What's New in

Temenos Transact

November 2021

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Release Highlights

Application Framework

System Core (EB) » Monitoring the COB Progress in T24 Log

Temenos Transact allows to emit COB information as DES events by enabling the **Data Stream** field in SPF. But there was no provision to emit this information in T24 logs.

Transact is now enhanced to monitor COB through its respective stages and push the information to the T24 log. Any third-party log monitoring solutions can parse the logged information and use it for graphical or dashboard display, as required.

The topic related to this feature is given below:

Monitoring the COB Progress in T24 Log

Banking Framework

Generic Accounting Interface » Multi-currency Account Structures

The system is enhanced to identify the appropriate account in a multicurrency structure, to perform funds check, posting restrictions check and post reservations at both sub-account and top account levels for GAI (Generic Accounting Interface) transactions.

When a transaction is posted through GAI, irrespective of its type (COVER, RESERVE or BOOK) or processing mode (CSM, CSMBULK, CSMBATCH), the system identifies the appropriate account in the structure. If the account specified in the transaction has the *Multi-currency Parent* field set to Yes, it is considered as the top account (Parent), and based on the AA Product definition, the system identifies the sub-account (on-balance sheet account) under which the transaction must be applied.

Payments received at the top account or sub-account level must consider the overall funds availability in the entire structure. Based on the identification of the accounts in the structure, funds check is performed at both levels, and if the funds check fails either at the sub-account level or at the top account level, the response is sent to the caller indicating that the funds check has failed. The system indicates separate responses for both accounts, if both fund checks fail.

The system also checks, whenever a transaction is received through GAI, the posting restrictions at both sub-account level and at the top account level, based on the parent account defined in the sub-account. If a reservation is received through GAI and it is received for an account which is part of a multi-currency structure, the system first identifies the appropriate sub-account and propagates the reservation in the entire structure, up to the top (Parent) account. This functionality offers the following benefits:

- Identifies the appropriate sub-account in a multi-currency structure, based on the account and currency supplied in the GAI transaction.
- Performs a funds check at the sub-account and top account level before a transaction is posted.

- Performs posting restriction check at the sub-account and top account level.
- Posts reservations in the entire MCY Structure (at the sub-account and top account level).

The topic related to this feature is given below:

Multicurrency Account Structures

Accounts » Processing Merchant Return Transactions

The Generic Accounting Interface has been enhanced to support the merchant return transactions and to process them (create, update, cancel and book) when Temenos Transact is online. After a merchant return transaction is identified by the OFS clearing process for create, update and cancel, it does not impact the Aggregated Credit Reservation Balances, and therefore, the calculation of the Available Balance is not affected. This functionality reduces customer service inquiries to merchants from cardholders seeking a refund and reduces the number of cardholder chargebacks.

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:

Configuring Merchant Return

Working with Merchant Return

Generic Accounting Interface » Best Match for Full Booking

The Generic Accounting Interface has been enhanced to identify the best match reservation and cancel all the incremental authorisations for the respective reservation, when there is no exact match with the Reservation ID. In this case, the account provided in the OFS clearing booking message indicates the reservations through which the system checks and identifies the best match. No error message is displayed if the reservation or any incremental authorisation under it cannot be found through the best match logic. In this case, the booking is done and no reservation is cancelled.

This functionality allows banks to use the best match capability through the OFS clearing process when no exact match reservation for a given account is found in the system.

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

The topics related to this feature are given below:

Best Match

Configuring Best Match

Working with Best Match

Generic Accounting Interface » Partial Booking

The Generic Accounting Interface has been enhanced to allow processing of partial bookings; therefore, the related reservations are reduced by the booking amount and not completely removed from the system. The OFS clearing process supports partial booking requests; hence, the reservation is not completely removed from the system, but just reduced by the booking amount.

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

The topics related to this feature are given below:

Partial Booking

Working with Partial Booking

Generic Accounting Interface » Generic Accounting Interface Performance Improvements

To reduce the time taken to process a debit or credit to an account through the Generic Accounting Interface and improve performance, the following options have been added:

- Restriction Checking and Background Activity – This option splits the processing into two transactions. The first process raises the accounting (STMT entry and balance update) to the target account after performing all the restriction checks using the dedicated restriction check method. An AA Activity request is created and submitted to a dedicated background service to process this activity in near-real time.
- Consolidated Batch Status Response – Additional processing is performed to monitor whether a batch of transactions submitted is completed and then an additional batch-level response is issued on completion. This batch-level response is not always required and is made optional.

