



Open Digital Acquiring

The Future of Unified Merchant Acquiring

A single, enterprise-grade platform unifying Global Card Schemes and Instant Account-Based Payments.

A Unified Ecosystem for Modern Merchant Acquiring

Open Digital Acquiring is an end-to-end platform enabling Banks and PSPs to manage the full merchant lifecycle across both traditional card rails and next-gen instant payment switches.



Unified Acceptance

Seamless processing of Global Schemes (Visa, MasterCard, UnionPay) and ISO 20022 Account-Based Payments on a single rail.



Market Proven

Active production deployments across West & East Africa, The Middle East (UAE), and South Asia (Pakistan).



Enterprise Security

Fully certified infrastructure compliant with PCI DSS and ISO 27001 standards, securing every transaction from dip to settlement.



Certified Global Card Acquiring Infrastructure

Production-ready gateways for Card Present (CP) and Card Not Present (CNP) transactions.

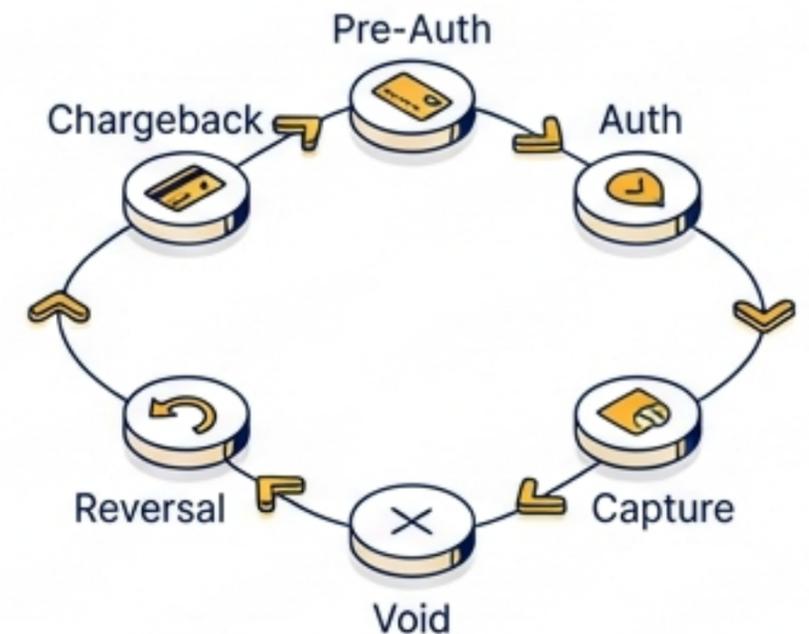
Supported Transaction Flows

- **Card Present:** Physical POS (Dip & Contactless), SoftPOS (Tap-to-Phone), Mobile POS
- **Online/CNP:** Full eCommerce gateway support



Lifecycle Handling

- Pre-Auth, Auth, Capture
- Void, Reversal, Chargeback Management



Universal Terminal Support & Transaction Lifecycle

Terminal Diversity



Legacy/Smart POS (Linux/Android)

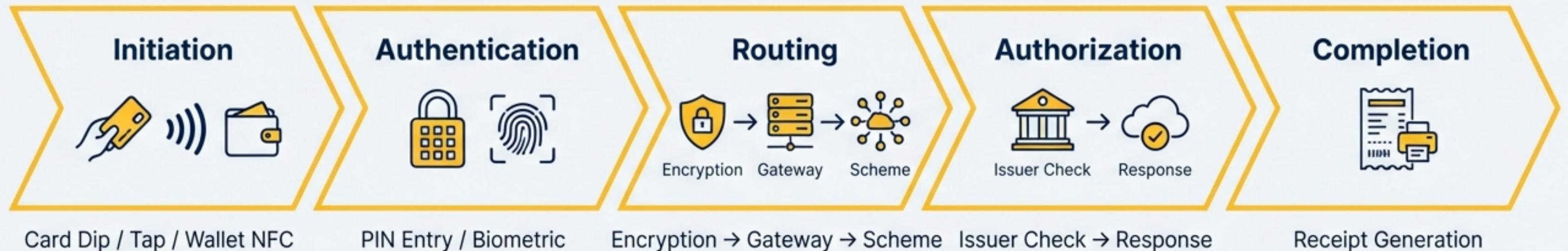


SoftPOS (Tap-to-Phone)



mPOS (Dongle/Bluetooth)

The Transaction Journey



Next-Gen Account-Based & Instant Payments

Native integration with National Payment Switches via ISO 20022 standards.

