specific calendars the system should check to determine the rate fixing date if the rate fixing activity date falls on a holiday.

> **The topic related to this feature is given below:**
>
> Interest Rate Fix Calendar

Lending Facility » Enhanced Evidence Management

Banks prefer a robust Evidence Management process where the system can automatically verify the evidence submitted on a particular date or on the event of an activity performed on the loan contract. It should have the ability to change the evidence requirement after a point during the life of the contract. And, the

system must be able to capture a future requirement on the current day and execute the same on the value date.

The Evidence module in Transact has been enhanced to support definition of complex calculations. The Evidence property class is now enhanced to support features like notice days for covenant, related requirement for a condition and so on. The following are new capabilities introduced to enable a hassle-free automated process for the banks to verify the evidence.

- Transact automatically runs the verification process for a covenant or a related condition attached to the loan contract x-days (configurable) prior to the disbursement date.
- Attaching a related evidence functionality is extended to Evidence Condition (Event based) as well.
- If the evidence is not submitted or not in compliance, the user can now manually revisit the evidence submitted already or re-schedule the disbursement date or amend the disbursement amount or even cancel the scheduled disbursement.
- Also, even after submitting a compliant evidence, another evidence can be submitted. Latest evidence submitted is taken into consideration.
- Forward-dated feature in AA is extended to Evidence Property Class also.
- The enquiries in Transact enable the bank user to check in advance regarding the upcoming evidences to be submitted by the customers.
- The evidences are evaluated based on complex calculations.
- Banks can now keep a track of those evidence which are due in near future, already due, overdue and not in compliant through various reports generated by Temenos Transact.

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

Click here to understand the installation and configuration updates for this enhancement.

The topics related to this feature are given below:

Private Wealth

Securities » Handling MiFID Questionnaire

MiFID II is an extension of the existing Markets in Financial Instruments Directive (MiFID) I, that aims to raise the bar in the European Union (EU) financial markets in following areas:

- Transparency
- Microstructural issues
- Data publication and access
- Requirements applying to trading venues
- Commodity derivatives
- Market data reporting
- Post trade issues and
- Investor protection

This development focuses on providing a setup to add additional questions in MiFID questionnaire and assign weightage to the customer's response on the question asked in MiFID questionnaire. Based on the responses, the system arrives at an Individual Risk Profile (IRP) for each customer based on various aspects such as knowledge, experience, and risk appetite of customers.

Temenos Transact is now enhanced to add additional questions dynamically in `SC.MIFID.CLIENT.INFO`. For each response in `SC.MIFID.CLIENT.INFO`, the system assigns weightage and arrives at the eligible investment program suiting customer knowledge and risk appetite. This functionality helps banks to adhere to MiFID and understand the customer knowledge and risk appetite. Based on the customer knowledge and risk appetite banks can assign investment programs to their customers, accordingly.

The topics related to this feature are given below:

MiFID Questionnaire

Tasks for MiFID Questionnaire

Defining MiFID Parameter

Defining MiFID Investment Program Parameter

Institutional Custody » Securities Trade Confirmation and Cancellation through MX Message

SETR027 is sent by an executing party to an instructing party directly or through Central Matching Utility (CMU) to:

- Provide trade confirmation on a per-account basis, as per the instructions provided by the instructing party in the securities allocation instruction message.
- Cancel the referenced securities trade confirmation (SETR027) message that was previously sent.

The Securities (SC) module in Transact is enhanced to support the inward SETR027 and SETR029 (securities trade confirmation and securities trade confirmation cancellation) MX messages. This functionality helps banks to accept the incoming SETR027 and SETR029 MX messages, and to authorise or cancel the securities transaction based on the incoming message.

The topics related to this feature are given below:

Securities Trade Confirmation and Cancellation through MX Message

Processing Incoming SETR027 and Performing an Action on Unauthorised Trades

Processing Incoming SETR027 and Performing an Action on

Corporate Actions » Reconciliation of Eligible Holdings

For each corporate action event, Temenos Transact computes the customer's holdings, based on the ex-dated or record dated holdings in the event security. The holdings, along with the event terms, determine the entitlement for the customer in the event. Generally, banks reconcile the eligible holdings against the custodian holdings on the ex or record date, outside the system. The reconciliation mechanism available for ex-date or record date was not supported in the Core.