The performance improvements to the OFS clearing process reduce response times.

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

The topic related to this feature is given below:

Generic Accounting Interface Performance Improvements

Private Wealth

Capital Gains » Excluding Certain Fees from Expense

The charges set in trade and transfer through the multiple charge framework using the SCDX.CHARGE.PARAMETER application are not included in the expense calculation. There is a need to include all the expenses in the base application for CG calculation, provided the expense is not excluded at a parameter level.

The Securities module is now enhanced to include all fees and charges in the expense calculation. The system is enhanced to include all the expenses in the base application for CG calculation (CG.TXN.BASE), provided the expense is not excluded at a parameter level. Banks can now decide on excluding certain specific fees and parameterise the fees to be excluded in expense calculation for trades and transfers. The excluded fee or charge is not a part of the cost and proceeds calculation.

The topic related to this feature is given below:

Excluding certain Fees from Expense

Derivatives » Underlying Maturity Date of Options with Underlying as Futures

Options on future is a type of derivative contract where underlying is another derivative, that is, a future. These contracts give the buyer the right, but not the obligation, to either buy (go long) or sell (go short) a particular underlying futures contract at a specified price on or before the expiration date. The underlying futures may have a maturity date different from that of the option’s contract. Currently the system assumes that the option and future maturity date are same.

The Derivatives module is now enhanced to allow the bank to define the maturity date of the underlying future contract for the options with underlying as futures. For example, if the option maturity date is Nov 2020, the banks can now define the underlying future's maturity date as Nov 2020 or Dec 2020 as per the contract terms. The maturity date of the underlying futures contract is updated in the ID of the `DX.MARKET.PRICE` and `DX.REP.POSITION` applications of the option contract to distinguish the price records and positions.

The topics related to this feature are given below:

Option with Underlying as Futures

Option Prices with Underlying as Futures

Securities » MiFID Regulation Compliance for Valuation Drop Notification

According to MIFID II regulation, banks should record instances whenever the portfolio valuation drops by 10% or more with respect to the portfolio market value on any particular trading day from the valuation period start date. Any subsequent falls in multiples of 10% should also be recorded.

Temenos Transact is enhanced to record such instances whenever the portfolio value drops by 10% or more, during the reporting period. This enables the banks to adhere to the MIFID II regulation and update the customers on the valuation drop during the reporting period.

The topics related to this feature are given below:

Introduction to MiFID Regulation for Valuation Drop Notification

Handling Portfolio Drop Instances

Portfolio Drop Instances Report

Regional Banking Solutions

Argentina Model Bank

Taxes » Tax Rates Regulatory

Some of the rates applied in calculating the Turnover Collection tax on incoming transfers on savings accounts were changed to comply with the Argentinian regulation.

This functionality enables banks to handle the rates applied in calculating the Turnover Collection tax on incoming transfers on savings accounts for the following jurisdictions: Catamarca, Corrientes, San Luis, and Salta.

The topic related to this feature is given below:

Taxes

Finland Model Bank

Incoming Payment Processing

This functionality allows financial institutions to process incoming payments where the company cash account is maintained in another bank. The financial institution will receive incoming camt.54 and camt.53 payment messages and will process these (for fees, repayment, prepayment, payoff) based on the Finnish reference number. The INCMMS module is required to receive the camt.54 and camt.53 payment messages, and it runs as a microservice in its own stack.

