### About the Client

A global leader in payment processing and financial services, the client specializes in delivering secure, seamless payment experiences across industries and geographies

Offers support to merchants, acquirers, and financial institutions through a range of payment technology solutions

Assists clients in boosting their payment efficiency, security, and compliance by creating innovative solutions powered by advanced technologies

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Adopts a customer-first approach by accurately understanding customer needs and delivering customized solutions tailored to their regional business requirements

#### **Business Needs**

Enhance the semi-automated legacy reconciliation system for Latin American markets with features including:

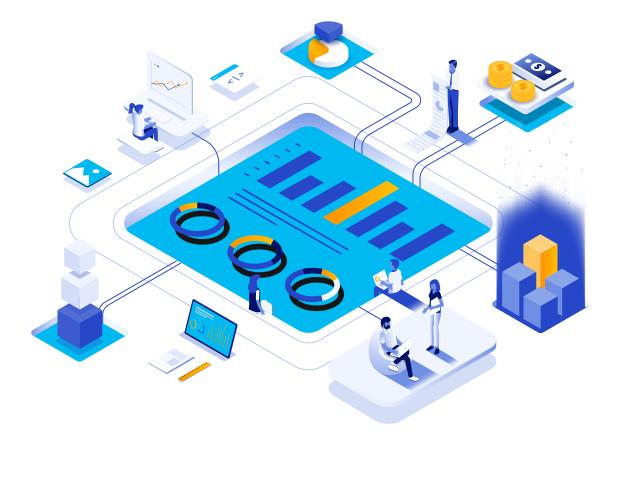
- Integration with regional acquirers such as Redecard, VisaNet, and Bancomer
- Capability to process high transaction volumes
- Scalability and automation to boost the efficiency of the accounting team

Design and deploy a robust, fully automated reconciliation system with:

- High availability, precision, and compatibility with various acquirer requirements
- Advanced tools to efficiently track, validate, and resolve reconciliation discrepancies

### Solutions

- Developed and deployed a fully automated reconciliation and settlement service system
- Facilitated successful migration from RDBMS to a Cassandra-based NoSQL database, ensuring multi-instance support and high availability



- Replaced Open MQ with Rest APIs for generalized reconciliation across acquirers and promoted scalability
- Implemented asynchronous batch processing to manage high transaction volumes and increase efficiency seamlessly
- Integrated unique identifiers (UUIDs) to achieve precise validation at the source level
  - Facilitated advanced monitoring and KPI management with tools like Prometheus and

Grafana for real-time operational insights

- Designed workflows to track transactions, and capture comprehensive statuses and reconciliation results
- Created an intuitive admin portal that allows users to efficiently manage and resolve discrepancies in bulk, simplifying operations with a user-friendly interface

### Technology Stack

Micro services architecture



















## **Business Impact**

Facilitated seamless entry and operations in the LATAM region while ensuring compliance and reliability

scalability and enabled seamless handling of LATAM market requirements, supporting diverse acquirers and high transaction volumes

**Boosted operational** 

automated reconciliation processes and significantly reduced errors and discrepancies

Enhanced accuracy with

efficiency by 30%

**Increased operational** 

approval processes and lifecycle tracking, cutting down on manual work

**efficiency** by automating

Improved workflow

empowering the accounting team with real-time and actionable data insights

**Enabled better** 

decision-making by

# Cybage FinTech Services











FinTech Solutions

Enterprise

Revolutionizing payments through cutting-edge automated solutions