The Securities module in Transact is now enhanced to support the reconciliation of eligible holdings advised by the depository through MT564 (REPE) with the eligible holdings in the system. The :93 ELIG (options B or C) tag indicates the eligible holdings.

The reconciliation is considered successful, if the eligible holdings in the system is within the tolerance against the holdings advised by the custodian. The Diary Holding Details (SC.DIARY.ELIG.HOLDINGS) enquiry updates the status of reconciliation.

Banks can now avail the capability of reconciling the holdings in the Core against the holdings with the custodian.

The topics related to this feature are given below:

Reconciliation of Eligible Holdings

Amending or Re-running the Open Diary Records

Reconciling Eligible Holdings of any Corporate Action Event

Qualified Intermediary » US Tax Section 871 (m) of IRS

The Section 871 (m) of IRS is a tax event, designed to withhold tax from holders of listed derivatives contracts, which had their underlying US securities pay out dividends during the holding period. The result of the event is only a debit of tax and proceeds were not paid to the customers. The system has to identify the liable customers, calculate taxes and post debit entries. The tax amounts debited must be reported accordingly in the IRS QI reports (Qualified Intermediary).

The IRS Regulation 871 (m) aims to collect tax on dividend-equivalent payments (DEP) for derivative instruments referencing US equity instruments. The transactions executed in US equity-linked derivative instruments are considered for withholding and reporting. The Derivatives (DX) module along with Regulatory and Compliance (R&C) module in Transact now supports compliance with Section 871 (m) of the Internal Revenue Service (IRS) for derivative contracts.

Banks can now use this functionality to report the tax debited on liable derivative contracts (options and futures) with US security underlying, which are taxable under Section 871 (m).

The topics related to this feature are given below:

Section 871(m) of IRS

Regional Banking Solutions

Argentina Model Bank

Accounts » FX Blacklisted Customers

This functionality enables banks to keep constant traceability for the log of denied attempts to exchange market operations by customers included in the blacklisted customers stored on the ARACCT.FX.BLACKLIST application and maintained at the customer module. The audit trail includes the customer information as well as the denied attempt identification and date.

The following items have been introduced as part of this functionality:

- The ARACCT.FX.BLACKLIST.LOG application has been introduced to automatically store the details of the denied attempts to exchange market operations by individuals on the FX blacklist.
- The ARACCT.FX.BLACKLIST.LOG.LIST (Denied attempts for FX Blacklist) enquiry has been introduced to list the details of the records contained in the ARACCT.FX.BLACKLIST.LOG application.

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

Finland Model Bank

Collateral » Collateral for HAL and Garantia Guarantees

In Finland, Garantia is a privately owned company that provides guarantee services to retail banking customers. Garantia guarantee is also called HALG guarantee. The HALG guarantee is provided only to a housing loan for living and investment purposes. The guarantee (HALG) loan amount and charge are derived from many factors, for example, the purpose of housing property, region of the property, and other risk factors.

This functionality allows banks to have a stand-alone calculator for the HALG guarantee and other validations in the creation of the HALG Guarantee Collateral. Also, the system will check whether there is an existing collateral attached when the HAL guarantee is selected as a collateral type that represents the residence that is purchased. The system will retrieve the purchase price from the attached primary collateral (house or apartment shares) and populate it in the HAL guarantee. Also, the system will generate a warning message when there is no collateral or other than an own house or apartment shares.

