What's New in

Temenos Infinity

January 2022

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|Release Highlights

Temenos Infinity

Digital Banking

Digital Banking Servicing Micro Apps

Micro Apps are applications with specific functionality which are fast and efficient than monolithic applications. While traditional monolithic apps contain a wide range of functionality including front-end and back-end operations, Micro Apps are simple, lightweight in nature with targeted functionality. Micro Apps are smaller and easily manageable resulting in enhanced loading and build times. When using a Micro App, developers can divide the entire front-end and the fabric apps (product) into a group of small features and put those features together to give a full experience to the end-user.

Trade Finance: Enhanced to cover the Drawings capability for the Import LCs.

- View the list of Import LC Drawings.
- Search for a particular Import LC Drawing by using different keywords.
- Filter the list of Import LC Drawing records.
- Select a particular Import LC Drawing and view its details.
- View and manage the discrepancies for an Import LC Drawing.
- Provide payment details for a selected Import LC Drawing.
- View and respond to messages from the bank for an Import LC Drawing.
- Submit an Import Drawing.
- View the Drawing report (details of settlement, delivery messages, advice).
- Print and download the Import Drawing report (details of settlement, delivery messages and advice).

The topic related to this feature is given below:

Digital Banking Servicing Micro Apps

NextGen UI Components

The NextGen UI components are reusable components created using the Component 2.0 architecture of Quantum Visualizer. These components facilitate the usage of components across user journeys (features) of a Micro App to deliver the end-to-end user experience. They are also configurable according to the context of the consuming functions or features. The NextGen UI components are available for the Mobile native channel only.

The following components are introduced in this release:

Carousel Card	Sort	Date Range	Keyword Search
Selection	Slate	Tile	Dropdown
Tabs	Choice Docker	Bottom Sheet	Native Action Sheet
Popup Acknowledgment	Info Popup	Document List	Session Timeout
List	Large Animating Textbox	Animating Textbox	Large Header
Text Area	Date Input	Interstitial	Pagination
Progress Bar	QuickLinks	SegmentedUI	Flow Acknowledgment
Charts			

> **The topic related to this feature is given below:**
>
> NextGen UI Components

Infinity Origination

Enables banks and credit union members to open deposit accounts with a seamless process across multiple channels and submit retail and business loan requests quickly.

Retail Origination

- Mortgage journey
    - Enhanced Income and Employment section in Origination and Assist applications.
    - Collateral details
    - Mortgage loan calculator
    - Funding position in Origination and Assist apps.
- Micro apps conversion for Origination application.
- BSG and US-SaaS feedback enhancements in Origination application.
- Spill over enhancements in Retail journeys such as,
    - Supporting update multiple address and narrative via Entity Overview section of Infinity Assist app.
    - Individual PAM services for data migration of origination to Origination Processing MS.
    - Individual customer creation services for each entity for enhanced error handling.

SME Origination

- Automated credit risk assessments.
- Enhancements to Origination application.
    - Temporary Password mail/SMS to be sent on click on Save and leave.
    - Temporary Password email/SMS to be sent on timeout.
    - Add Additional Company can be done from related company information page.
- Infinity Assist
    - Changes for showing Risk scores on Entity Overview and Facility Overview screens.
    - Ability to Add Address for non-verified party in Entity Overview.
    - Ability to Add/Edit/Delete Narratives in Entity Overview for non-verified party.
    - Task Management - Deep-linking for a Task via URL.

> **The topics related to this feature are given below:**
>
> Retail Origination
>
> SME Origination

Corporate Origination (Infinity Assist)

Provides banks the ability to onboard corporate lending entities and originate retail, SME, and corporate credit facilities on a digital-focused platform for the lending market.

- Application supports modification of existing facilities such as increase in amount and change of maturity date.
- Changes in Onboarding flow, Entity/Facility/Request overviews to support Amendment/Modification journey.
- New task workflow configured for modifications journey (increase amount and change of maturity date).
- Enhancements to Funding and Disbursement section. The application supports capturing multiple payment types (Bank Transfer, SWIFT, and Cheque).

> **The topic related to this feature is given below:**
>
> Corporate Origination (Infinity Assist)

Microservices

Originations Data Storage

Origination Data Storage microservice implements the storage features offered by Journey Manager. This is mainly because the requirements will come from the development of custom user Journeys and Journey Manager has been developed from many years of writing these journeys and it makes sense to learn and expand these features rather than start from scratch.

- AWS - Lambda configuration and Ping implementation changes.
- PostgreSQL Poolsize changes.
- Updated Kafka version to 3.0.
- Logger level changes.
- Added AWS configs.
- Metric changes.