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

- The `FIIPMT.INCOMING.PAYMENT.PARAM` application allows users to parse the creditor reference number and map the payment order initiation type which needs to be used to initiate the settlement.
- The `FIIMPT.INCOMING.PAYMENT.FILE` staging application has been introduced to act as the master log file which will record every incoming payment that is sent by the bank and then processed by Temenos Transact for making the settlements.
- The `FIIPMT.PAYMENT.INFO` application has been introduced to store the status of each payment under an entry in the staging application. The `FIIPMT.PAYMENT.INFO,VIEW` version can be used to view the existing records from the application.
- The FIIPMT.INCOMING.PAYMENT.INFO.DETAILS enquiry has been provided to view the details of the records from the `FIIMPT.INCOMING.PAYMENT.FILE` staging application.
- The FIIPMT.PAYMENT.INFO.DETAILS enquiry is provided for the `FIIPMT.PAYMENT.INFO` application to list all the records that are in a specific status.

The topic related to this feature is given below:

Incoming Payment Processing

Germany Model Bank

Taxation Interface to CPB SECTRAS » Derivatives Close Outs and DX Transfer

This functionality allows banks to manage closeouts on derivatives Exchange Trade Derivatives (ETD) options. When there is closeout on derivatives ETD options, the respective closeout details will be sent to CPB SECTRAS. In return CPB SECTRAS responds with the tax amount if applicable and the closeout transaction is authorised in Temenos Transact.

> **The topic related to this feature is given below:**
>
> Taxation Interface to CPB SECTRAS

Israel Model Bank

Fees Optimisation » Non-Execution and Minimum Fee

This functionality manages the calculation and posting of fees for securities or derivatives orders, based upon the gross amount total of the corresponding trade executions. Non-execution and minimum-maximum fees can be applied.

The topic related to this feature is given below:

Fees Optimisation

New Zealand Model Bank

Deposits » Calculate the Break-Cost Interest on Full and Partial Breaks

This functionality allows banks to calculate the break costs on full and partial breaks when a customer requests for an early withdrawal in term deposits.

New API’s have been introduced to create or retrieve the information about term deposit redemptions requested and executed.

The topic related to this feature is given below:

Deposits

Spain Model Bank

Foreign Exchange Operations » Segregation of Spot Position Accounts

This functionality allows banks to segregate contingent accounts based on the transaction type and update the balance in the general ledger due to a Forex deal spot where the value date of the deal is greater than the deal date so that the contingent spot position accounts will be segregated.

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

- The `FOREX,ESMB.SPOTDEAL.BUYFCY` version allows users to buy foreign currency against EURO.
- The `FOREX,ESMB.SPOTDEAL.SELLFCY` version allows users to sell foreign currency against EURO.
- The `FOREX,ESMB.SPOTDEAL.BUYSELLOC` version allows users to buy foreign currency against any other currency.
- New configuration records have been created for each deal type in the reporting module to display the contract balances separately under different lines in the general ledger based on the classification defined at the FX contract level.
- The *Spot Deal Class* field has been introduced to the `FOREX,ESMB.SPOTDEAL.BUYFCY` version to specify the type of transaction for the segregation. This field will define the type of spot deal that is being executed. The value will be defaulted at the version level based on the type of spot contract.

The topic related to this feature is given below:

Foreign Exchange Operations

Tunisia Model Bank

Foreign Currency Operations » Foreign Trade Title Clearance - TCE Clearance

This functionality allows banks to send reports to the Central Bank of Tunisia regarding foreign trade titles. It also allows the update of the imputation, settlement, reservations and advance settlement manually.

The `TNFCOP.TRADE.TITLE.ADV.PAYMENT` application has been introduced to store the trade titles which are linked to the advance payment during the manual input of an advance settlement.

The topic related to this feature is given below:

Foreign Currency Operations

United States Model Bank

US Real Time Gross Settlement » Fedwire Countdown Period for Cancellation

In order to provide an adequate protections to senders of international wire transfers, financial institutions must comply with regulation E and provide the rights of cancellation to customers who send wire transfers to other consumers or businesses in a foreign country.

The RegE international transfers hold functionality has been modified to honour outgoing international Fedwire cancellation requests within 30 minutes of the payment disclosure e-mail delivery to client in accordance with Regulation-E § 1005.36.