The following items are introduced as part of this functionality:

- New fields have been added to the `FICOLL.COLLATERAL.PARAM` application to allow users to configure the Garantia guarantee collateral type, housing collateral type, and NLS application name and field.
- The *Nls Id* field is added to the `COLLATERAL` application to allow the user to input the respective *Id* from the application defined in the *Nls Application* field from the `FICOLL.COLLATERAL.PARAM` application.
- The *Risk Area Code* field is added to the `NORCUS.MUNICIPAL.CODE` application to store the area code for each municipal.
- The `FICOLL.HALG.GARANTIA.PARAMETER` application is used to configure the maximum Garantia and loan percentages.
- The `FICOLL.GARANTIA.INTERNAL.PARAM` application is used to configure the Garantia cost percentage, area code, risk code, etc.

- The FICOLL.HALG.CALCULATOR application is used to calculate the Garantia loan, charge, etc., before creating loans.
- The AA.PRD.DES.XGARANTIA.GUARANTEE external property class is used to store the nominal value of the Garantia and calculator's Id.
- The FICOLL.PRINCIPAL.BAL.CONCAT application is used to calculate and capture the monthly Garantia decrease amount for loans.

The topic related to this feature is given below:

Collateral

Hong Kong Model Bank

Infrastructure » Customer Business Relationship End Date (CBRED)

This functionality allows banks to maintain the Customer Business Relationship End Date (CBRED) for all customers, during the opening and closure of accounts.

An activity API has been attached to ACCOUNTS/LENDING/DEPOSITS-NEW-ARRANGEMENT to perform the updates during the account opening.

The *Local Cbred* and *Global Cbred* fields of the related party will be updated with the closure date when closing an `HKBASE.OTHER.ACCOUNTS` record, and the *Local Cbred* and *Global Cbred* fields of the originating party will be updated with the closure date as well.

The topic related to this feature is given below:

Infrastructure

India Model Bank

Lending Compliance » Loan Validations

Foreign currency loans above USD 10 million, will be extended by banks only based on a well laid out policy of their boards with regard to hedging of such foreign currency loans. The system will ensure that suitable warning messages are triggered and access control provided for such scenarios for restricting loans above USD 10 million if the foreign exchange is unhedged only under specific approval.

Further, this is done excluding the following:

- Where forex loans are extended to finance exports.
- Where the forex loans are extended for meeting forex expenditure.

This functionality allows banks to mark the foreign currency loans that are hedged.

The topic related to this feature is given below:

Lending Compliance

Israel Model Bank

Derivatives Strike Price Management » Derivatives Premium or Strike Price Quoting

In Israel, all the derivatives, like the premium payments and the settlements, are traded in NIS (New Israeli Shekel), however for some of the derivatives, the strike price is quoted in Agorot (1/100th of NIS).

This functionality allows banks to handle the nuances of derivatives prices and allows users to make entries in NIS (New Israeli Shekel) as well as in Agorot for option strike prices, depending on the way the options are quoted in the local market.

The following items were introduced as part of this functionality:

- The *Strike Price Fa* field has been added to the `DX.CONTRACT.MASTER` application to indicate the quoted options in Agorot while the contract currency is ILS.
- The ILDXPR.OPTION.MONEY.ETD enquiry displays a list with the **In the Money**, **At the Money** and **Out the Money** options.

> **The topic related to this feature is given below:**
>
> Derivatives Strike Price Management

Matrix Tax Server Interface

This functionality allows banks to store the necessary values for tax calculation for entitlements using the `ILMATX.ENTITLEMENT.TAX.VALUES` application. The values in this application are updated by the system.

The following items were introduced as part of this functionality:

- The *Application Name* field has been added to the ILMATX.TXN.DETAILS application to store the name of the security for a particular transaction Id.
- The *Transaction ID* field has been added to the ILMATX.TXN.DETAILS application to store the transaction Id of the particular trade transaction.
- The *Account Category* field has been added to the ILMATX.PARAMETER application to store the category of the account. It helps to generate the internal account.
- The ILMATX.ENTITLEMENT.TAX.VALUES application has been introduced to store the necessary values for tax calculation for entitlements. The values in this application are updated by the system and the ENTITLEMENT,INPUT.FILE version has been introduced to authorise the entitlement Id's.

