The background of the slide is a light gray color with a complex, abstract architectural wireframe pattern. This pattern consists of numerous thin, light gray lines that intersect to form a series of overlapping, three-dimensional rectangular shapes, creating a sense of depth and structure. The lines are most prominent in the upper right and lower left corners, fading towards the center.

**OW**

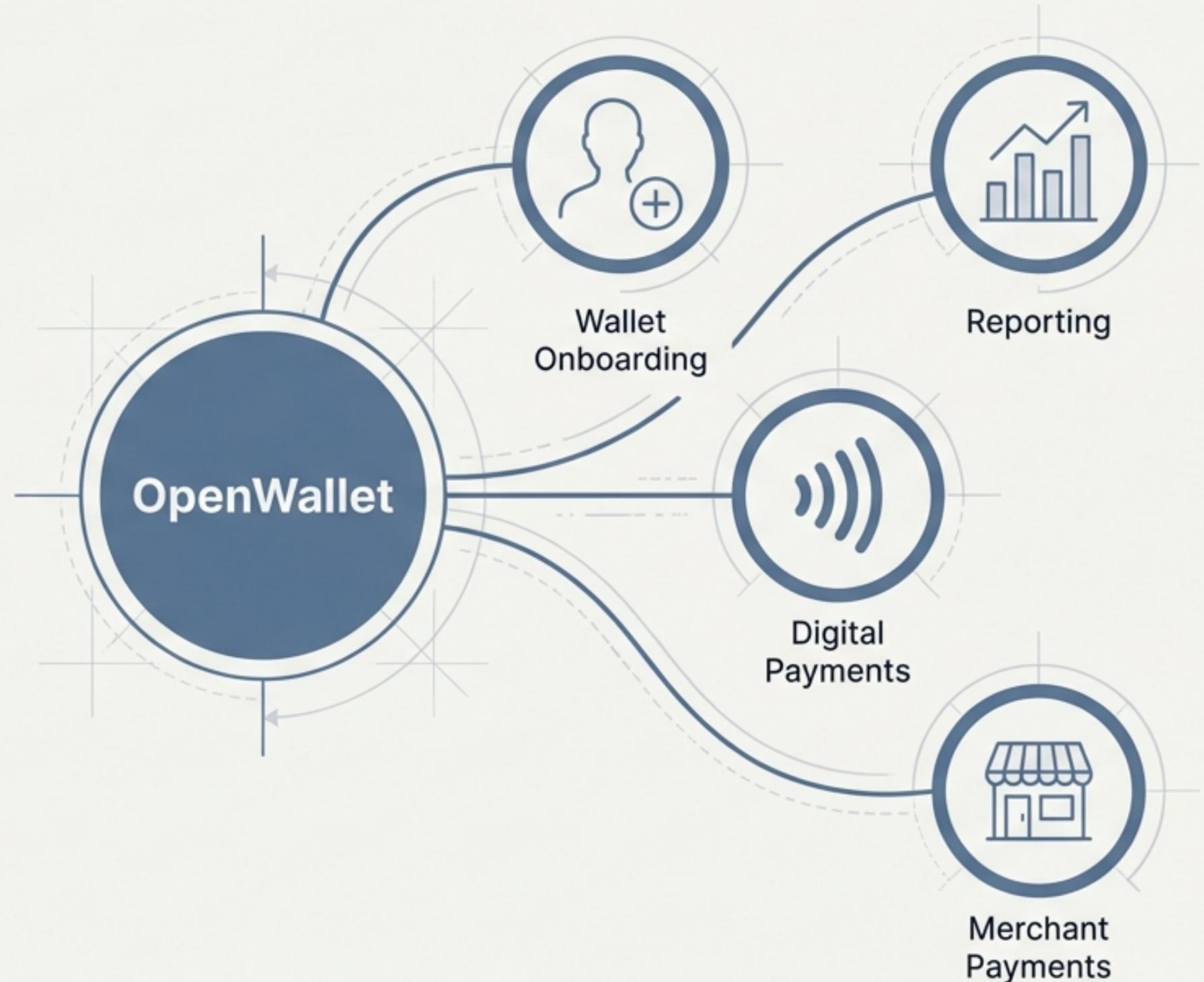
# **OpenWallet: The Architecture of Digital Finance**

A comprehensive overview of the platform, its core modules, and its foundational design.