The topic related to this feature is given below:

US Real Time Gross Settlement

Retail

Arrangement Architecture » Pricing Rules for MCY Accounts

To facilitate the banks to offer a special pricing on charges levied at the multi-currency offering (arrangement) for the purpose of rewarding the customer, Transact now allows the following capabilities:

- Whenever a scheduled or activity charge is raised against a MCY account arrangement, a discount on charge or premium on bonus can be given if specific conditions are met. This special pricing can be subject to evaluation of some conditions. The evaluation rule for the pricing has to be enabled to verify the balances or transaction counts based on the overall balances or transaction count of one or all the sub-accounts combined in the MCY arrangement structure. The discount on charges or premium on bonus is given only if those conditions are satisfied.
- The user can define a pricing benefit for the CHARGE property. This pricing benefit can be a complete waiver or adjustment of the charge post evaluation of the rule specified against that pricing benefit.

> **The topic related to this feature is given below:**
>
> Pricing Rules for MCY Accounts

Arrangement Architecture » End-to-End Transaction Processing and Migration of MCA

Preferential Pricing

To facilitate banks to reward the customers based on their relationship with the bank or the channels through which the customers access and transact on their MCY accounts, Transact is now enhanced to apply preferential pricing to the

MCY accounts through the following pricing strategies, either independently of each other or in combination:

- Regional Pricing
- Customer Related Arrangements Pricing (CRA)
- Bundle Pricing
- Package Pricing

As a result of the pricing applied, a premium or discount can be applied on the charges in MCY arrangements. The MCY arrangements can be also included in pricing evaluation based on product count and/or combined balance.

MCY Contract Take Over/Migration

It is now possible to take over a MCY account from the legacy system. When the sub-accounts are created, the sub-balance and accruals are captured at the sub-account level. The sub-account balance automatically flows to the MCY arrangement as a memo balance and it is displayed as a memo balances at the top account level.

MCY Card Processing

The user can issue a new card at the top account level and have the card fee raised and settled from the sub-account linked to card. Besides user convenience, there is ease of access to MCY account information as the balances of the customer in Single Customer View (SCV) screen is also made available.

The topics related to this feature are given below:

Pricing Rules for MCY Accounts

Migration of MCY Account Details

Configuring Multi-Currency Account Maintenance

Linking a Card with Charge to MCY Account

Single Customer View (SCV)

Using Payment Order to Debit/Credit Sub-Account Directly

Arrangement Architecture » Credit Check, Automatic and Customer-Initiated Position Transfer in Multi-Currency Arrangements

This functionality includes:

- Credit Check - The Balance Availability Property Class is added to the MCY product line to perform a credit check at the MCA level.
- Automatic Position Transfer -The credit check for an MCY arrangement can be performed at the MCA level. As a result of this credit check at the MCA level, when the user debits an MCY arrangement (to transfer funds to another account), the system allows the transaction to be processed in a currency where the transaction amount is more than the sub-account balance. This can lead to a debit balance or overdraft in the sub-account. In such a scenario, the system can be configured to automatically move the funds from one currency to another within the MCY structure.
- Customer-Initiated Position Transfer - The customer can manually request for an internal position transfer from one currency sub-account to another under the same MCY structure.

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

The topics related to this feature are given below:

Position Adjustment and *Adjustment Order* Attributes

Configuring Credit Check in MCY Structure

Working with Automatic and Customer-Initiated Position Transfer

Arrangement Architecture » Capture Historical Bills and Historical Transaction Balance

During the takeover of an arrangement from the legacy system, the system can also capture the historical bill and historical transaction balance in Transact. To enable this, the following two activity classes are introduced in Transact.

- Capture Historical Bills - Used to take over the settled bills from the legacy system.
- Capture Historical Transaction Balance - Used to capture the net movement for a given day from the legacy system. The interest movements from the historical interest bills adjust the running balance as well.

This feature allows the user to make back value dated changes beyond the Transact Take Over date and perform bill adjustments.

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

The topics related to this feature are given below:

Capture Historical Bill and Balance

Processing of Back Dated Schedules

Technology

Design Framework

Temenos Workbench V1 (UXP) » Supporting Bootstrap Package API

The `dsf-iris.war` file deploys the Bootstrap packages. If you want to push any changes in the Bootstrap packages, then you must redeploy the `dsf-iris.war`.

As it is not ideal to insist redeploying `dsf-iris.war` in Cloud operations, a new API is introduced that allows to deploy the Bootstrap package. Bootstrap API allows deployment of single or multiple Bootstrap packages in jar or zip format.