The topic related to this feature is given below:

Matrix Tax Server Interface

Trading Calendar

The system is able to indicate the trading dates of a stock exchange. Further, there are certain days on which trading in certain securities in Tel Aviv Stock Exchange (TASE) is not possible. Hence, there is a need to indicate the trading or non-trading days of a security. The settlement holidays are stored in the core HOLIDAY application.

This functionality allows banks to setup of trading holidays at the stock exchange level. There is also a provision to indicate the days of a week when a particular security doesn't trade. Any orders being placed on a trading holiday of the stock exchange or the day of the week when the security doesn't trade will result in error.

The following items have been introduced as part of this functionality:

- The ILTRCL.TD.CALENDAR (Input Trading Holiday Dates) application has been created to capture the non-trading dates for a particular month

and stock exchange. This will allow the stock exchange, month and year in the Id.

- The *Non-Trade Days* field has been added to the `SECURITY.MASTER` application to capture the non-trading days of the week (if applicable) for a security.

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

New Zealand Model Bank

Deposits » Reinvestment Instructions for Term Deposits

Temenos Transact allow banks to update the rollover condition like changing the subsequent term. The rollover activity is scheduled using the change product arrangement condition in a deposit arrangement.

This functionality allow banks to capture the information related to the deposit reinvestment instructions and to change a deposit from maturity to rollover and vice-versa. It allows users to define a new term, new rate and new interest schedule after the rollover.

The term deposit term on roll-over feature is used to provide a new term to be applied upon reinvestment, as part of the maturity instructions. When the user enters the next rollover term in a placeholder field, it will get updated in the deposit just after the upcoming rollover.

The term deposit interest rate on roll-over feature is used to provide a new interest rate within x-days of maturity, to be applied, upon re-investment, as part of the maturity instructions. When the user enters a next rollover interest rate in a placeholder field, it will get updated in the deposit just after the upcoming rollover.

The topic related to this feature is given below:

Deposits

Peru Model Bank

Accounts » CCI Generation

According to the Peru current regulatory requirements, it is necessary to generate the Interbank Account Code (CCI). CCI is the unique code that identifies an account throughout Peru's financial system and serves to perform interbank transfers.

This functionality allows banks to generate the CCI code during the account creation. The CCI code will be displayed in the arrangement overview screen.

The following items have been introduced as part of this functionality:

- A record for CCI has been created in the `ALT.ACCT.PARAMETER` application.
- A record for Peru has been created in the `CMBASE.ALTERNATE.ID.PARAM` application where the rules for generating CCI have been configured.
- A routine has been created and attached to the `CMBASE.ALTERNATE.ID.PARAM` application to generate the CCI based on the regulation.
- The CMBASE.CLABE.ID.GENERATION routine has been added to the `AA.PRD.DES.ACTIVITY.API` condition to generate the CCI during the arrangement creation and also to restrict the modification of CCI when updating the account property details.

The topic related to this feature is given below:

Accounts

Saudi Arabia Model Bank

Payroll Processing and Wage Protection System » Wages Protection System

Banks in Saudi Arabia have to process the salary file sent by the corporate customers and generate a standard output file with the status of each of the salary payments made to customer's employees. The format of the output file is defined by the Ministry of Labour (MOL).

This functionality enables banks to process the salary file from a corporate customer and generate a regulatory specified output file with the statuses of the salary payment.

The following items have been introduced as part of this functionality:

- The SAPWPS.PPT.RECEIVEDFILEDETAILS enquiry is introduced to get the statuses of files in Temenos Payments that are placed in the configured folder for salary processing. This enquiry is added to the SAPWPS.RECIEVED.SALARY.FILE.DETAILS (Received Salary Files for WPS) composite screen.
- The SAPWPS.REPAIR.SALARY.PAYMENTS (Salary Payments in Repair) enquiry is introduced to list the salary payments that are in the repair queue.

> **The topic related to this feature is given below:**
>
> Payroll Processing and Wage Protection System

SIMAH Credit Bureau Interface » Salary Collateral and Reporting Cycle

This functionality allows banks to identify if a customer is a salaried person of

the bank and automatically manage the selection of the contracts for regular reporting containing the financial information required by the Saudi Credit Bureau (SIMAH).