# A Secure and Scalable Platform for Modern Financial Services

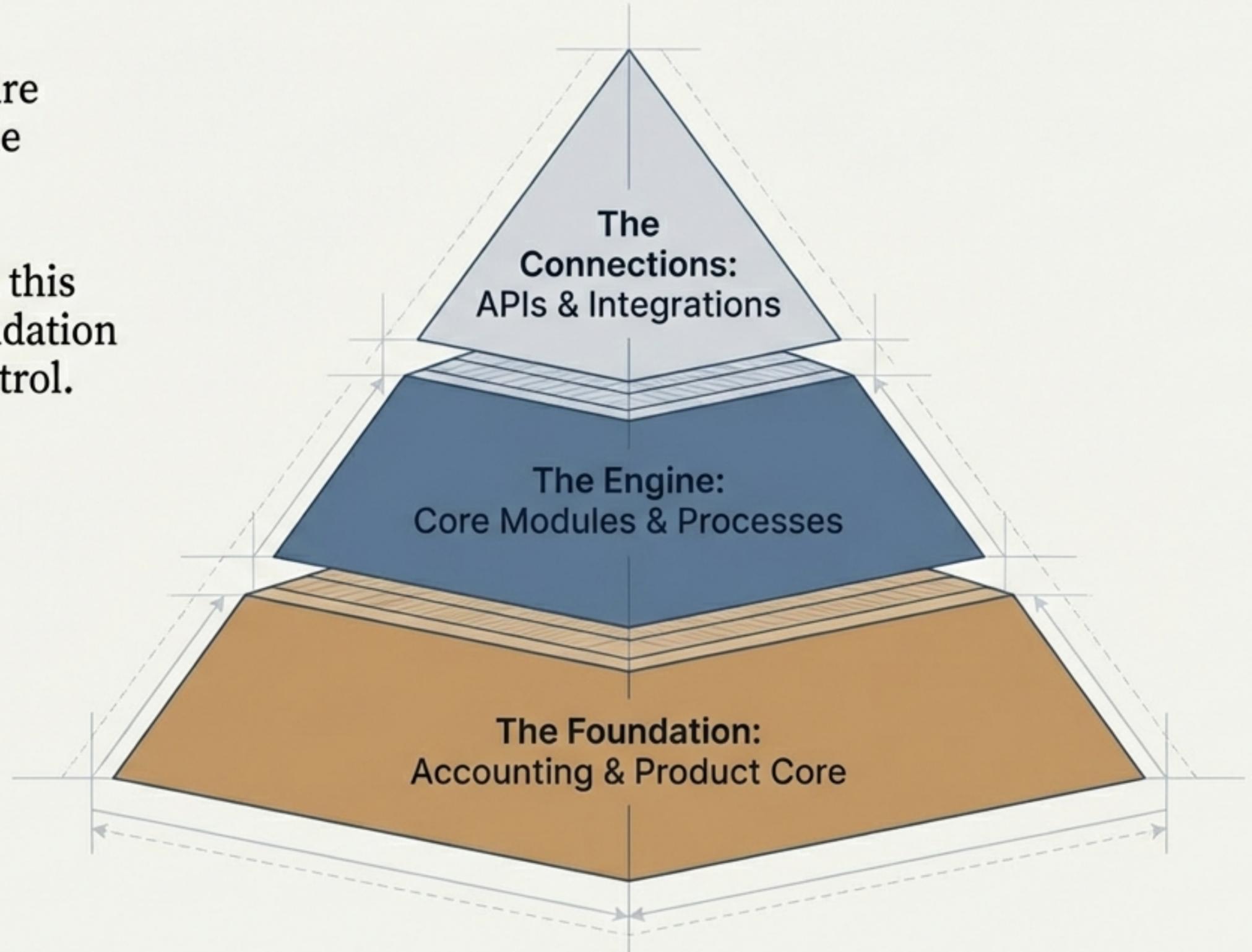
OpenWallet is a digital wallet platform designed for banks, fintechs, and enterprises. It enables institutions to launch and manage wallet services end-to-end — from onboarding and KYC to payments, limits, fees, and reporting. All transactions are tracked in real time and posted to the correct GL accounts, ensuring smooth and compliant digital payment operations.

Our vision is to be the leading provider of innovative and impactful solutions for digital payments and financial services.