Live National Integrations



RAAST
(Pakistan)



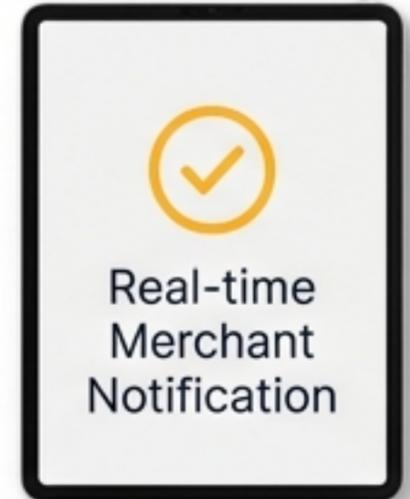
**EthSwitch
SVIPS**
(Ethiopia)

BCEAO
(Togo/West Africa)

Instant Payment Lifecycle



Instant Clearing via
IPS (ISO 20022)



Merchant Initiated

- Request to Pay Now (Real-time collection)
- Request to Pay Later (Invoicing/Recurring)

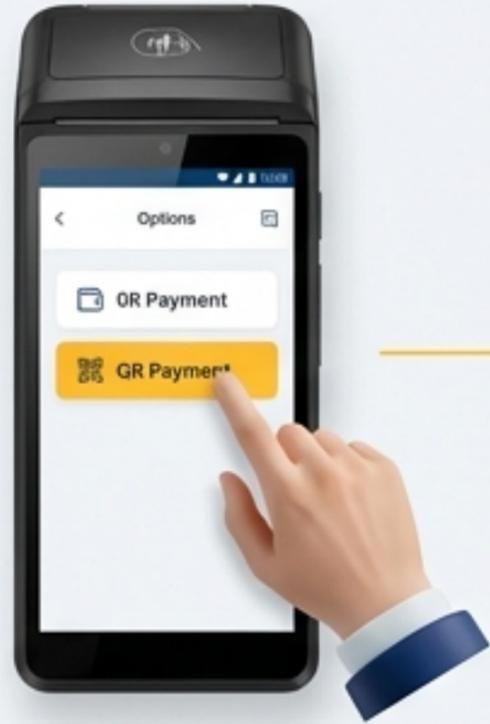
Customer Initiated

- Scan & Pay (Static/Dynamic QR)
- Pay via Account
- Pay via ALIAS/Proxy

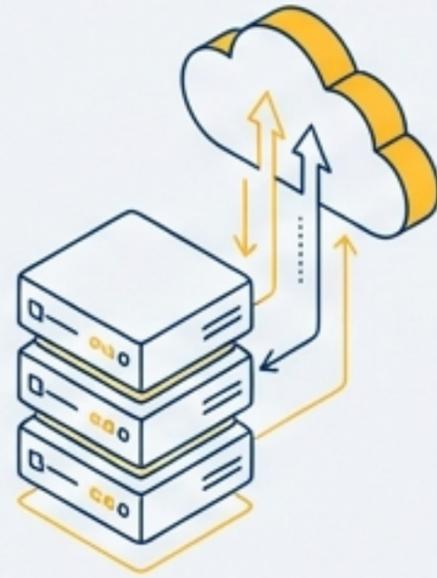
Unified Experience: Instant Payments on Conventional POS

Bridging the gap between legacy card terminals and account-based instant payments.

Step 1 **Merchant Input** → Step 2 **Request Generation** → Step 3 **Visual Output** → Step 4 **Customer Action** → Step 5 **Confirmation**



Selects 'QR Payment' & Enters Amount



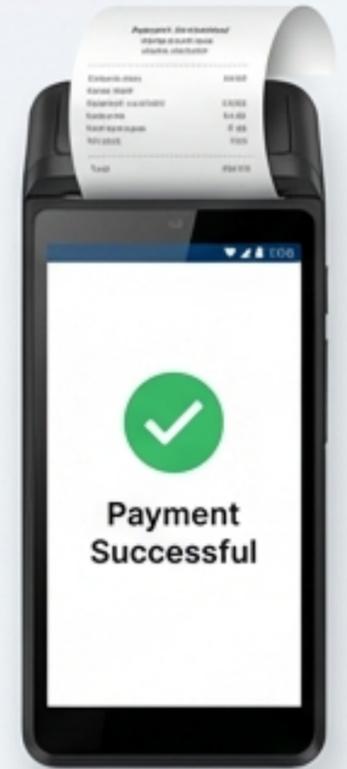
POS calls API -> One-Time Dynamic QR generated.



