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DIGITAL ASSET INFRASTRUCTURE

By
CustodianOne

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About CustodianOne

Ready-to-use infrastructure designed to launch and scale digital asset operations safely.

CustodianOne is an all-in-one platform built for digital asset custody, transaction processing, and multi-purpose reporting.

Key Capabilities:

- Ready-to-use APIs allow banks and fintech companies to onboard within weeks, eliminating the need to develop and maintain proprietary backend infrastructure.
- The platform streamlines AML/KYT screening, monitors all transaction flows, and generates multi-purpose reports that satisfies compliance requirements.
- Guarantees a highly secure, audited, and compliant framework for all digital asset operations.

CustodianOne dramatically slashes your time-to-market and absorbs your primary regulatory and technological risks.

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Market Challenges

High Cost of Foreign Software

Utilizing international platforms requires substantial licensing budgets. Furthermore, companies must build additional infrastructure internally to ensure compliance with local regulatory requirements.

Technological Isolation of Systems

Existing corporate and banking systems lack ready-to-use tools for blockchain integration. Developing proprietary integration gateways increases costs and delays the time-to-market for new services.

Lack of Accounting Automation

Standard accounting software does not support blockchain transaction processing or the generation of the required tax reporting.

Conclusion: Businesses in the CIS require a turnkey localized IT platform. It must simultaneously ensure domestic data residency, comply with the technical regulations of local authorities, and automatically generate accounting data.

Market Challenges: Current Practices vs. CustodianOne

	Current Practice	With CustodianOne
Infrastructure and Costs	Purchasing expensive foreign software licenses while simultaneously developing a proprietary local solution to comply with regulatory requirements.	A turnkey, localized IT infrastructure delivered directly to the client. The server architecture is hosted domestically, and system rules are easily configured to meet local regulatory mandates.
Transaction Control	Manual approval of transfers via corporate email or messaging applications, creating operational risks and vulnerabilities.	Approvals managed via an electronic document management system that automatically captures transfer details and routes them forward. Features customizable validation rules and designated approval workflows.
Reporting Generation	At the end of each month, the back office manually extracts statements from blockchain networks and reconciles historical exchange rates to calculate foreign exchange differences for all transactions.	Automated monitoring of client transfers, instant asset valuation, and real-time generation of diverse financial reports accounting for foreign exchange differences.

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Cost Comparison

Финансовый показатель	In-House Development	Foreign Vendor	CustodianOne
Upfront Costs	**From $100 000** This covers core architecture design, procurement of HSM modules, and external security audits.	**From $10 000** Fixed setup fee with no hidden infrastructure outlays.	Fixed setup fee plus separate integration service charges.
Ongoing Monthly OpEx	Ongoing expenses for full-time engineering salaries, server infrastructure rentals, and continuous node maintenance.	• From $5,000 to $8,000 per month. • This is driven by a rigid minimum storage fee of $2,000 to $5,000 monthly.	Scalable percentage of assets under management. Billed in local currency without indexing to foreign currency minimums.
Back-Office Maintenance	High overhead because dedicated staff are required for manual ledger extraction, cross-network reconciliation, and Excel-based accounting.	Core transactions are automated, but the finance team must still manually calculate exchange rate differences and local tax liabilities.	Fully automated accounting that tracks asset valuation in real time and provides instant generation of local tax-compliant reporting.
Compliance Expenses	Demands separate, high-cost software licensing for third-party AML and KYT transaction monitoring systems.	International platforms lack integration with national financial monitoring agencies, forcing companies to buy additional local software.	Affordable local tariff. Transaction monitoring infrastructure and national compliance modules are natively integrated into the platform.

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Market Opportunity & Revenue Structure

Current Target Market Capacity

Kazakhstan
The aggregate domestic digital asset turnover (both regulated and unrecorded) is estimated at $6.8B. The legislative framework enacted on May 1st transitions these transaction flows into the formal legal perimeter.

Reginal Market
Growth is further driven by adjacent Central Asian markets adopting mandatory compliance: Uzbekistan ($2B+ market turnover) and Kyrgyzstan ($20B infrastructure transaction volume).