# A Platform Built from the Foundation Up

Robust digital financial services are built on two pillars: an impeccable accounting structure and highly flexible product configuration. OpenWallet is architected around this principle. We begin with the foundation to unlock true scalability and control.

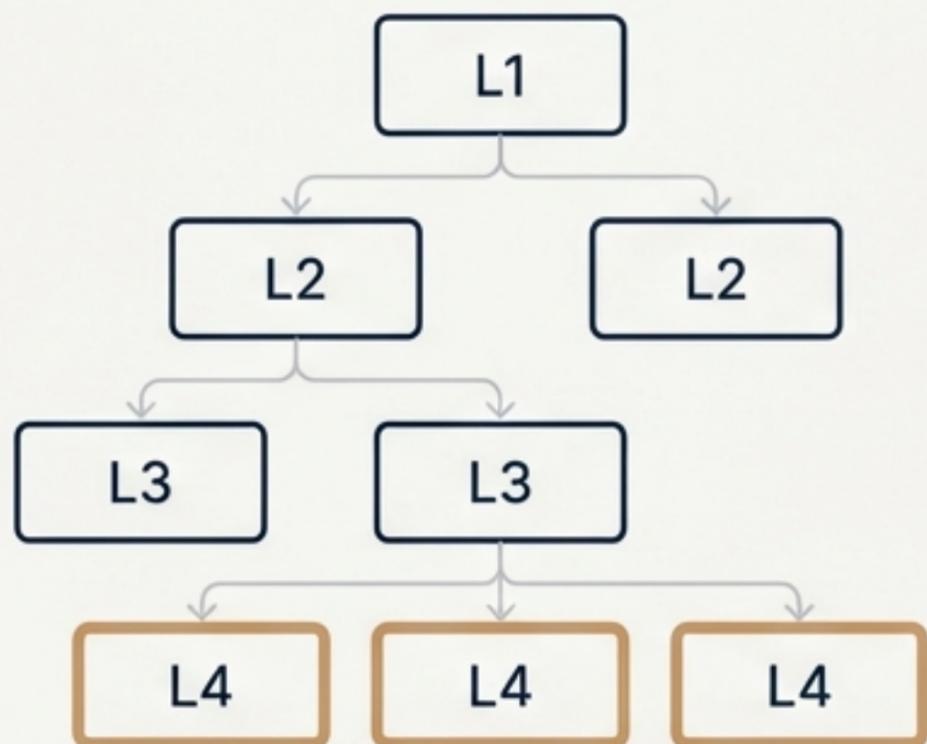


# The Foundation: The Chart of Accounts (COA)

The Chart of Accounts is the **foundation of your accounting system**. Every transaction—deposits, withdrawals, transfers, fees, settlements, taxes—eventually posts into the COA.

## 4-Level Hierarchical Structure

OpenWallet uses a 4-level hierarchical COA, providing both structure and flexibility. Levels 1–3 are used for classification and reporting. All financial postings occur at **Level 4**.



## What You Configure

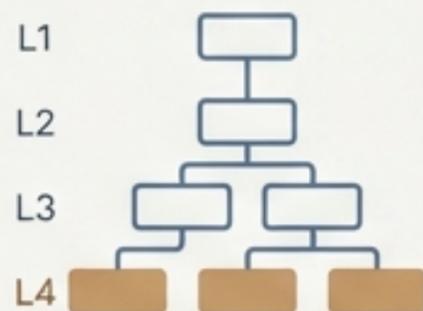
- ✓ Define the complete L1 → L4 hierarchy
- ✓ Assign unique GL codes
- ✓ Configure debit/credit behaviour
- ✓ Map transaction types to GL accounts
- ✓ Link GLs with modules (Wallets, Fees, Settlements, etc.)
- ✓ Define reporting and reconciliation groups

A properly configured COA ensures **accurate accounting**, **smooth settlements**, and **clean reporting** across all modules.

# Building on the Foundation: Product Setup

Once the COA is configured, a *product* defines how a customer account behaves. Every customer-facing account—wallets, savings accounts, merchant accounts—is born from a product configuration.

A product determines **how the system handles customer activity** and how those transactions **post into the GL accounts**.