Deployment of multiple Bootstrap packages is supported using a comma separator operator and wildcard. By default, deployment of the Bootstrap packages is incremental mode.

> **The topic related to this feature is given below:**
>
> Supporting Bootstrap Package API

Interaction Framework

IRIS R18 » Config MS Reversion and Standardization

Configuration files and design time artifacts are stored and uploaded through the

API interface. The upgraded MS version supports the text data string payload.

Now, the new micro service V2.0.0 functionality supporting the text data string payload on storing and fetching the data through the API interface, where explicit encoding and decoding of the data is not required from the application end.

The uploaded payload against the V1.0.0 API interface can also be retrieved with the V2.0.0 API interface. Supporting upgraded V2.0.0 micro service API interface is in IRIS R18.

The topics related to this feature are given below:

Implementing Rule Engine in IRIS R18 using Config Microservice

Regex Engine

API Timeout

IRIS R18 » Rules Engine Invocation Defaulting Value

IRIS supports to default values for fields in the request payload during rules evaluation, that is, the rule engine can set value for the request payload field, and this new value will be sent to the Transact. IRIS has an existing functionality in which it supports only the validation rules (true or false).

Now, IRIS supports defaulting capability, that is, the rules engine can update the request payload value based on the condition written and this new value is sent to the Transact through OFS. Rules are written and deployed in a dedicated Rules Engine server.

The topic related to this feature is given below:

Implementing Rule Engine in IRIS R18 using Config Microservice

Platform Framework

Infrastructure » Automatic Inbox – Outbox Clean up

In Microservices, Event-based support is made available using Inbox -outbox library, which guarantees to process the received event messages within the business transaction. But the Inbox and outbox table captures incoming and outgoing event messages continuously in each of the microservices. After a period, these messages are not relevant to the bank and add more costs in terms of performance and hardware.

So, Infrastructure is now enhanced with auto clean up procedure, which is available in all the microservices.

The topic related to this feature is given below:

Automatic Inbox – Outbox Clean up

Infrastructure » Distributed Logging

Microservice Framework is now enhanced to identify errors and events raised from individual microservices after enabling the Logger monitoring. You can refine the search to view only the required logs by using filters on microservice name, Function name or Layer and log levels.

Distributed logging is used for creating ingestion pipeline for collecting logs from

multiple devices and store in Elasticsearch storage for visualizing and analyzing through Grafana.

Existing TemnLogger object instances are upgraded to support opentelemetry tools to record data in a more observable data.

The new functionality allows you to view errors on API, ingesters, only MS raised logs with filters, errors raised at log levels, APP, database and service layers in the dashboard.

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

Transact Email » Supporting PDF Attachments

As per the RBI guidelines, the advices or statements must be attached as a password protected PDF file. Previously, the Email implementation sent only the debit and credit alerts of an accounts to the account holders.

Transact Email has now been enhanced to support PDF file attachment of the advices and statements into the Email. The new feature allows the bank to send the alerts and statements to the customers using plain text password PDF attachments through Transact Email which secures the customer account information. The Email sent is enriched with enriched attachment using HTML. This feature allows banks to switch between Emails with or without attachment based on their requirement and can customise the Email message sent to the customers.

> **The topic related to this feature is given below:**
>
> Supporting PDF Attachments

Trade Finance

Letters of Guarantees (MD) » CSN Currency in Miscellaneous Deal

A trade finance transaction in the MD.DEAL application can be made in any currency. The commission and charges are calculated in this transaction currency and debited from account of any currency. Subsequently, amortization and accruals happen in this currency. However, when CSN currency is specified, the commission is waived, the refund amount is calculated in deal currency and returned to the credit account currency.

The Miscellaneous Deal (MD) module is enhanced to support the commission calculation and collecting the commission in local currency other than that of value in the *Currency* field of MD.DEAL. Introduced a set of associated fields in MD.DEAL which can take input as deal currency or local currency to allow an option to take commission, raise accounting entries and subsequent amortization to be generated in local currency and deal currency.

