# CORFU2: Core Banking Cloud Solutions for Global Financial Institutions

Implement CORFU2 Microservices in your bank portal and rapidly realize your strategic vision of improving driving core revenue growth and improving the client experience

Multi-Currency Accounts

Liquidity Management

COMPLIANCE | ROI | CLOUD NATIVE | SPEED TO MARKET

## Introduction

As a bank your corporate and business banking clients are increasingly looking to you to support their internationally structured business and treasury management workflows. In turn, you are looking to enhance your systems to deliver Term/Time deposits and Call & Notice deposits to increase revenues and out compete the competition. A cloud native microservices architecture from $FO_2$ allows you to circumvent the limitations of legacy systems and improve time to market. Our Term Deposits technology provides a cloud native service customized to your User Interface, single sign-on and workflows. It allows you to solve the growing challenge of managing a large number of account types, account formats and entity hierarchies, as well as pricing structures. In addition to significant improvements in internal operating efficiencies, a key external impact is proven growth in customer satisfaction, loyalty and trade flow.

$FO_2$ has a two-decade track record of successfully deploying our technology in the global financial eco-system. During that time an analysis of the average impact we have had on the business performance of our customers, post deployment, is compelling:

| | | |
|---|---|---|
| **See** | Structures and Cash Balances | =>↑ 5% increase in Clients |
| **Think** | Decisioning and Forecasting | =>↑ 9% increase in Balances |
| **Do** | Increase Deposits and investments | =>↑ $6m gain in Revenues |
| **Care** | Self-service, Policy, Workflows | =>↓ 35% reduction in Operating Costs |

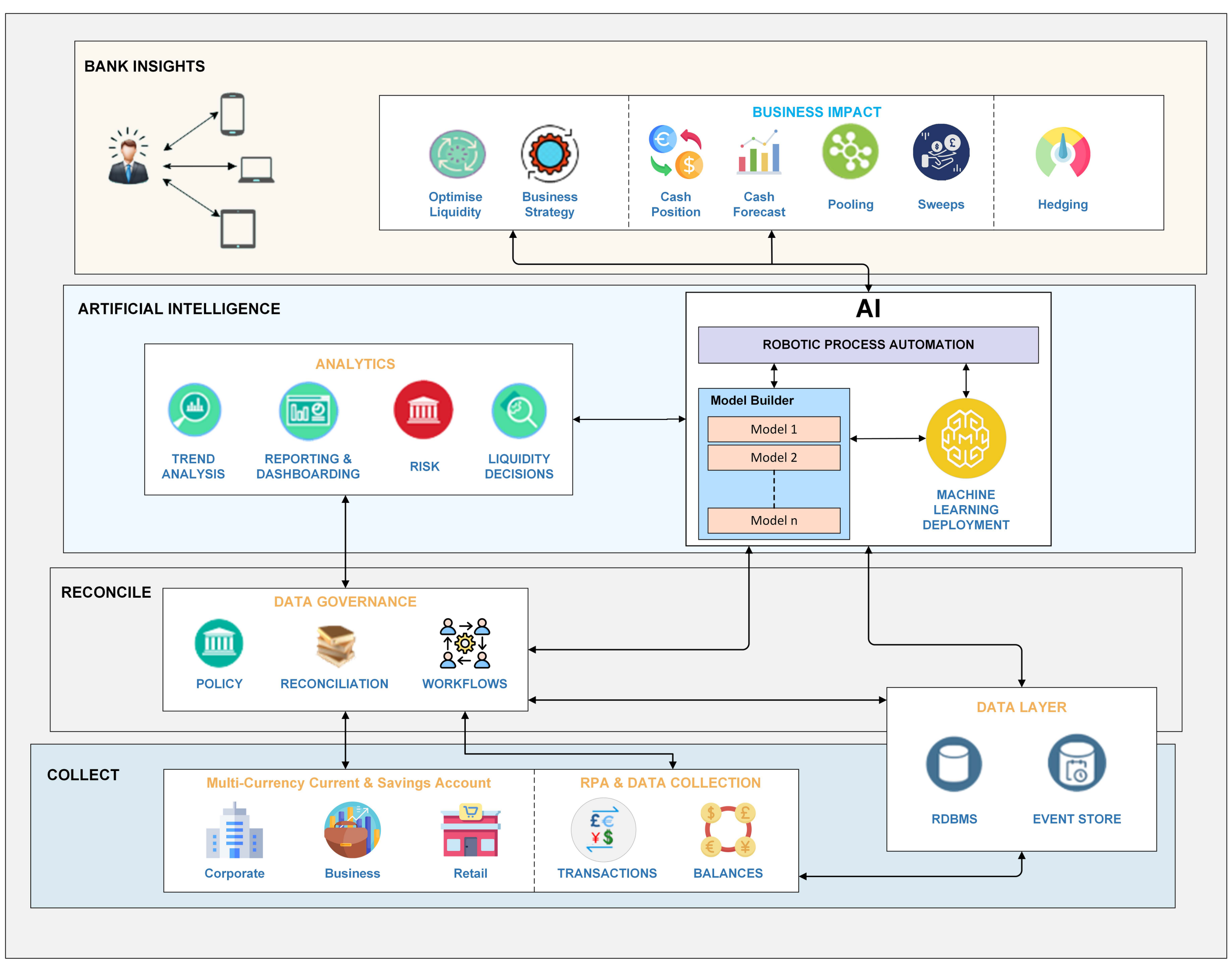
**The challenges of Standing up Liquidity Management and multi-currency accounts**