## Configuration Checklist



Product Group



KYC Group



Product Fee



Product Tax



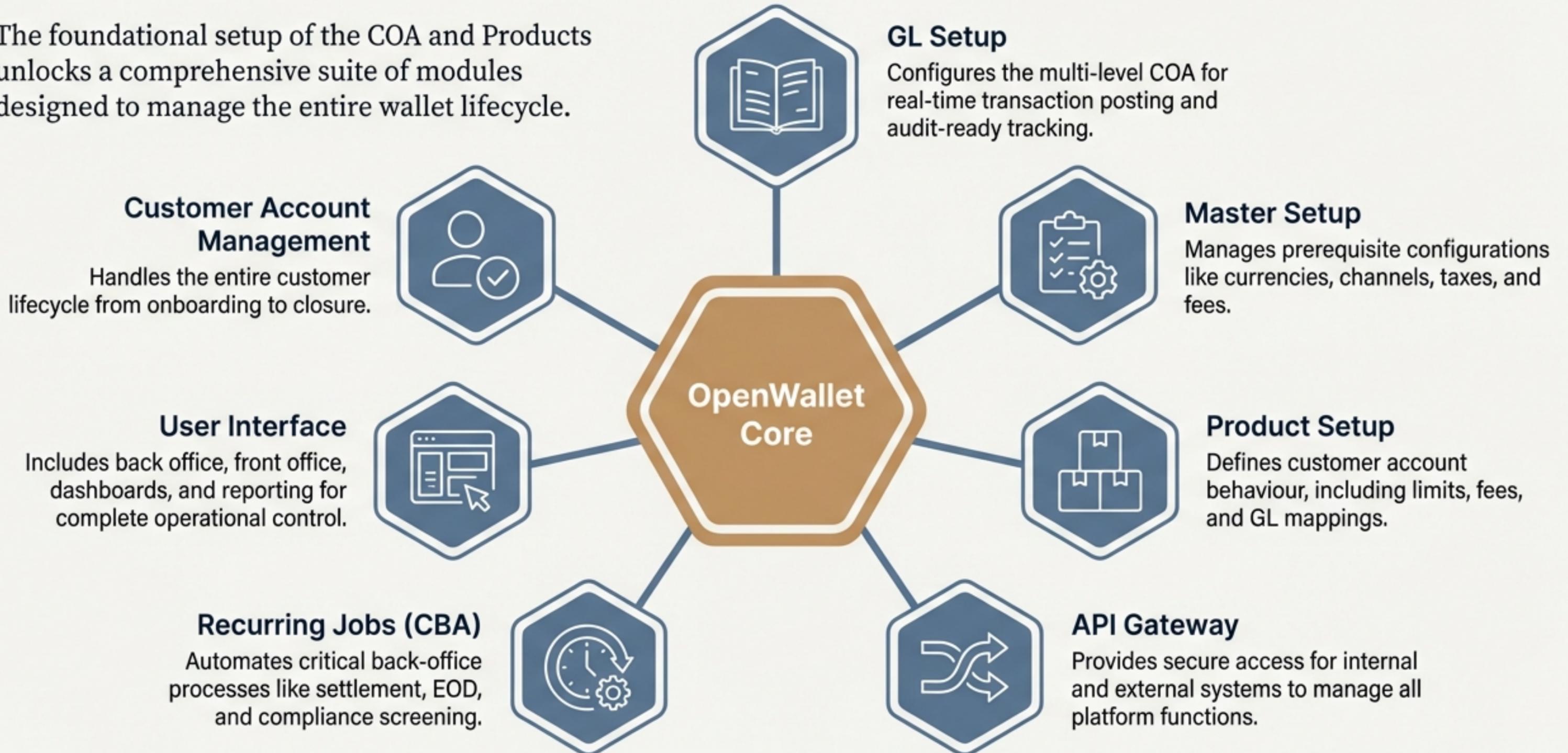
Product Limit



GL Mappings

# The Platform Engine: Core Modules

The foundational setup of the COA and Products unlocks a comprehensive suite of modules designed to manage the entire wallet lifecycle.