> **The topic related to this feature is given below:**
>
> Originations Data Storage

Origination Processing (Previously Corporate Loan Origination Service)

Origination Processing is a financial service that is offered to corporates in the context of corporate financing and raise capital. This Microservice supports the following functions during the journey of the corporate origination by persisting the data.

- Get deal API - Issue fix for AWS-Dynamo DB implementation.
- Logger and metric changes.
- Comments fix in External Service History.

- Update Narrative - AWS - issue fix.

- Modification task fix.

- Updated the decision ID in Azure and Aws package.

- PostgreSQL duplicate under Review Decision Value.

- Kafka version upgrade to 3.1.0.

- Adding Reference data to Review Risk Assessment Task.

- Cache service configs.

- Requests order fix.

- AWS - Lambda and Ping implementation changes

- Metrics changes.

- Validation changes for funding position.

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

Document Storage

Document Storage microservice provides the virus-free documents hosting capability for Infinity and core banking system.

- The initial Document Storage microservice is released (demo purpose).

- Document Upload, Download, Delete, and Search capability.

- Build-in Clam AV module to perform virus scanning.

- Build-in Apache Sling as the Document Management System.

- Local Docker image running Document Storage Service.

- Configurable to connect to local MySQL DB.

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

Receipt

Receipt microservice is the service that generates a small static PDF receipt from the provided form definition and data payload.

- Upgraded Kafka version to 3.1.0.
- Logger level changes.
- Transaction ID logic upgrade.
- Metric changes.
- Added Jacoco service.

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

Marketing Catalog

Marketing Catalog microservice provides an independent cloud-enabled solution to manage marketing information of the core banking products. It exposes management APIs to manage marketing information for products managed in the core banks.

- Limited the memory consumption for K8 pods.
- Replica set uniqueness is taken care in Kubernetes.
- Enhanced the Azure Scripts to support PostgreSQL Flexible Server.
- Display Name is released in Product Line, Product Group, and Product Information Entities.
- Property is introduced to configure logger level.

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

Due Diligence

Due Diligence microservice enables the banks to handle local regulations regarding the intentions of the customer to consume the services of the bank versus how these are consumed. Different geographies have different regulations in terms of money movement, tax rules, etc. The Due Diligence microservice has a superset of this information and can support local regulations across different geographies.

- Limited the memory consumption for K8 pods.
- Replica set uniqueness is taken care in Kubernetes.
- Enhanced the Azure Scripts to support PostgreSQL Flexible Server.
- Property is introduced to configure logger level.
- Delete API is released for Assessment Entity.

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

Party

Party microservice is used to store various details about the party (customers in Transact) such as personal information, identity details, address details, and so on. A user can create/update/get parties by using the Enterprise APIs of the party microservice Enterprise APIs.

- Limited the memory consumption for K8 pods.
- Replica set uniqueness is taken care in Kubernetes.
- Enhanced the Azure Scripts to support PostgreSQL Flexible Server.
- Released Delete API for Employment Entity.
- Employment Entity is enhanced to hold Employer details.
- Property is introduced to configure logger level.

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

Service Request

Service Request microservice is a generic order management system. It helps to capture the customer's different service requests that are raised by the Retail Banking channels. The microservice maintains the life cycle of all the service requests. The service requests involve services such as New Cheque Book, Stop Payment Request, Dispute transactions, and Block Debit Card.

- Added DailyCashLimit subtype to reference data in ddl scripts of AWS, Azure and Docker.
- Removed metering related configuration for DB container in Docker – postgresql.yml file.
- Updated Junit test cases.
- Created postgresql-azure-pom.xml file.
- Code updates for srms-endpointoptional.
- Commented out J2EE packaging.
- Updated License header comments.
- Added Copyrights headers.
- Changed logger_root_level as ERROR in Docker, K8, Azure, and AWS.
- Added metric changes in K8.
- Added AWS ping to avoid cold start and updated AWS scripts with Lambda standardization.
- Modified "–" to "_" to work in Docker.
- Added support for Ingress and NodePort changes.
- Logger changes in Docker stack.
- Updated the tag version to 202201.0 in Docker stack.
- Added destroy non-interactive scripts.
- Removed ports in install_strimzi.sh as it is not a complete solution.

- Added Strimzi v0.27 to support latest Docker/K8 and updated strimzi-cluster-operator-0.27.0.yaml with copyright headers.
- Updated Azure scripts to support subscription ID for UTP during mvn -Pdeploy command.
- Updated postgres version to 11 in Azure install scripts.
- Added logger property in k8Env.env.
- Updated microservice-parent-core artifact from microservice-parent.
- Updated CreateSRConfigID_withInvalidInput.json by removing the configuration of the same.
- Memory limit changes for K8.
- Updated DB connectivity in PostgreSQL DB.
- Added new SRMS configurations for all the stacks in ddl scripts.
- Modified PostgreSQL pool size to 5 in values.yaml file.