- Optimizing the breadth of accounts and liquidity management functions to drive insights
- Publishing into bank portal and messaging to TMS
- Building an architecture that minimizes dependency on legacy platforms
- Navigating internal integrations and avoiding decision traps that lead to short-term gain at long-term costs

## CORFU2-Key Functionality

CORFU2 can support accounts held at various entities in the bank including small business, corporate, retail, private client and wealth management. The entity structure of the bank can be replicated in the system and, under each entity, account types can be created. These accounts can be specific to products such as InternalAccounts, DDAs, Settlement Accounts, MMDA/ Call and Notice, TermDeposits (Fixed Deposit), FX, Money Market investments, Loans and Profit/Loss. Service tiers and margins can also be assigned to the client or account.

## Architecture




**CORFU2 supports Nostro account reconciliation of statements from correspondent banks. It also allows the management of multiple products and sub-products by currency and bank desk. Concretely the system provides the following operational functionality:**

- Create
- Pending
- Hold
- Delete
- Cancel
- Back value
- Add
- Memo
- Amend
- Suspend
- Mature
- Future Dated

The system supports messaging to printers and other internal systems. Messaging to external systems can be via MT 940/950, XML, Restful APIs or flat file. We can also interface with centralized repositories, data lakes and CRMs to eliminate duplication and improve workflow.

**$FO_2$ system supports a range of products including:**

- Deposits
- FX
- Term/Fixed deposits by currency
- Treasury Loans
- Purchase/Sale
- Money Market

**CORFU2 publishes service APIs for:**

- Principal increase
- Principal decrease
- Interest
- Accruals
- Drawdown
- Repayment
- Breakage
- Add Termination
- Redemption
- Penalties
- Posting End-of-Day
- Begin-of-Day reconciliation
- End-of-Day reconciliation

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**CORFU2 integrates with your payment engine:**

- ISO20022 compliance
- SWIFT gateway
- Fedwire
- ACH
- CHAPS
- RTGS
- National Networks

**CORFU2 supports account creation or consumption from a centralized repository with lengths:**

- IBAN with 34 Alphanumeric
- Reference ID with 52 Alphanumeric
- Clearing House
- Country Specific
- Support account names in 74 Alphanumeric