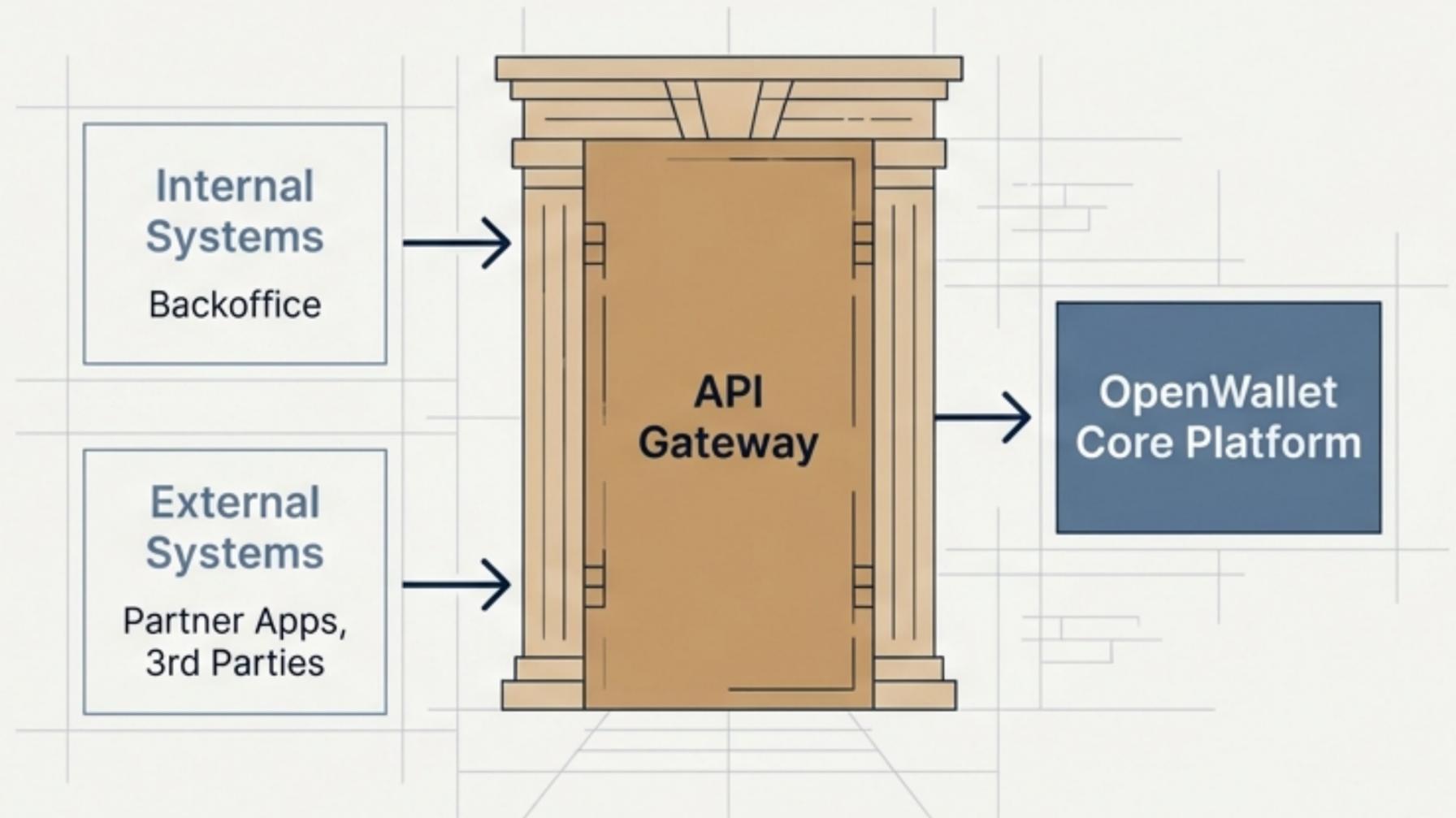


# The Gateway: Secure, Controlled System Interaction

The API Gateway is the central point of interaction for all internal and external systems, supporting secure and scalable financial and non-financial flows.