POS displays QR with branding (e.g., Raast).



Customer scans & authorizes via Mobile Banking App.



Real-time success notification & Receipt Print.

Global Readiness & Active Deployments

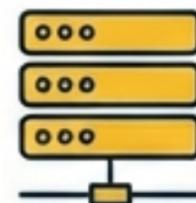
Proven scalability across diverse regulatory environments and multi-currency corridors.



Multi-Currency Support



Regional Compliance Adaptability



High-Volume Transaction Load

Digital-First Merchant Experience

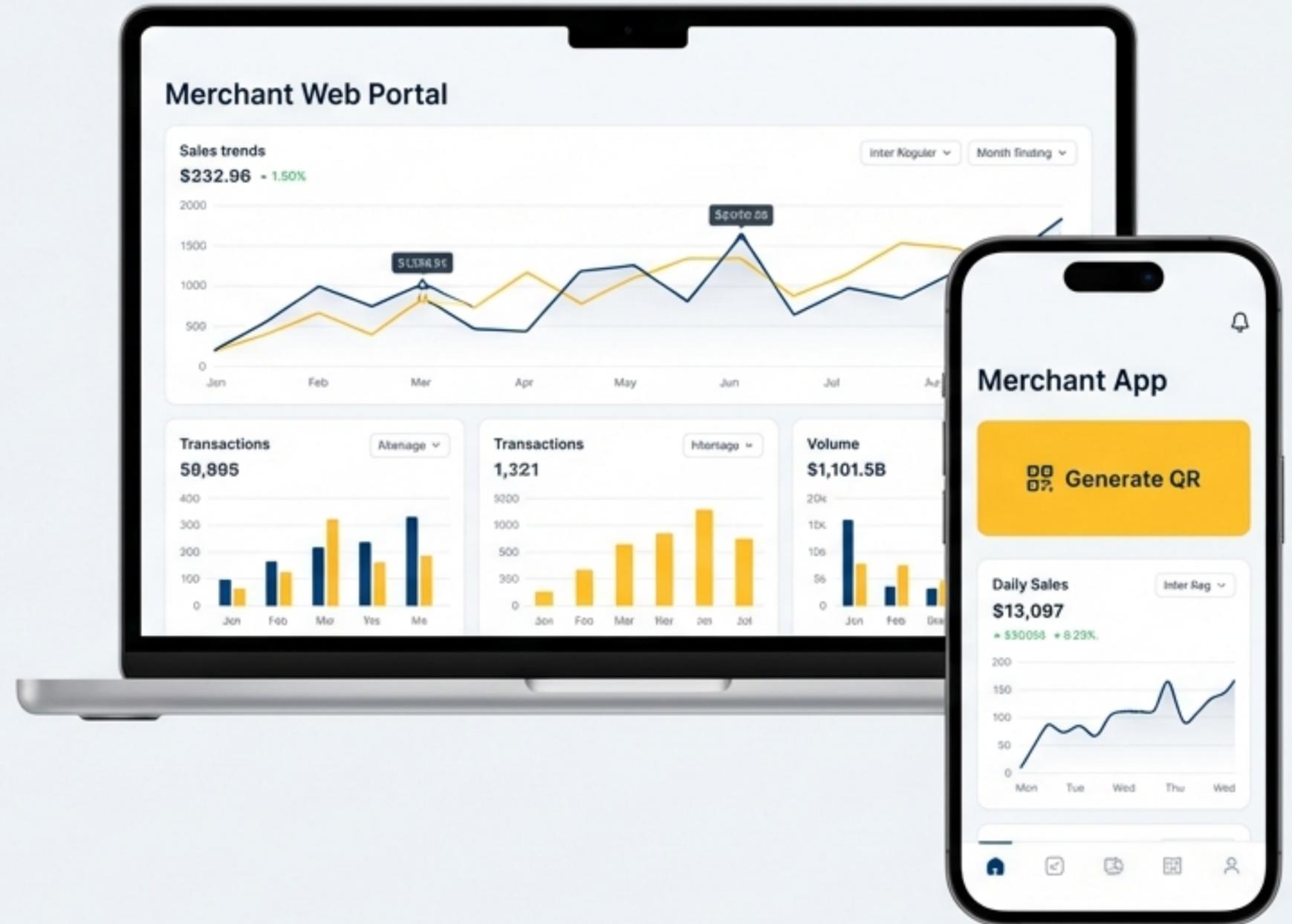
Frictionless onboarding and management via Web Portal and Mobile App.