The following fields have been introduced as part of this functionality.

- The *No. of Days* field has been added to the `SASIMA.PARAMETER` application to specify the days based on which the cycle *Id* date will be reported.
- The *Salary Customer* field has been added to the `CUSTOMER` application to identify if the customer is a salaried person of the bank.

> **The topic related to this feature is given below:**
>
> SIMAH Credit Bureau Interface

Spain Model Bank

Allfund Bank (AFB) Interface » Allfund File Record 73

This functionality allows banks to store in Temenos Transact the new subtypes in the Record 73 version 1.6 sent from All Funds Bank (AFB).

New fields have been added to the `ALLFND.FUND.SECURITY` application to store the Markets in Financial Instruments Directive (MiFID) related details of the funds that are received from AFB as part of the Record 73 version 1.6.

The topic related to this feature is given below:

Allfund Bank (AFB) Interface

Tunisia Model Bank

Foreign Currency Operations » Import Documentary Credit

This functionality allows banks to reserve the related foreign trade title, information sheet, or F2 sheet while opening an Import Documentary Credit (IDC).

The following items are introduced as part of this functionality:

- New local fields are added to the Letter of Credit module to store and validate the details of the linked documents like Foreign Trade Title (TCE), F2, or information sheet. These fields will facilitate the linking of the TCE, F2, or information sheet provided all the conditions like currency, customer, expiry date, etc. are satisfied. Once the issuance is authorised, the amounts will get reserved and the details will be updated in the respective applications.
- The `LETTER.OF.CREDIT,IMPSIGHT.TN` version is used to import the sight letters of credit.
- The `LETTER.OF.CREDIT,IMPUSANCE.TN` version is used to issue the import usance letters of credit.
- The `LETTER.OF.CREDIT,IMPNEGO.TN` version is used to issue the import negotiation letters of credit.
- The `LETTER.OF.CREDIT,IMPMXPMT.TN` version is used to issue the import mixed payment negotiation letters of credit.
- The `LETTER.OF.CREDIT,IMPSTDBY.TN` version is used to issue the import standby letters of credit.

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

Foreign Currency Operations » Customer Letter of Guarantee

This functionality allows banks to reverse and amend a guarantee.

- The `MD.DEAL,REG.INFO` version has been attached to the `MD.DEAL,GTISS.TN` with the *Title Code*, *Domiciliation No* and *Amount* fields to capture the pre-approved documents.

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

Foreign Currency Operations » Outgoing Transfers

This functionality allows banks to initiate payment transfers on behalf of their customers for various transactions like foreign trade title, F1, F2, information sheet, etc. While processing the payments for these underlying title documents, specific regulatory checks will be done before allowing such transfers.

The following items have been introduced as part of this functionality:

- The `PP.ORDER.ENTRY,TNFCOP.SCHOOL.PROF.INPUT` associated version has been attached to the `PP.ORDER.ENTRY,TNFCOP.INPUT` version to allow users to initiate the schooling or professional file payments.
- The `PP.ORDER.ENTRY,TNFCOP.SCHOOL.PROF.AUTH` associated version has been attached to the `PP.ORDER.ENTRY,TNFCOP.AUTH` version to allow users to authorise the schooling or professional file payments.
- The `PP.ORDER.ENTRY,TNFCOP.OTHER.TITLE.INPUT` version is used to create transactions for the TCE/F1/F2/information sheet.

- The `PP.ORDER.ENTRY,TNFCOP.OTHER.TITLE.AUTH` version is used to authorise the transactions for the TCE/F1/F2/information sheet.

The topic related to this feature is given below:

Foreign Currency Operations

United States Model Bank

US Core » Regulation TCPA: Multiple Devices and Time Window

This functionality allows banks be in compliance with TCPA Regulation by recording and maintaining the customer's preferences regarding contact over phone and fax and by recording and maintaining the customer's consents regarding contact over the phone, text and fax.