## Key Functions

- Customer Onboarding & KYC Verification
- Initiation of Financial Transactions (e.g., transfers, payments)
- Execution of Non-Financial Transactions (e.g., account blocking)
- Retrieval of Statements and Transaction History
- Configuration Management

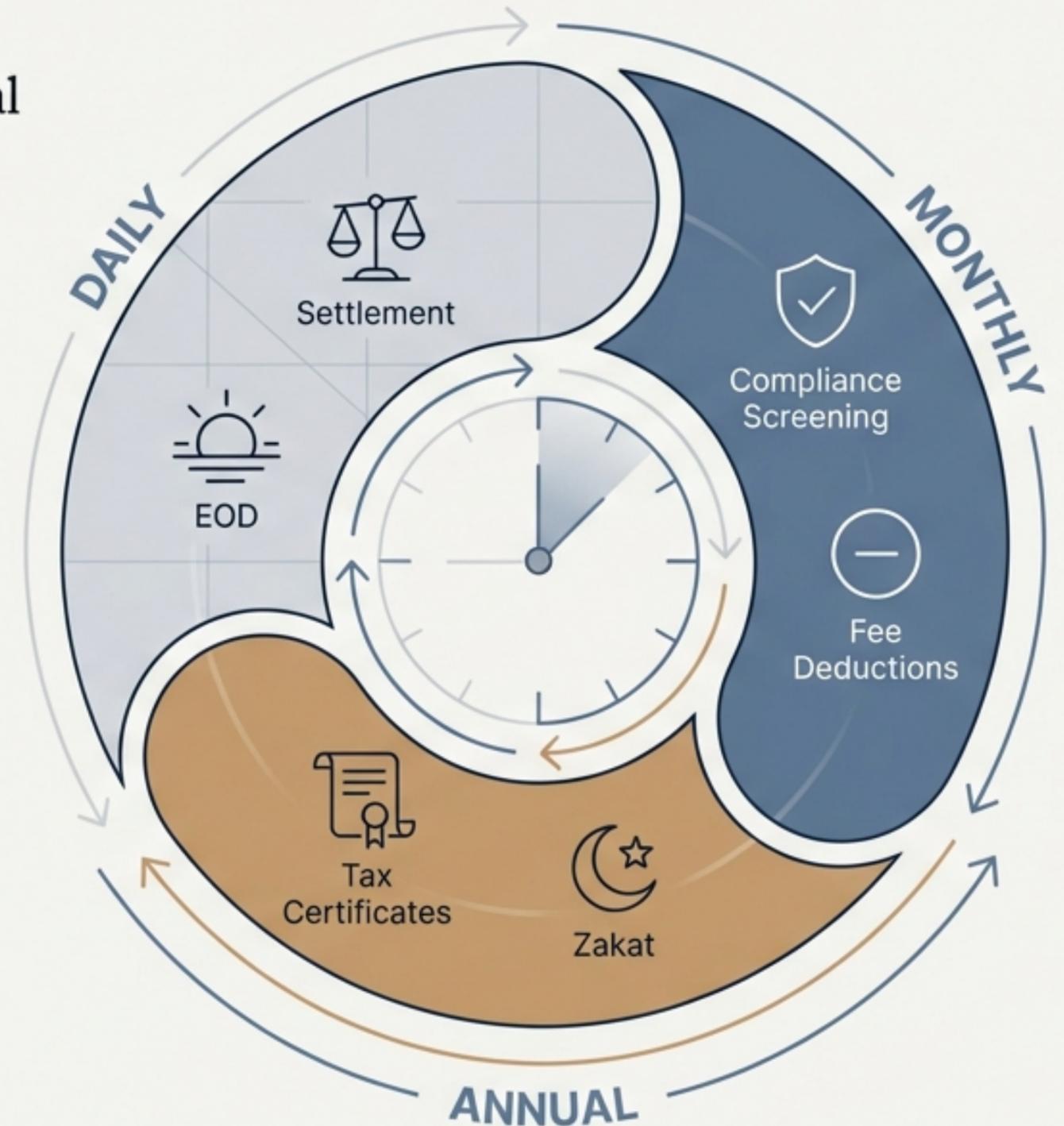


# The Engine Room: Automated Back-Office Operations

OpenWallet includes a robust suite of recurring jobs (CBA) that automate essential daily, monthly, and ad-hoc operational tasks, ensuring compliance and financial integrity.

## Key Automated Processes

- Daily Settlement & Reconciliation
- End-of-Day (EOD) Processing
- Filer/Non-filer Status Updates
- Automated Generation of Tax Certificates
- Periodic Compliance Screening (e.g., AML checks)
- Profit Calculation & Disbursement for Savings Products
- Scheduled Fee Deductions
- Zakat Calculation & Deduction



# Managing the Complete Customer Lifecycle



## Secure and Compliant Onboarding

The platform manages the entire account opening workflow, including handling of discrepancies, multi-level approvals, integrated KYC checks, and compliance screenings.