Digital Onboarding

- Configurable KYC/AML verification
- Bulk Onboarding for Chains
- Biometric & 2FA secure login

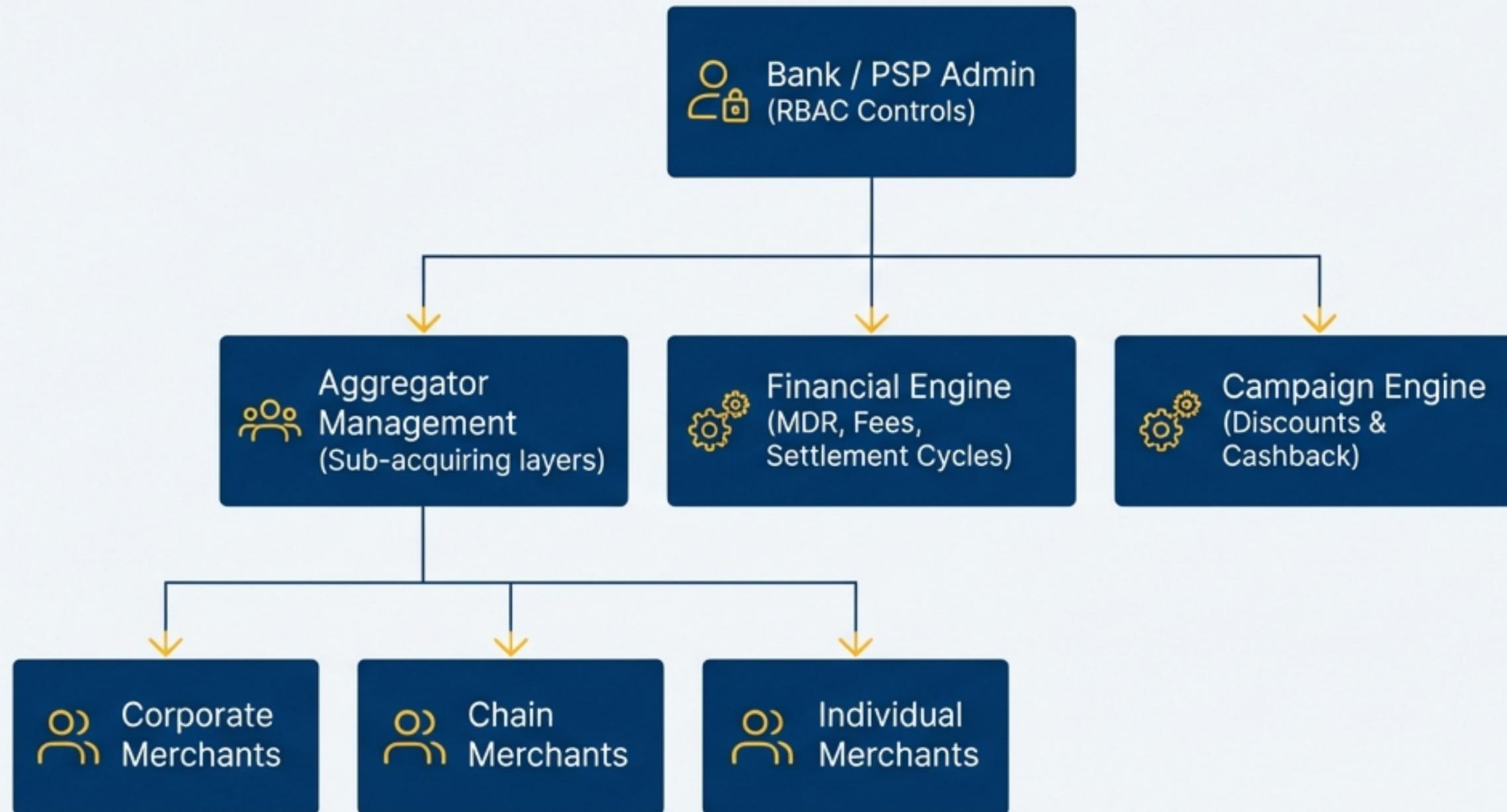
Self-Service Tools

- QR Management: Static & Dynamic EMVCo-compliant codes
- Operations: Transaction history, Dispute management, Refunds
- Terminal Management: Add/manage POS & SoftPOS



Comprehensive Enterprise Control

Complete lifecycle management for Aggregators, Merchants, and Financials.