This new functionality supports the commission calculation and collection in local currency other than that of currency in MD.DEAL. Thus, it enables the bank in countries where cross currencies are highly regulated and local currency is not freely traded, it avoids positional entries and exchange rates during accounting and balancing of general ledger books.

The topics related to this feature are given below:

Time-based Commissions

Commission Rate Revision

Calculating Guarantee Commission based on Commission Period

Claimed Commission

Amortisation or Accrual of Charges in MD.DEAL

Movement in Participation

Syndicated Lending » Risk-Free Rates (RFR)

The Syndicate Lending (SL) module is enhanced to support the amount compounding calculation method and zero flooring functionalities for RFR contracts. It also records the daily RFR rates for reconciliation purposes for RFR contracts.

The `SL.LOANS` application is enhanced to support the manual migration and automatic bulk migration of IBOR contracts to RFR contracts. Migration functionality allows banks to keep existing loan contracts active by converting them to RFR contracts.

The topics related to this feature are given below:

Risk-Free Rates in Syndicated Lending

Risk-Free Rates in `SL.LOANS`

Installation and Configuration Notes

Banking Framework

Accounts » Processing Merchant Return Transactions

The following fields have been added to Temenos Transact applications:

Application	Fields
AC.LOCKED.EVENTS	TRANSACTION.CODE MERCHANT.FLAG
TRANSACTION	MERCHANT.FLAG

The following new columns have been added to FAMS tables:

Table	Columns
Ms_ac_locked_events	MerchantFlag TransactionCode
Ms_ac_pending_request_queue	MerchantFlag TransactionCode
Ms_ac_request_archive	MerchantFlag TransactionCode
Ms_transaction	MerchantFlag

Generic Accounting Interface » Best Match for Full Booking

The following data items have been added to Temenos Transact table:

Table	Fields
AC.ENTRY.PARAM	PRTIAL.BOOKING AMOUNT.TOLERANCE

The following fields have been added to Temenos Transact tables:

Table	Columns
AC.ENTRY.PARAM	AMOUNT.TOLERANCE
AC.INWARD.ENTRY	PARTIAL.BOOKING MATCH.RES.STATUS RELEASED.RESERVES
TRANSACTION	MERCHANT.FLAG

Generic Accounting Interface » Generic Accounting Interface Performance Improvements

The following field has been added to Temenos Transact table:

Table	Fields
AC.ENTRY.PARAM	*Attributes*

I Technical Notes

Banking Framework

Accounts » Processing Merchant Return Transactions

The getOneReservation provider API has been changed to return the *Transaction Code* along with the *Merchant Flag* when the user requests the details of a reservation to be retrieved.

The getReservations provider API has been changed to return the *Transaction Code* and *Merchant Flag* in the body for each reservation.

Private Wealth

Securities » Securities– Start of Day Jobs for COB Efficiency

Various application-wide Securities (SC) jobs have been merged to run as a single master job. The SC.BATCH.SOD.SM master job selects and processes the records from `SECURITY.MASTER`. The following jobs are merged and executed as actions under the SC.BATCH.SOD.SM job.

- SC.EOD.BLK.SEC
- SC.SOD.NAU.DIARY.ARCH
- SC.SOD.DIARY.ARCH

The following jobs are merged and executed as actions under the SC.SOD.FEES.REPORT job.

- SC.SAFE.FEES.ACC.REPORT
- SC.SAFEKEEP.ACC.REPORT
- SC.SAFE.ADV.POST

The following list of jobs have been defined as COB Scheduler (TSA.SERVICES.COB) under SC.SOD.TRAIL.FEES batch:

- SC.TRAIL.FEES.ACCR.POST
- SC.ACCR.DATE.UPDATE
- SC.ORD.TRD.FWD.ACCT
- SC.SOD.BROKER.POS.UPDATE
- BOND.LENT.MASTER.EOD
- SC.UPDATE.SM.PRICE
- SC.SM.INT.RATE.UPD
- COB.SC.GROUP.TRADES.ACCOUNTING
- SC.CLEAR.FEE.EXTRACTS

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

Retail

Arrangement Architecture » Credit Check, Automatic and Customer-Initiated Position Transfer in Multi-Currency Arrangements

The following events must be configured in AC.EVENTS for Automatic and Customer Initiated Position Transfer:

- ACCOUNT-CR.MOVEMENT-PAY-INT
- ACCOUNT-DR.MOVEMENT-DUE-INT

Read the AC.EVENTS section for more information.