The topic related to this feature is given below:

Service Request

Arrangement

Arrangement Microservice persists all the static information of the arrangements in the core banking system and provides the same details to the digital front office during the stand-in processing or a planned outage (For example, online upgrade of Temenos Transact).

- Added Copyrights in ms-arrangement-core for AmsTokenGenerator.java.
- NodePort Changes: AMS, Dummy Commit for UTP, Updated timed out value, Dummy Commit for UTP, Added script for config installer restart, Dummy Commit for UTP, Dummy commit to trigger Jenkins job, Modified the E2E script to create the AMS tables in docker, Kafka version changes, Dummy Commit for UTP, Reverting the F_DATA_EVENTS change in E2E Scripts, Dummy Commit for UTP, Dummy commit for UTP trigger, Dummy commit for job triggers, Dummy commit for job triggers, Dummy commit to

trigger UTP run, Dummy Commit for UTP, and Modified FBNK_DATA_ EVENTS to F_DATA_EVENTS in E2E Scripts.

- Corrected scripts for creation of Local Reference Table for Customer, Removed the Health check API step in E2E script in ms-arrangement-test.

- Corrected scripts for Transact credentials during login in ms-arrangement-test for Testware.xlsx file.

- SSL Disable for DB Servers, Metrics, Error Info Level, Commenting J2EE Logger Property to ERROR Copyrights headers Logger Property using TAFJ in K8 AWS Ping and Lambda Standardization Metrics Changes in K8, AWS Bug Fixing, Removing Unwanted lines, IRF Container Dependency, getPartyDetailsV2 - Forward Patch in core and all stacks.

- Removed NodePort apply command and Ingress changes in Docker.

- Tag Changes and Logger Level in Docker.

- Updated the MSF artefact name to resolve helm packaging issues in Docker for sql-helm-pom.xml file.

- Modified Memory limiting changes to 1GB in Docker.

- Updated tag version to 202201.0.0 and added logger changes in Docker.

- Updated the following: CreateArrangementInfoDepositsTest.java, CreateArrangementInfoDepositsTest.java, Kafka version in AMS, CreateArrangementInfoDepositsTest.java, CreateArrangementInfoDepositsTest.java, arrangement-api.yaml, arrangement-api.yaml, packK8Zip.sh,

- Memory Limit changes for K8 - AMS, Dummy Commit - AMS, packK8Zip.bat, and Tag Changes in docker.

- AMS Wealth changes in ms-arrangement-test.

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

Account Aggregation

Account Aggregation is an online service, which allows you to consolidate a

range of accounts and other financial information into one interface to simplify the management of personal finances. To bring them into the Infinity fold, Account Aggregation makes use of the Account Aggregation Microservices and a MarketPlace partner solution.

- Commenting out J2EE property, added copyright headers and metrics changes in Kubernetes (K8).
- AWS ping implementation to avoid cold start and updated AWS scripts with Lambda Standardization and CloudWatch updates.
- Modified logger property to ERROR and logger property using TAFJ in K8.
- Updated accountaggregation-ingress.yaml, Ingress changes and removed NodePort in mysql-db.yaml .
- Logger level changes and tag updates.
- Added Strimzi v0.27 for the latest K8/Docker support.
- Added non-interactive scripts, removed configurable IP and Port input commands.
- Deleted strimzi-destroy.sh.
- Updated microservice-parent-core artifact from microservice-parent.
- Updated AWS region in scripts from hard-coded value.
- Memory limit changes for K8.
- Added subscription to Azure scripts.
- Updated Kafka version.
- Updated Cucumber test scripts in Azure with timeout.

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

Consent Management

The Consent Management microservice stores the consents received from the Third-party provider (TPP).

- Updated AWS script.

- Dynamically finding AWS and Azure Resource Jar.

- NodePort Changes - Consent, Dummy commit to trigger UTP run, NodePort Changes, and Dummy Commit for triggering build.

- Updated Kafka version.

- Dummy commit for job trigger, OFAC T and C change for Origination, and Consent tag changes.

- Dummy commit to trigger Jenkins job and updated tag to 202110.0.0.

- Tomcat changes in core and all stacks.

- Edited pom.xml online with Bitbucket.

- Updated consent-api-configmap.yaml.

- Added JWT_TOKEN_PUBLIC_KEY and updated ID_TOKEN_SIGNED on Consent-development.

- Added Copyright Headers in ms-consent-core.

