tcs BαNCS™
Payments

TCS BaNCS Cloud for Payments

TCS BaNCS Payments provides an integrated payments solution with end-to-end capabilities ranging from acquisition of payments to their clearing and settlement. It is an STP-oriented, multi-entity, multi-currency solution for processing of payments, with high degree of integration capabilities. It enables processing of Low Value / High Value payments, Domestic / Cross Border / International payments, Single/Bulk payments and regional products like SEPA payments. TCS BaNCS Payments product is built on modern technical architecture (J2EE) based on principles like componentization, SOA and Industry Standards (ISO20022) to provide state of the art financial services platforms.

TCS BaNCS Payments provides capabilities for processing payables and receivables clearing for multiple markets, regions and countries

- **Manages Payables -** Credit Transfers for payables to Vendor / Suppliers/Merchants , Refunds to members / customers

- **Manages Receivables –** Collections (Direct Debits) , Inbound remittances (Cheques/Bills)

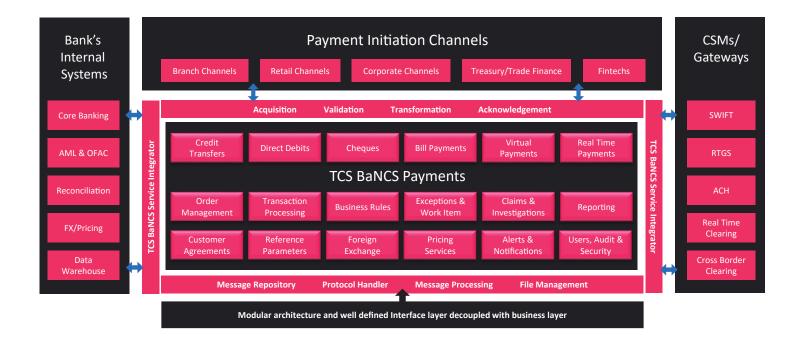For the purpose of payments processing, TCS BaNCS interfaces with the following:

- **Acquisition Channels –** Channels for interaction with Corporate, Bank and Retail customers, for example, internet, mobile, branch etc.

- **Core Banking Application –** TCS BaNCS Core Banking or any other core banking system where customer and account data is maintained.

- **Clearing Channels –** Clearing House, Interbank Clearing systems, SWIFT, DLT or community clearing networks.

TCS BaNCS Payments standard set of services are provided for external systems and Channels to carry out different payments related operations like Payments Initiation, modification, cancellation, enquiry.

Payments HUB also comes with centralized repository management for different payments information like Beneficiary Master, Mandates, Swift and Local clearing directories, Standing Orders etc. Standard set of services are provided to enable Bank to provide uniform customer experience across channels.

TCS BaNCS Payments on Microsoft Azure:

TCS BaNCS Payments leverages Azure infrastructure as a service (IaaS) for a reliable foundation and platform-as-a-service (PaaS) components to offer resilient and fault-tolerant application experiences. Azure cloud is made secure via Network Security Groups (NSG), Azure Firewall, Azure Security Center, Azure distributed-denial-of-service (DDoS) protection, and Azure Defender. Azure Sentinel is employed for security information and event management (SIEM), while Azure Monitor is leveraged for logs, analytics and metric purposes. Azure Traffic Manager is used to switch the traffic between primary and disaster recovery (DR) sites. This showcases TCS BaNCS Payments native capabilities in the Azure cloud.

