

Modernize and innovate with Infinity Extensibility and Upgrade



Stay current on new features and technologies and keep agility and innovation in motion

A culture of continuous improvements and innovation is integrated within the TCF infinity, enabled by consistent evaluation of new needs to remain agile and drive efficiencies. The system is designed to trigger upgrades to keep up with the accelerating pace of technology innovation and new business needs.

Trigger for Upgrades



Quantum

Evaluate the need for the upgrade

Fabric and Visualizer are the key building blocks for any Infinity release. Both Fabric and Visualizer are part of the upgrade process.



Fabric Apps, Microservices

Backend Upgrade/ Merge activity

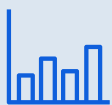
Infinity Micro apps/ Fabric Apps/ Microservices must be upgraded/ merged to accommodate new changes to experience APIs and integrations.



Deployment

Deploy the upgraded components for testing

Quantum Evaluate the need for the upgrade.



Database

Upgrade the database and perform data migration

The key component of the upgrade is the Database layer where the database must be upgraded depending on the requirement. The database in Infinity Layer and Microservices components needs to be reviewed.



Front End Apps

Code merge/ Upgrade activity for frontend apps

The frontend apps consist of the Desktop web, Mobile (iOS and Android), Spotlight must be upgraded/ merged to accommodate new changes.

Upgrade to Microapp architecture

Micro Apps are applications with specific functionality which are fast and more efficient than monolithic applications. While traditional monolithic apps contain a complex suite of functionality, including front-end and back-end operations leading to loading or build-time issues, Micro Apps are smaller and easily manageable resulting in enhanced loading and build times with targeted functionality.

Key Benefits of upgrading the app to Microapps Architecture



Productivity

A separate code base that can be developed, tested, and deployed independently



Release

Only Micro Apps with changes can be released



Modularization

Functionality is modularized to fulfill specific business goals independently



Composite Structure




This will give full experience to the end-user



Extensibility Framework





Extension of capabilities as new needs arise is ensured with maximum modification and inclusion of new functionality with minimum effort.

Building Blocks of Extensibility Framework – Infinity

 Extension points at every layer	Presentation Controller, Business Controller, Object Services, Integration Services, Data Mappings, Pre and Post Processors. This is available in both Monolith and Microapp architecture
 Locked Fabric apps	Protect codebase with Locked Fabric apps to differentiate base functionality from customizations. Extensions to object and integration services protected during upgrades
 Mapping sets	Single codebase for multiple backend integrations with extension capability available for every mapping set

Extensibility frameworks for Infinity and Transact enable the extension of functionality beyond the feature while ensuring ease of upgrades. The framework set the structure for extensibility, which reduces the significant rework during the upgrades, thus saving on time and cost.

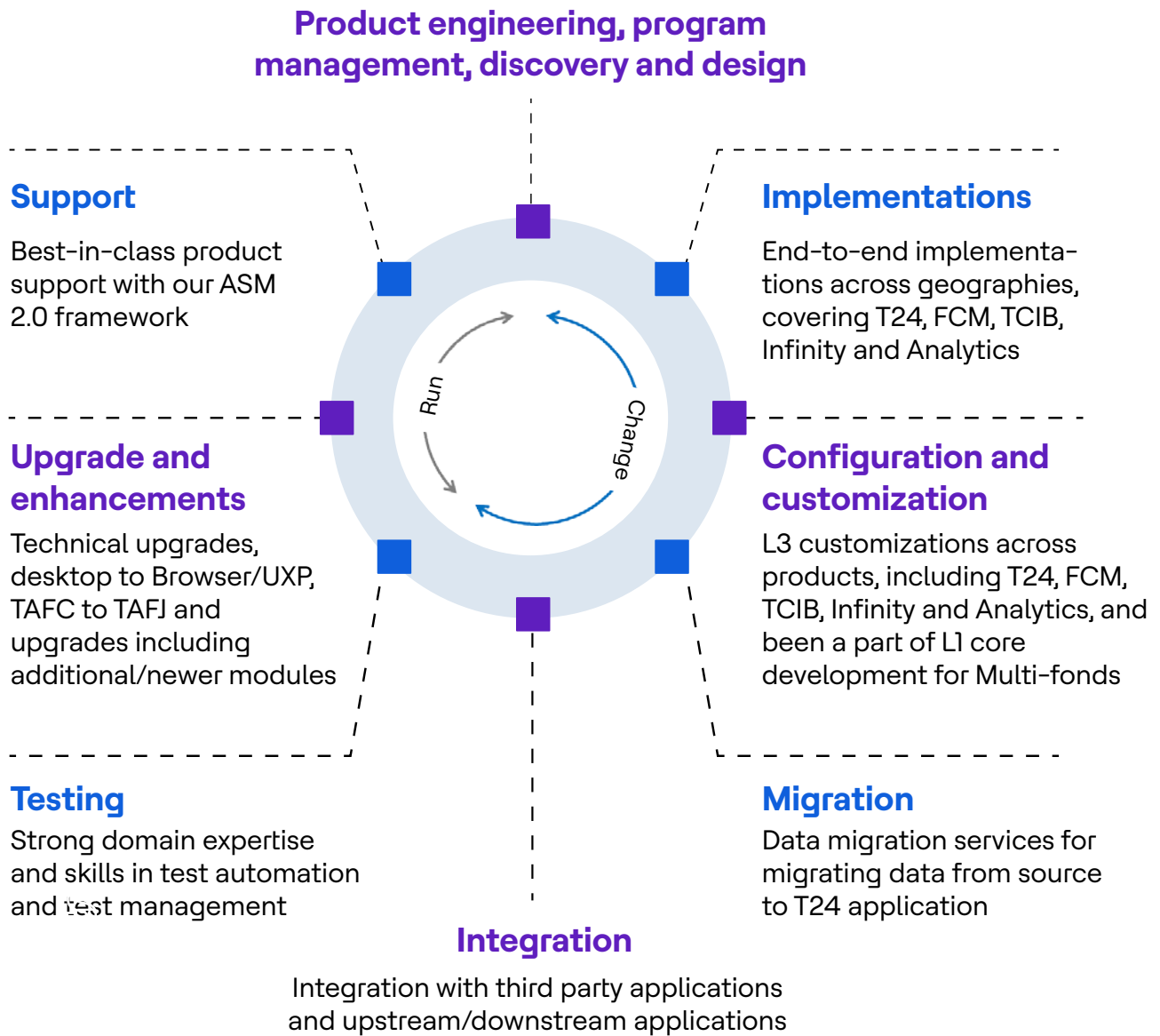
Building blocks of Extensibility Framework – Transact