- Copyrights headers commenting J2EE Logger property to ERROR Logger Property using TAFJ in K8.

- Metrics Changes in K8 AWS Ping and Lambda Standardization.

- Updated packK8Zip.sh.

- 202201.0.0 tag Changes for CMS - Dev.

- Ingress changes.

- Updated the MSF artifact name to resolve helm packaging issues in Docker for sql-helm-pom.xml file.

- Modified memory limiting changes to 2GB in Docker for ms-consent.yml and k8/on-premise/svc/templates/svc/consent-api.yaml.

- K8 scripts cleanup changes.

- Framework dependencies version updated to 202110.0.1.

- Reverted MSF version changes to DEV.0.0-SNAPSHOT.

- Updated Authorization header value in ms-consent-test.

The topic related to this feature is given below:

Consent Management

Holdings

Holdings is a read-only microservice for providing balances and transactions. It allows the client applications to view account details along with associated transactions. It also provides generic data model to manage account balances and transactions.

- Copyrights and Azure UTP changes, Dummy commit for UTP, and Dummy commit for job triggers in ms-holdings-core.
- AWS Metadata generation changes in ms-holdings-model.
- Sort Key Check in Post and Put APIs fromDate and toDate query.
- Wealth enhancement in ms-holdings-core.
- Updated version for Log4j in ms-holdings-test. CategorisationId description enhancement in ms-holdings-core/src.
- Remove unwanted code in ms-holdings-core forTransactionTypeIngester.java file.
- Tag changes for 202201 in Docker.
- Modified E2E scripts, Copyrights and Azure UTP changes, AWS Metadata generation changes. NodePort changes - HMS, Dummy commit to trigger UTP run, Updated holdings-api-nodeport.yaml, Updated holdings-api.yaml, odePort changes, Kafka version changes, Reverting the F_DATA_EVENTS change in ms-holdings-core.
- Copyrights headers commenting J2EE Logger property to ERROR Logger Property using TAFJ in K8. Metrics changes in K8 AWS Ping and Lambda Standardization. Commenting J2EE in all stacks.
- Ingress and NodePort changes in Docker.
- Tag Changes and Logger Level HMS in Docker.
- Addressing samples duplicating issue in Docker.
- Removed EXECUTION_ENVIRONMENT in Docker for holdings-api-configmap.yaml file.
- Modified memory limiting changes to 1GB in Docker.
- Updated tag version to 202201.0.0 Added logger changes in Docker.
- Updated microservice-parent-core artifact in Docker for mongo-helm-pom.xml.

- Updated the script to assert ID in Create and Update Balance API in ms-holdings-test.
- Updated CreatePortfolioValuesV3Test.java, Memory limit changes for K8 - HMS, Dummy Commit - HMS in core and Docker.
- Modified the script according to ID change in API in ms-holdings-test.
- DB Connectivity updated in HMS PostgreSQL DB in core.
- Commenting unrealisedPL and unrealisedPLPercentage in getPortfolioValuesV3 in core for PortfolioValuesTransformer.java file.
- Modified pool size to 5 in docker for values.yaml file.
- Wealth changes for HMS.

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

Savings Pot

Savings Pot microservice lets you to create, fetch, and update the savings pot details required for both front office and back office.

- Added PostgreSQL Azure pom file.
- Commented out J2EE property in pom.xml.
- Modified the script to make Flexible server changes in the Azure.
- Modified "–" to "_" to work in Docker.
- Updated the support for Ingress and NodePort changes.
- Addressed samples duplicating issues by removing it in build files.
- Added copyright headers.
- Added Ping implementation to resolve cold start issues in AWS and updated AWS scripts with Lambda standardization.
- Changed logger_root_level as ERROR in Docker, K8, Azure, and AWS.
- Fixed DB deletion issue in destroy-aws-mongo file by modifying Mongo DB name.
- Added logger property changes.

- Memory limit changes for K8.

- Updated DB connectivity in PostgreSQL DB.

- Modified PostgreSQL pool size to five.

- Removed Java home in Docker.

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

Campaign

Campaign Microservice enables the branch users of banks to define and store the details of the campaigns created through the front office solution developed for the campaign management, which is called as Real Time Engagement (RTE).

- Addressed log4j vulnerability fix, used log4j version 2.17.0.

- Enabled Tag automation for version updates.

- Added NodePort and Ingress support.

- Updated Data source to HikariCp.

- Added Logger and Metrics Support.

- Added ping functionality to resolve cold start issue in AWS.

- CommentedJ2EE pack build.

- Enabled Health Check API across the stacks (Docker, K8, Helm, Azure).

- Limited the memory consumptions for K8 pods.

- Replica set uniqueness is taken care in Kubernetes.

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