Financial Configuration

-  Configurable MDR (Merchant Discount Rate) & Flat Fees
-  Flexible Settlement: Instant, Hourly, Daily, or Deferred
-  Till Management for granular tracking

Beyond Processing: Growth & Recovery Modules

Enhancing value for merchants with dedicated growth, protection, and trust modules.



Campaign Management (Growth)

- **Features:** Configurable Discounts & Cashback programs.
- **Flexibility:** Cost-bearing models (Split between Merchant/Bank/Aggregator).
- **Trigger:** BIN-based or Time-based offers.



Recovery Module (Protection)

- **Features:** Automated recording of dues.
- **Action:** Deferred settlement deduction for negative balances.
- **Use Case:** Instant recovery for previous chargebacks or subscription failures.



Dispute Management (Trust)

- **Features:** End-to-end Chargeback lifecycle (Log, View, Contest, Accept).
- **Interface:** Merchant Portal integration for evidence submission.

Architecture, Observability & Uptime

Modular microservices architecture designed for independent scalability and real-time visibility.

Observability & Monitoring



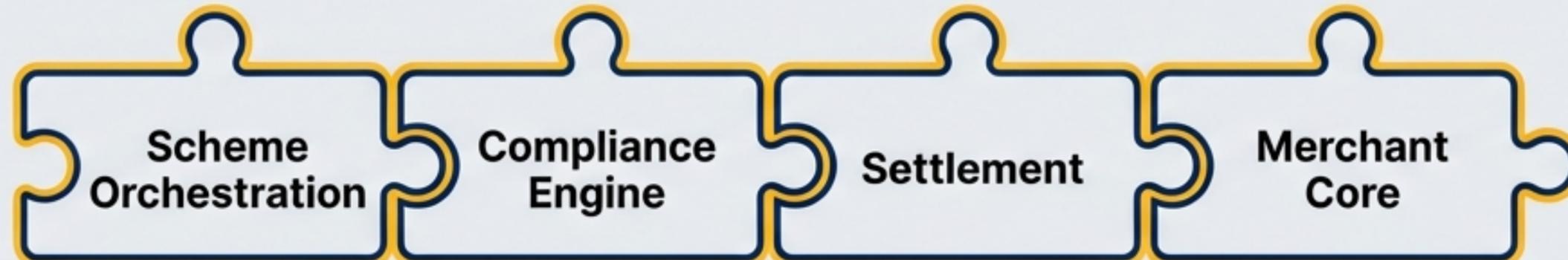
Real-time Dashboards & Health Checks

Integration & API Gateway



Kong & NGINX Secure API Gateway, Push Notifications

Core Microservices



Integration Hub

Central orchestration for Schemes, Compliance, and Notifications.

OpenConnect: The Central Integration Hub

A unified orchestration layer normalizing disparate external systems.



The Integration Hub acts as the central translator, managing API calls between the core banking system and external third-party vendors.

Uncompromising Security & Compliance

Adhering to the strictest global standards for data protection and financial integrity.

Certifications



PCI DSS Compliant

Card Data Security



ISO 27001 Certified

InfoSec Management

Data Protection Protocols

- ✓ • Data at Rest: AES-256 Encryption
- ✓ • Data in Transit: TLS / HTTPS
- ✓ • Access Control: OAuth 2.0 & MFA/2FA
- ✓ • Auditability: Comprehensive Logs for API & User Actions

Ready to Deploy. Ready to Scale.

UNIFIED

Visa, MasterCard &
ISO 20022 Instant
Payments.

PROVEN

Live across Africa,
Middle East &
South Asia.

SECURE

PCI DSS & ISO
27001 Certified.

Contact the Paysys Labs Enterprise Team for a technical deep dive or demo.

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