 Data Extension	Inclusion of additional data fields in Transact with the capability to propagate it to the existing APIs.
 Data Addition	Virtual Table MS allows the addition of new tables to implement business functionality with built-in REST API interfaces
 Validation	Custom validation through reg-ex, Python scripting and invocation of the rules engine
 Interfaces	Adapter Framework MS that interfaces Transact with external systems through the processing of events and API calls









Transact is highly configurable across multiple modules through Version, Enquiry, Menu, Business Rules etc.

HCLTech Temenos capability overview

Temenos service catalogue



Expertise coverage across products

 Infinity	 Transact	 Payments	 Fund Administration
 Financial Crime Migration	 Analytics	 Wealth	 Regulation & Compliance

Proven Temenos

- Upgrade skills
- Development expertise

Infinity capability overview



The largest Infinity partner with skills in end-to-end implementation, covering retail banking, business banking, onboarding, etc.

Application development



Many active **digital transformation projects globally:** across Europe, North America, APAC and MEA

Agile delivery methodology



Expert team, which took **20** banking projects live in last three years across geographies

Product and OS upgrades



Holistic team with project managers, solution architects, business analysts, UI/UX designers, technical leads, developers and testers

Digital app factory



Experience in integrating Infinity with multitude core banking systems and third party systems

Experience in integrating with third party systems



Testing expertise in strategy and omni-channel testing, covering mobile, tablets and web

Best-in-class quality



Transact capability overview



Expert team, with a legacy of nearly two decades with Transact; possesses skills across Transact, TPH/Temenos Payment Hub and Multi-fonds; experience with multiple e2e programs, including implementations, upgrades, customizations, etc.

Experience regions

- Direct T24 implementations and upgrades with marquee names across Europe and Middle East

Expert team of consultants with several years of global experience in banking and tech and several certifications on Temenos's latest release and products.

Holistic team that has been recognized as Services Partner since 2015 and is one of the 8 Transact upgrade partners with certification in progress to extend partnership to development and migration.

Broad skills

- Programs, clients and engagement models across a variety of scale and complexity
- Core transformation exposure across sub-verticals

Methodology/Training

- Proven training and development programs to onboard new joiners fast
- Methodologies that deliver efficient repeatable outcomes

Appendix

Infinity Extensibility

https://docs.temenos.com/docs/Solutions/Infinity/Digital_Banking_Framework/Extending_Infinity/Extending_Infinity/Misc/How%20to%20Extend%20the%20Existing%20Features.html

Extending Locked Apps

https://docs.temenos-cloud.com/konylibrary/konyfabric/kony_fabric_user_guide/Content/LockApp.htm?Highlight=extensions#Extending

Mapping Sets

https://docs.kony.com/konylibrary/konyfabric/kony_fabric_user_guide/Content/MappingSets_ObjectServices.html

Transact Extensibility

https://docs.temenos.com/docs/Solutions/Technology/Extensibility_Framework/content/Extensibility_Framework.html



HCLTech | Supercharging Progress™

HCLTech is a global technology company, home to 222,000+ people across 60 countries, delivering industry-leading capabilities centered around digital, engineering and cloud, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG, and Public Services. Consolidated revenues as of 12 months ending December 2022 totaled \$12.3 billion. To learn how we can supercharge progress for you, visit hcltech.com.

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