Monetization Model

- Digital Asset Custody Fee — Assets-under-custody commission for secure asset storage (and per transaction fee).
- Asset Issuance & Tokenization Fee — Operational fees executed per token deployment.
- Setup & Integration Fee — A one-time fixed payment for deployment, onboarding, and custom fintech integration.
- Wallet-as-a-Service — API provisioning fees for commercial organizations embedding native digital asset wallets for their customer base.

Global Benchmarks

CustodianOne adapts proven global B2B infrastructure models to the unique dynamics of the Central Asian market.

1 Business Architecture & High Operating Leverage

Analyzing global leaders like Fireblocks and BitGo:

- The Infrastructure Play: These pioneers develop software for secure key management and asset custody, monetizing it via scalable APIs tailored for banks and fintechs.
- Infinite Scalability: Once the core software architecture is deployed, onboarding additional clients requires near-zero incremental OpEx, driving exponential profit margins.

2 Emerging Market Scaling Dynamics

Historical data from comparable B2B models in the UAE and LATAM:

- Regulatory Navigation: Projects operating within emerging regulatory frameworks achieve full production deployment within a 12-to-18-month window.
- Commercial Viability: The institutional B2B structure ensures that capturing just 3-5 anchor financial institutions is sufficient to reach complete corporate break-even.

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Global Benchmarks

To address emerging local requirements, CustodianOne is developing a specialized module to automate compliance and mandatory reporting workflows directly to the State Revenue Committee of the Ministry of Finance of the Republic of Kazakhstan.
This infrastructure add-on will operate on a flat-fee annual B2B subscription model, projected at roughly $400 annually per company.

3 Tariff grid

Service line	Industry Benchmark	CustodianOne Pricing	Commercial Rationale
Digital Asset Custody	**0.05%-0.4% p.a. of the asset volume**	**0.1%-0.25% p.a.**	Sliding-scale (regressive) pricing: Fees dynamically decrease as the client's Assets Under Custody grow.
Transaction fees	**0.1%-0.3%** of transaction volume	**0.1%-0.3%** of transaction volume	Directly tied to the growth of transaction volumes and client network activity.
Asset Issuance & Tokenization	**0.2%-0.7% of the emission volume**	**0.25% one-time payment**	Standard flat fee covering end-to-end technical infrastructure support and primary token minting.
Wallet-as-a-Service	Fixed subscription + transaction split	Minimum fixed base + % of transaction turnover	Platform returns scale organically alongside our clients' operational and market activity.
Compliance & Reporting Module	**$300 – $600** p.a. for license	**~$400** p.a. for subscription	Growth driven by onboarding retail users.

Crypto Asset Market

The Global Market Enters a New Era

The global digital asset market has surpassed $3.5 trillion, signaling deep integration with the traditional financial system.

RWA Tokenization: A Key Growth Driver

On-chain tokenized Real-World Assets (including government bonds, money market funds, real estate, and debt) have reached $26B.

The Rise of Institutional Custody

The influx of institutional capital is driving a surge in demand for licensed, compliant custody solutions that ensure secure digital asset management and regulatory alignment.

Central Asia Embraces Regulation

Regional markets are rapidly transitioning into the legal framework: in Uzbekistan licensed crypto provider turnover has exceeded $2B; for Kyrgyzstan transaction volume reached $20B.

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Target Market & Regional Traction

CustodianOne initially targets all current participants within the National Bank regulatory sandbox, specifically: RWA Tokenization issuers, Next-Gen Cross-Border Gateways, Licensed Digital Asset Trading Hubs.

The enactment of the new Digital Law will dramatically expand our potential client base. By providing a clear legal framework for mainstream businesses, the legislation will unlock the market for commercial banks, investment funds, property developers, and payment networks.

Financial institutions across Central Asia are already evaluating our infrastructure

- Uzbekistan: Active pipeline includes a commercial bank, an established digital asset exchange, and corporate enterprises launching upcoming RWA initiatives.
- Kyrgyzstan: Deep engagement with licensed crypto operators and two premier commercial banks.

CustodianOne provides a turnkey IT platform with natively integrated compliance, bridging the technical gap for local sandbox participants and cross-border financial entities establishing legitimate digital asset workflows.