1



## Controlled and Auditable Offboarding

Supports systematic account closures with clear processes for closures initiated by customer request, deceased status, or specific regulatory requirements requirements.

2

# The Full Spectrum of Functional Capabilities

OpenWallet provides detailed, pre-defined functional flows for all supported operations, ensuring consistency and predictability.



## Transaction-Related Processes

- IBFT (Inter-Bank Funds Transfer)
- RAAST Payments
- Wallet-to-Wallet Transfers
- Bill Payments
- Merchant & QR Payments
- Associated Validations & Controls

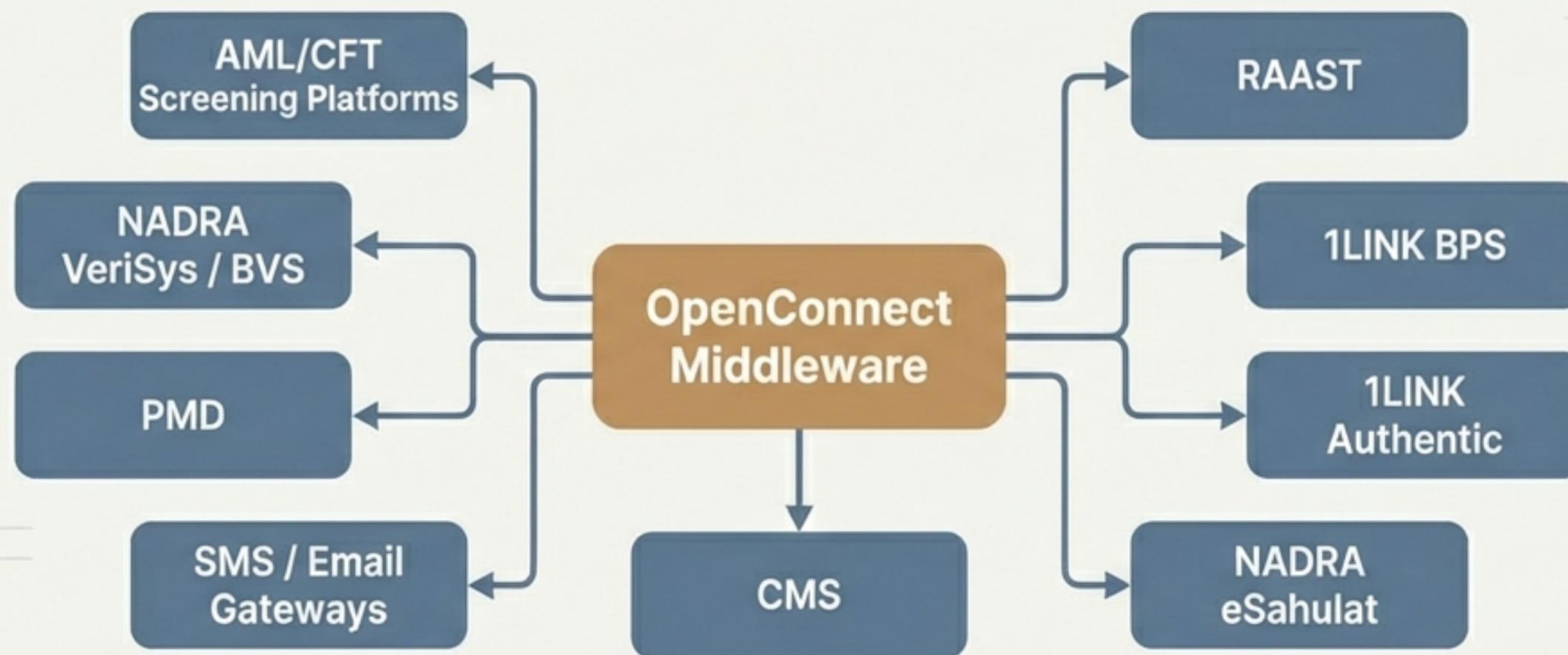


## Non-Transactional Operations

- Customer Blocking / Unblocking
- Maker-Checker Approval Flows
- Account Status Management
- Limit & Profile Updates