The `USREGS.CONTACT.DETAILS` application has been introduced to store the customer contact details.

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

US Retail » Periodic Account Statements

This functionality allows financial institutions to produce period account statements.

Changes have been made to the xml statement file (exclusion of returned checks from the check details section, updates to the account title mapping, new account status tag and address details mapping changes in case of bad address) and defaulted narratives in case the transaction narrative is not provided or for returns.

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

Retail

Arrangement Architecture » Memo Balances at Multi-Currency Level

In a Multi-Currency (MCY) structure, for any credit or debit posted to a sub-account, the system raises a memo entry at the multi-currency account level. This can be achieved by ensuring a setup in MCY arrangement and sub-account level.

The MCY product's condition should be set with *Multi Currency* as Yes, *External Posting* as No and *Balance Treatment* as Memo, while the sub account has the regular setup.

The topics related to this feature are given below:

Configuring Memo Balances at MCY Level

Memo Balances at MCY Level

Arrangement Architecture » Automatic Creation of Base Currency Sub-account

When a Multi-Currency Account is created, the system can be configured to create base currency sub-account automatically. This account is created in the product defined in the Sub- Arrangement Rules. This feature avoids manual creation of base currency sub- account and results in instant activation and functioning of Multi-Currency arrangement.

In the product designer, a new *Product Only* field is available that can be set as MCY. This field indicates that product can be used as a sub-account product under the MCY hierarchy. The system evaluates if the sub-account created under the MCY arrangement has *Product Only* set as MCY at the product level.

NOTE: This field is applicable only for AR product line.

The topics related to this feature are given below:

Multi-Currency Account Creation

Configuring Automatic Creation of Base Currency Sub-account

Defining MCY Sub Account Product

Base Ccy Product Attribute

Automatic Creation of Base Currency Sub-account

Arrangement Architecture and Lending » Defer Property Type

The Periodic Charges functionality is enhanced with Defer Property Type that allows the bill to be issued in advance. The assessment period for the Defer type of periodic charges is from the previous to current issue bill date. Defer type periodic charges should include only the deferred charges. Other features like activity-based charges with free counts are not possible in Defer type periodic charges.

The topics related to this feature are given below:

Defer Property Type

Defer Type Periodic Charges

Issue Bill In Advance

Arrangement Architecture and Lending » Extend Cycle for Periodic Charges

Scheduled periodic charges can now be extended and collected beyond the

loan maturity or payment end date using the *Extend Cycle* field in the corresponding Payment Type till the loan is closed. If the *Extend Cycle* is not set, then the deferred periodic charges (that are raised after the bill issue date till loan maturity) are billed (made due) on the loan maturity date and these are not billed post maturity date.

The topics related to this feature are given below:

Extend Cycle field in Payment Schedule

Configuring Extend Cycle

Arrangement Architecture and Lending » Advance Repayments in Loan

Advance Repayment of bill is now possible for all payment types except the routine and transaction amount based payment types. During an advance payment, the customer receives an interest benefit from the interest component and the principal component paid in advance. During an advance settlement:

- The system settles the accrued interest till date and the remaining interest component paid by the customer is apportioned towards the principal.
- Thus, the principal is reduced both from the advance payment of principal and any interest component that is apportioned towards the principal.
- The interest accrual after the advance payment is on the reduced principal after the advance payment.

The topics related to this feature are given below:

Advance option in Payment Rules

Configuring Advance Payment of Installments

Working with Advance Payment of Installments

Technology

Design Framework

Temenos Workbench V1 (UXP) » Managing Bulk Record Transactions

In the single transaction mode, whenever a package containing LOCAL.TABLE (LT), LOCAL.REF.TABLE (LRT) and EB.TABLE.DEFINITION (ETD) is deployed, the deployment used to fail.

To avoid such deployment failures, Single transaction mode is now enhanced so that when the user selects Single Transaction mode, the data record validation or deployment now displays two modes of Transactions – NO Transaction mode and Single Transaction mode.