**CORFU2 supports:**

- Response in real-time to Balance Check queries
- Ring fence funds for future payments
- System Maintains
- System process calculations based on Negative Rates
- DDA, current account, Deposit account, Fixed Deposit, MMDA, Call and Notice, fund accounts, money market accounts etc.
- Single Currency and Multi-Currency Accounts
- Alerts and messaging are generated by the system and fed to other systems in the bank facilitating a centralized alerting experience for the user
- Messaging with other banks via RESTFUL APIs, SWIFT, Country specific networks
- Virtual Account Creation, Structures, and reporting
- Extensive Pooling capabilities
- In-production Sweeps
- Term Deposits live in 26 countries
- Consumption offixed and floating rates from feed engines. Process them by defined schedules or in real-time based on the product
- Real-time transaction processing with messaging and DR/CR/Memo postings
- Maintain limits, debit positions in structure and header accounts and alerts
- Multiple interest rates and feeds. Allows clients to maintain synthetic rates for their pooling structure and ICL structures.
- Allows accruals by tier specified for the structure/client
- Create approval workflows
- Support interest rate calculations with linear, stepped, weighted average, broken tenor and bank specific formulae by desk and currency
- Back valued transactions including interest recalculation
- Support, store, and calculate interest using multiple reference rates per currency
- Calculate aggregate balances by client/entity/product/account structure/currency
- Maintain comments, documents, additional characteristics inputs and trigger workflows by accounts
- Create products and sub-products by desk, country, region, and currency with admin GUI
- Client sub-accounting for distribution/attribution of interest/yields/gains
- Restrict data access by domicile of use and domicile of account/entity and retain data stores to meet regulatory and GDPR requirements
- Ledger, cleared/available, intraday, projected, 1- day, 2-day balances
- Receive and memo post and DR/CR transactions, reversals in real-time from other systems at the bank
- Account attributes are configurable including type, currency, domicile, tax, internal/external, balance type, allow overdraft, documents, permissions, disclaimers
- Messaging with real-time transaction feeds provide for maintenance of intraday balance
- RPA for categorizing incoming transactions provide for ease of matching and reconciliation

**Features**

- New account types
- Account number and naming conventions
- Configurable account attributes
- Account and entity structures
- Support multiple balances and earmarking
- Multiple pricing and rate feeds
- Create products and sub products
- Client sub accounting
- Meet data privacy and GDPR
- Price by product, currency, desk, and client margins
- ISO 20022 compliant
- Support pooling and account structures
- Support Call & Notice Deposits and Loans
- Term Deposits in multiple currencies
- Off balance sheet investments
- Messaging to other systems
- Alerts

**Key Functionality**

- Deposits
- FX
- Pooling
- Sweeps
- Balances
- Integration to other systems

## Commercial Approach

At FO$_2$, our mission is to treat every relationship as a partnership and to work hand-in-hand with our clients, every step of the way and in every aspect of the project. This is clearly reflected in our flexible commercial approach which, at its core,is based on a licensing model designed to provide the client with the opportunity to grow their business without increasing costs. We are so confident in the growth potential and positive ROI that our projects achieve that, with a few small caveats, we want the client to take full advantage of their up-front investment without future concerns around additional licensing, either for internal or external consumption. We are also 'strategic business partner minded' when it comes to agreeing the cost model for development, professional services and implementation.

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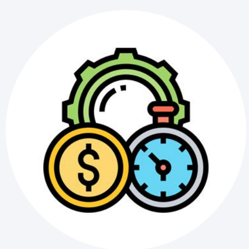
**Partnering with FO$_2$ on your Cash Management Solution provides you with proven and empirical benefits. Talk to us today.**

Strategic Liquidity Management underlined by Operational Efficiency



Optimized Service Delivery and increased Customer Satisfaction

Fee Income from Services

Open API and Cloud Native Deployment

Robotic Process Automation for (RPA) Enhanced ROI

Agile technology enables Partnering across the business to drive revenue

**Where Finance & Technology Converge**