Payment Initiation Channels

Bank's Internal Systems

- Core Banking
- AML & OFAC
- Reconciliation
- FX/Pricing
- Data Warehouse

Payment Initiation Channels

- Branch Channels
- Retail Channels
- Corporate Channels
- Treasury/Trade Finance
- Fintechs

CSMs/ Gateways

- SWIFT
- RTGS
- ACH
- Real Time Clearing
- Cross Border Clearing

TCS BaNCS Service Integrator

Acquisition   Validation   Transformation   Acknowledgement

TCS BaNCS Payments

- Credit Transfers
- Direct Debits
- Cheques
- Bill Payments
- Virtual Payments
- Real Time Payments
- Order Management
- Transaction Processing
- Business Rules
- Exceptions & Work Item
- Claims & Investigations
- Reporting
- Customer Agreements
- Reference Parameters
- Foreign Exchange
- Pricing Services
- Alerts & Notifications
- Users, Audit & Security

TCS BaNCS Service Integrator

Message Repository   Protocol Handler   Message Processing   File Management

Modular architecture and well defined Interface layer decoupled with business layer

Reliable and Automated: TCS BaNCS Payments

- TCS BaNCS Payments is fully ISO20022 compliant to provide state of the art financial services platforms
- The solution provides rules-based workflow with extensive configuration capabilities along with Real Time Payment processing supporting Multi-Currency, Multi-Entity for payment processing
- Through continuous investment in the product roadmap, the solution caters to future-ready technology and business needs such as blockchain, cloud, digital, and analytics.
- A comprehensive operations dashboard presents metrics and alerts for critical payments and work items based on status and events. This ensures that users act only when needed and are taken to the right place to complete the right task and correct the problem or issue.
- The solution easily integrates with other in-house, third-party systems by using service integrators and APIs.
- Cost reductions and improved operational efficiencies keep processing costs to a minimum. Regulatory compliance and risk management for processing and reporting are also flexible to adjust to market changes.
- Artificial intelligence improves operations by automatically reading received Inward Payments.
- Machine learning improves error-processing and repair.
- Analytics capabilities help predict future processing trends.
- Client services can be powered via chatbots.

Summary: TCS BaNCS Payments

TCS BaNCS Payments is continually evolving as clients proactively contribute to the development of its roadmap, making it a solution designed by and for users. In addition, Tata Consultancy Services (TCS) brings its vast technology experience and knowledge to Payments area to ensure that development is aligned with market trends and that the solution is future-proof.

TCS BaNCS Payments is the right solution for your institution, whether you are a Corporate , Financial Institution or Clearing Systems. The solution is already leveraged by leading names in banking and financial Institutions. TCS BaNCS Payments deploys the latest technology to improve and enhance processing, clearing and settlement , including AI, analytics, machine reading and learning, chatbots, robotic process automation (RPA), and digital apps.

Awards & Recognition

TCS BaNCS is a globally recognized industry leader, with its solutions consistently recognized in top positions by industry experts.

Huaxia Bank and TCS BaNCS awarded the Best Bank Infrastructure Technology (Core Banking System) at The Asian Banker China Country Awards	MTB Wins The Asian Banking & Finance Retail Banking Awards 2021	TCS BaNCS is accredited with SWIFTReady 2021 Certification for Corporate Actions, Payments and Securities Settlement

About TCS Financial Solutions

TCS Financial Solutions is a strategic business unit of Tata Consultancy Services. Dedicated to providing business solutions to financial institutions globally, TCS Financial Solutions has compiled a comprehensive product portfolio under the brand name of TCS BaNCS. The TCS BaNCS solution suite is designed to help financial services institutions enhance end customer experience, enabling them to embrace open and innovative technologies that embody true digital customer engagement. Deployed at more than 450 installations worldwide, it is the largest collection of components, enterprise and consumer apps for the financial industry made available through the cloud, helping firms become more agile and intelligent by leveraging the power of new and extended ecosystems.

To know more about TCS BaNCS, please visit: **https://www.tcs.com/bancs** or write to us at **tcs.bancs@tcs.com**

About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services is a purpose-led transformation partner to many of the world's largest businesses. For more than 50 years, it has been collaborating with clients and communities to build a greater future through innovation and collective knowledge. TCS offers an integrated portfolio of cognitive powered business, technology, and engineering services and solutions. The company's 469,000 consultants in 46 countries help empower individuals, enterprises, and societies to build on belief.

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