Records classified as `NoTransactionTypes` are validated or deployed first in NO Transaction mode, all other records are validated or deployed in Single Transaction mode by applying sequence per Phase/Chunks.

The topic related to this feature is given below:

Bulk and Company Management

Integration Framework

Integration Framework Runtime » Additional Modes in Event Delivery using Integration Service

The following additional modes for event delivery are now available in integration service. These additional modes provide flexibility to the user in selecting various modes based on the required functionality.

- NO.BATCH.SORTED
- NO.BATCH.NO.PRIORITY
- NO.BATCH.SORTED.NO.PRIORITY
- INITIAL.LOAD

> **The topic related to this feature is given below:**
>
> Integration Service Parameter Table

Interaction Framework

IRIS R18 » Rules Engine Support for UXPB

UXPB now supports Rules Engine to allow you to define your own rules against a UXPB operation. This enables rules validation for UXPB before performing any operation in Transact if rules are applicable to the specific resource.

> **The topic related to this feature is given below:**
>
> Rules Engine Support for UXPB

IRIS R18 » API Timeout

IRIS now supports timeout of the API based on the SLA mapped against the `apiSlaMappings.json` file where you can define SLA for an API during its creation in the work bench and gets packed within the service jar. Each SLA is defined with a timeout value in milliseconds in the Config MS.

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

IRIS R18 » Sample Error Response for 400, 500 and Default for New Quantum Based IRIS Workbench

IRIS R18 uses a workbench designed using the Kony Visualiser and Fabric. The workbench is now enhanced to allow you to map the response and payload fields to generate the swagger with sample data.

This feature uses the IRIS endpoint to load the fields of an artefact to map the field to sample value in workbench. Once the artefact is added and fields are mapped to the sample data, workbench creates inventory with sample data and sends the request to IRIS to generate the swagger and service xml. The generated swagger json contains the sample data as example in definitions.

> **The topic related to this feature is given below:**
>
> Sample Error Response for 400, 500 and Default for New Quantum Based IRIS Workbench

Treasury

Money Market » Amount Compounding of Money Market Contracts using RFRs

The London Interbank Offered Rate (LIBOR) retires at the end of 2021. It is expected to be replaced by overnight Risk-Free Rates (RFRs). The new LIBOR alternatives are backward-looking RFRs and the standard market practice is to compound these rates daily until a final rate is calculated by the end of a given interest period

As an alternative to rate compounding method for using RFRs in transactions and calculating interest, amount compounding (or compounding the balance instead of the rates) which is a more accurate method is available for calculating interest in case of changing principal within a given interest period.

The `MONEY.MARKET` application now supports amount compounding of money market contracts using daily RFRs.

The topics related to this feature are given below:

Calculation Methods for RFR Averaging

Amount Compounding of Money Market Contracts using RFRs

Installation and Configuration Notes

Banking Framework

Generic Accounting Interface » Incremental Authorisations

The following new fields have been added to Temenos Transact applications:

Application	Fields
AC.LOCKED.EVENTS	RESERVATION.ID JOURNAL.ID
AC.INWARD.ENTRY	JOURNAL.ID UPDATE.MODE

The following new columns have been added to FAMS tables:

Table	Columns
Ms_ac_locked_events	ReservationId JournalId
Ms_ac_pending_request_queue	JournalId UpdateMode
Ms_ac_request_archive	JournalId UpdateMode

Corporate

Lending Facility » Enhanced Evidence Management

The user has to enable the `AA.PROPERTY` record of the Evidence Property Class for forward dated conditions.

I Technical Notes

Banking Framework

Generic Accounting Interface » Incremental Authorisations

The getOneReservation provider API has been changed to allow the user to request a specific incremental reservation by specifying the *Journal ID* in the query. If no *Journal ID* is supplied, all the incremental reservations associated with the given reservation ID will be returned. *Reservation ID* and *Journal ID* are returned in the body.

The getReservations provider API has been changed to return the *Reservation ID* and *Journal ID* in the body for each reservation.

Accounts » Accounts – System-wide Jobs for COB Efficiency

The following jobs have been modified to run as TSA.SERVICE.COB at application stage rather than being run within the COB process.