# Connecting to the Ecosystem with OpenConnect

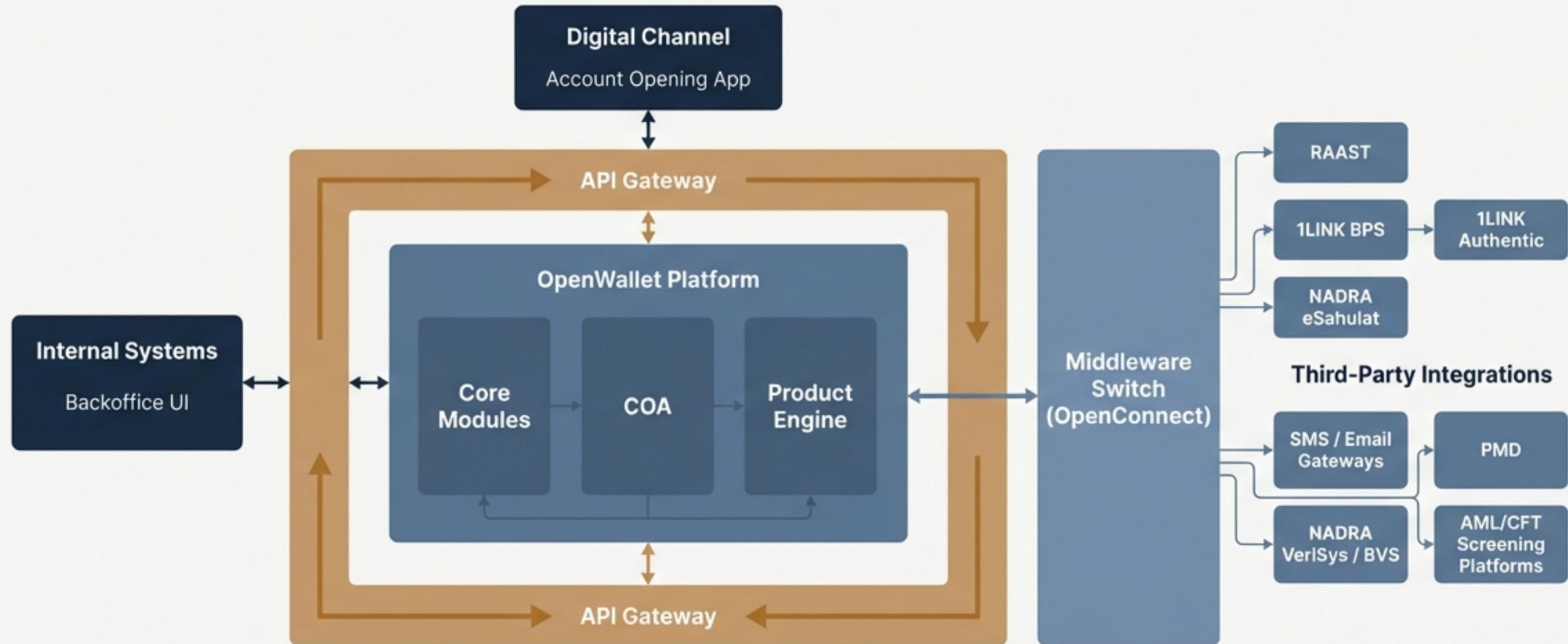
OpenWallet is designed for interoperability. Our integration middleware, OpenConnect, provides seamless connectivity with essential third-party platforms and national payment systems.



## Supported Protocols

Supports REST, SOAP, ISO 8583, and ISO 20022 with a consistent internal protocol for reliability.

# The Complete Solution Architecture



*A comprehensive architecture including a middleware switch for third-party integrations, a digital channel for customer onboarding, and an API gateway for seamless connectivity.*

# The OpenWallet Advantage: Architected for Performance and Trust

# 1

## 1. Architected for Accuracy

Real-time GL posting built on a rigorous, 4-level Chart of Accounts ensures financial integrity from the ground up.

# 2

## 2. Designed for Flexibility

Highly configurable products, fees, limits, and taxes empower you to create and manage any digital financial offering.

# 3

## 3. Built for Integration

A comprehensive API gateway and pre-built connectors (OpenConnect) ensure seamless interoperability with your ecosystem.

# 4

## 4. Engineered for Operations

Robust automation for settlement, EOD processing, reporting, and compliance delivers operational excellence and reduces risk.

OpenWallet provides the complete platform to manage a thriving digital payments ecosystem.