Arrangement Architecture » Capture Historical Bills and Historical Transaction Balance

The following events must be configured in AC.EVENTS to process back dated schedules.

- ACCOUNT-CREDIT-PAY-HIS
- ACCOUNT-DEBIT-DUE-HIS
- INTEREST-CAPTURE.BILL-DUE-HIS
- INTEREST-CAPTURE.BILL-PAY-HIS

Read the AC.EVENTS section for more information.

Extensibility APIs

Java Extensibility

Category: New Enhanced Existing Deprecated

Package	Class	Method name	Description	Hook*/ API
payments	PaymentLifecycle	**getStatementNarrative**	Gets the narrative which will be updated in the statement lines of POR.POSTING.AND.CONFIRMATION table.	HOOK
payments	PaymentLifecycle	**getRequestType**	Determines the request type used by the transaction recycler to determine which entries should be stored for recycling, when the payment occurs after the cut-off time.	HOOK
payments	PaymentOrderLifecycle	**applyChargeType**	Determines whether a charge type defined in the PAYMENT.ORDER.PRODUCT table is included for the charge calculation.	HOOK
payments	PaymentOrderLifecycle	**setProductId**	Changes a payment order product id for the payment order process.	HOOK
payments	PaymentOrderLifecycle	**validatePaymentOrderRecord**	Validates payment order record.	HOOK
payment	Message	**updatePaymentObject**	Updates the entire payment object.	HOOK

Package	Class	Method name	Description	Hook*/ API
s				
payments	PaymentOrderHook	**isChargeApplied**	Deprecated. Use PaymentOrderLifecycle.applyChargeType instead.	HOOK
payments	PaymentOrderHook	**setPaymentOrderProduct**	Deprecated. Use PaymentOrderLifecycle.setProductId instead.	HOOK
payments	PaymentOrderHook	**getPaymentOrderProductId**	Deprecated. Use PaymentOrderLifecycle.setProductId instead.	HOOK
payments	PaymentOrderHook	**validateRecord**	Deprecated. Use PaymentOrderLifecycle.validatePaymentOrderRecord instead.	HOOK
payments	PostingSchemeAPIHook	**getStatementNarrative**	Deprecated. Use PaymentLifecycle.getStatementNarrative instead.	HOOK
payments	BalanceCheckApiHook	**recyclerLookup**	Deprecated. Use PaymentLifecycle.getRequestType instead.	HOOK
contract	Calculation	**calculateTaxAmount**	Deprecated. Use Calculation.getTaxAmount instead.	HOOK

Package	Class	Method name	Description	Hoo-k*/ API
contract	Calculation	**getTaxAmount**	Enables the implementer to calculate and return the tax amount to be applied for the transaction.	HOOK
clearing	InwardEntry	**validateEntry**	Enables the implementer to validate an inward clearing entry returning a validation response containing an override or error where applicable.	HOOK
system	DataExporter	**getIds**	Enables the implementer to return a list of ids identifying the records to be processed and extracted for the specified table.	HOOK
system	DataExporter	**getRows**	Enables the implementer to extract data from the application record to one or more rows of data for export.	HOOK
system	DataExporter	**getCustomFields**	Enables the implementer to return a list of custom field values to be appended to the row which has been extracted from the application record.	HOOK
system	DataExporter	**excludeId**	Enables the implementer to filter records from the data extract by excluding them.	HOOK
system	DataExporter	**transferDataExtract**	Enables the implementer to transfer the entire data extract from dataExtractPath to the desired location.	HOOK
system	DataExporter	**setCustomFields**	Enables the implementer to set the values of the provided custom fields that are appended to the data export for the application record.	HOOK

Package	Class	Method name	Description	Hoo-k*/ API
system	DataExporter	**getFilterCriteria**	Enables the implementer to filter either the record Id or the entire transaction from data export processing, by returning the appropriate filter criteria.	HOOK
**Hooks are placeholders in Transact where routines can be attached to an application. For example, version, enquiry, delivery and so on.*				