- EOD.AC.VIOLATIONS.HIST

Few system-wide jobs have been merged into different composite jobs as follows:

- The ACCOUNT.SYSTEM.EOD.4 composite job has been added that executes below said jobs as actions for the account as applicable. These composite jobs select the `ACCOUNT` file and execute each action only when the account is applicable to be processed under respective action.
  - AC.BAL.REFER
  - PRINT.ACCOUNT.STMT
  - DELETE.CLOSED.ACCOUNTS
  - ACCT.STMT.MT942.RESET
  - EOD.AC.VIOLATIONS

Corporate

Lending Facility » Enhanced Evidence Management

For evaluating evidences, the following setup should be in place.

- The complex data element can be defined as an algebraic expression between data elements and numbers. The allowed operations are +, -, * and /.
- The routine based calculation for a data element can be performed by defining a routine in the *Routine* field in the `AA.DATA.ELEMENTS` application.
- The *Notice Days* field defined in the Evidence Property Class takes precedence over the notice days defined in the `EV.EVIDENCE.REQUIREMENT` application.

Private Wealth

Securities » Securities – System-wide Jobs for COB Efficiency

Various system-wide Securities (SC) jobs have been merged to run as a single master job. The SC.EOD.SEC.ACC.MASTER master job selects and processes the records from `SEC.ACC.MASTER`. The following jobs are merged and executed as actions under the SC.EOD.SEC.ACC.MASTER job.

- SC.FEE.REALISE
- SC.POS.MVMT.CLEAR
- SC.OL.VAL.SEC

The SC.EOD.SAM.ACTIVITY master job selects and processes the records from `SEC.ACC.MASTER`. The following jobs are merged and executed as actions under the SC.EOD.SAM.ACTIVITY job.

- SC.GROUP.POS.ASSET.CLR
- SC.OL.VAL.MASTER
- FD.EOD.UPDATE.CUST.VALUE
- SC.EOD.POS.ASSET.HIS
- SC.EXT.ADV.FEES.ACTIVITY
- SC.EXT.ASSETS.BAL
- SC.EXT.SAFEKEEP.ACTIVITY
- SC.EXT.CLOSING.BAL

The SC.EOD.SAM.FEE.CALC master job selects and processes the records from `SEC.ACC.MASTER`. The following jobs are merged and executed as actions under the SC.EOD.SAM.FEE.CALC job.

- SC.CPMF.SKF.SINGLE.CALC
- SC.CPMF.SKF.PRATA.CALC
- SC.CPMF.ADC.SINGLE.CALC
- SC.CPMF.ADC.SINGLE.CALC
- SC.SAFE.FEES.ACCRUAL

- SC.SAFE.FEES.MONTHLY.ACRL
- SC.ADV.FEES.ACCRUAL
- SC.ADV.FEES.MONTHLY.ACRL

> **NOTE:** Each action is performed for the records, only when the criteria for the respective action is fulfilled.

Trade Finance

Miscellaneous Deal » Application and Start of Day Jobs for COB Efficiency

Merge the jobs which have a common table select to reduce COB timings. The MD.EOD.PROCESS master job selects and processes the records from `MD.DEAL`. The following jobs are merged and executed as actions under the MD.EOD.PROCESS.

- MD.EOD.PROCESS.SCHEDULES
- MD.EOD.ACCRUAL
- MD.EOD.STATIC.CHANGES
- MD.TRANSFER.TO.HIST

The MD.SOD.PROCESS master job selects and processes the records from `MD.DEAL`. The following jobs are merged and executed as actions under the MD.SOD.PROCESS.

- MD.SOD.PROCESS.SCHEDULES
- MD.SOD.ACCRUAL

The MD.SOD.PARAMETER.UPDATE master job selects and processes the records from `MD.PARMETER`. The following jobs are merged and executed as actions under the MD.SOD.PARAMETER.UPDATE.

- MD.SOD.ACCRUAL.POST
- MD.SOD.MONTH.START.CHECK