



ARCHITECTURE OVERVIEW

# Technology Architecture Summary

Infrastructure Stack, Settlement Design, and Security Posture

**Unykorn Capital Markets**

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**Classification:**

Restricted — BD Only

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**OVERVIEW**

The Unykorn technology stack spans seven functional layers: (1) Rust-core settlement engine Apostle Chain (Chain ID 7332) handling AI-to-AI transactions at sub-second latency; (2) Custody integration with four institutional custodians; (3) Stablecoin rail management (USDC, USDT, DAI/USDS, RLUSD, USDF, private rails); (4) Oracle data layer for real-time pricing and NAV feeds; (5) Compliance automation for KYC/AML, accreditation, and regulatory event logging; (6) Digital issuance module for token contract authoring across eight settlement chains; (7) Agentic operations for automated reporting, investor communications, and post-close reconciliation.

All inter-layer communication is authenticated with per-request signing. Audit events are written to an append-only log with cryptographic chaining. The platform supports multi-chain asset registration, enabling a single offering to be represented across XRPL, EVM, Stellar, and proprietary chains simultaneously, with cross-chain settlement routing managed by the execution engine.

Security controls include end-to-end encryption in transit, encrypted keystores for all treasury and custodian credentials, rate limiting and brute-force detection at the API boundary, and an integrity monitoring module (Sentinel) performing continuous behavioral and anomaly analysis on all platform actors and agents.



## PARTNER IMPLEMENTATION CHECKLIST

- 1 Request architecture deep-dive session with UnyKorn engineering
- 2 Review API documentation and obtain sandbox credentials
- 3 Complete internal IT security review of platform integration points
- 4 Validate connectivity to custody provider APIs
- 5 Test reporting data feed format against internal systems
- 6 Confirm key management and credential storage procedures
- 7 Execute integration acceptance testing checklist

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### NEXT STEPS — UnyKorn Capital Markets Partnership Desk

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