



LedgerCore: Unlocking Institutional-Grade Digital Asset Infrastructure

LedgerWatch
Crypto Market Intelligence

Analytics

- Cross-Border Flows
- Exchange Network
- Market Share
- Exchange Revenue
- Country Insights
- Exchange Grading
- Wallet Investigation
- Liquidity & Trading
- Market Dominance
- Settings & Export

Cross-Border Cryptocurrency Flows

Monitor cryptocurrency flows between South Africa and international markets

Valr Bitcoin (BTC) Aug 11, 2024

Category	Value	Change
Total Inflows	\$199.69B	+12.5% from last period
Total Outflows	\$29.78B	+8.2% from last period
Net Flow	+\$169.91B	+24.1% from last period

Valr Cross-Border Flows (Monthly)
Period: 11 Aug 2024 - 11 Aug 2025 - 758ms - Updated 17:07:31

Month	Inflows (\$B)	Outflows (\$B)	Net Flow (\$B)
Aug 2024	32.0	1.0	31.0
Sept 2024	35.0	1.0	34.0
Oct 2024	32.0	1.0	31.0
Nov 2024	28.0	1.0	27.0
Dec 2024	30.0	1.0	29.0
Jan 2025	28.0	1.0	27.0
Feb 2025	25.0	1.0	24.0
Mar 2025	22.0	1.0	21.0
Apr 2025	20.0	1.0	19.0
May 2025	18.0	1.0	17.0
Jun 2025	16.0	1.0	15.0
Jul 2025	14.0	1.0	13.0
Aug 2025	12.0	1.0	11.0

Understanding Cross-Border Flows
Data interpretation guide for Valr crypto flow

Understanding Cross-Border Cry

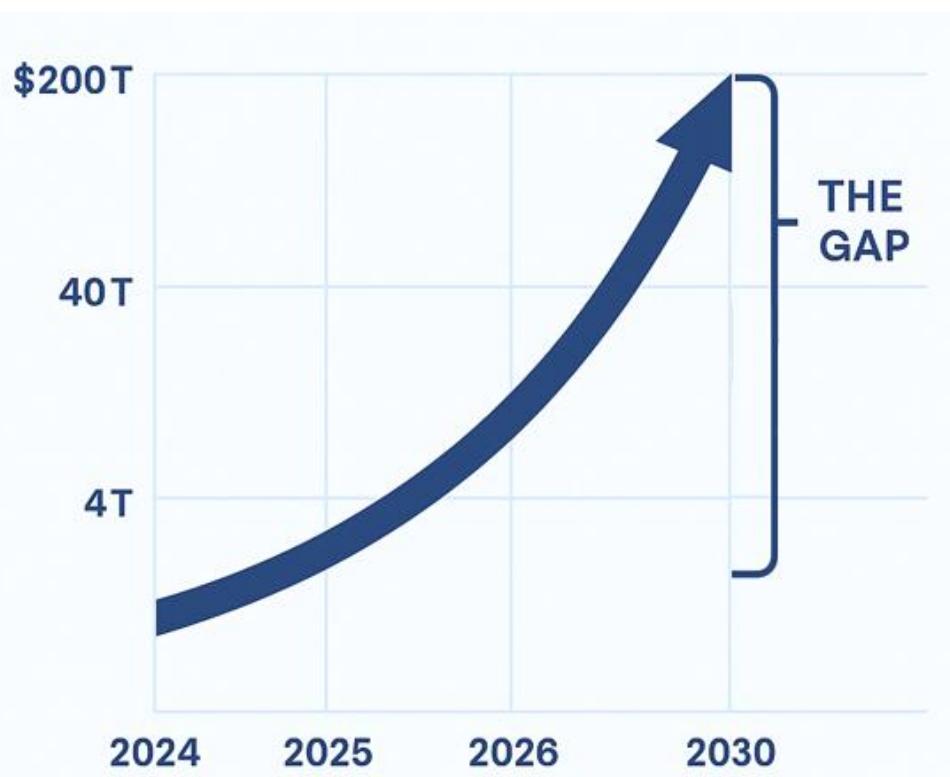
What This Data Represents

The "Monthly Cross-Border Flows" chart visualizes the volume and direction of cryptocurrency flows between South Africa and international markets. This chart highlights the significant role of South Africa in the global cryptocurrency ecosystem, particularly in receiving inflows from international markets. The data is updated monthly, providing a comprehensive overview of the market's dynamics.

Key Metrics Explained:

- Inflows (Green Bars):** Represent cryptocurrency value received from foreign markets. This includes South Africans remitting funds, investments into SA exchanges, and capital inflows.
- Outflows (Red Bars):** Show cryptocurrency value sent to international markets. This covers South African payments to international entities, and capital outflows.

The Institutional Digital Asset Opportunity



The digital asset market is undergoing explosive growth – with global market capitalization projected to **exceed \$200 trillion by 2030**. Regulatory certainty is improving across key jurisdictions like the US and EU, unlocking new use cases for institutional finance.

Institutions are entering the space with serious intent – deploying capital, tokenizing real-world assets, and building systems for custody, payments, and settlement.

To seize this momentum, they require solutions that meet the demands of compliance, audit, and operational control – and [LedgerCore](#) positions itself as the trusted foundation powering that adoption.

Stablecoins

The First Frontier

Stablecoins are the most mature and widely adopted digital asset use case in institutional finance today, already facilitating over \$8 trillion in annual transaction volume.

Their growing role in payments, settlements, and treasury flows makes them a critical infrastructure layer. Regulatory frameworks like **MiCA** (EU) and **GENIUS** (USA) are taking shape globally, accelerating compliant adoption.

Yet institutions still lack the tools to see beneath the surface – to monitor stablecoin reserves, flows, and counterparties with audit-grade visibility.

LedgerCore bridges this gap by transforming raw stablecoin activity into structured, compliance-ready intelligence, making it easier to operate securely in a tokenized economy.



The Problem

Blockchain data is highly fragmented, inconsistent, and operationally unusable for traditional financial institutions. These organizations face a series of critical challenges when engaging with raw blockchain data.

Fragmented Infrastructure

- Data is scattered across multiple blockchains and exchanges.
- Each requires separate full nodes, APIs, and specialized engineering effort.

Non-Standardized, Raw Formats

- Blockchains use differing data models (e.g., UTXO vs. account-based).
- Exchange APIs vary and lack uniformity.
- No built-in financial context – no clear debits, credits, or economic meaning.

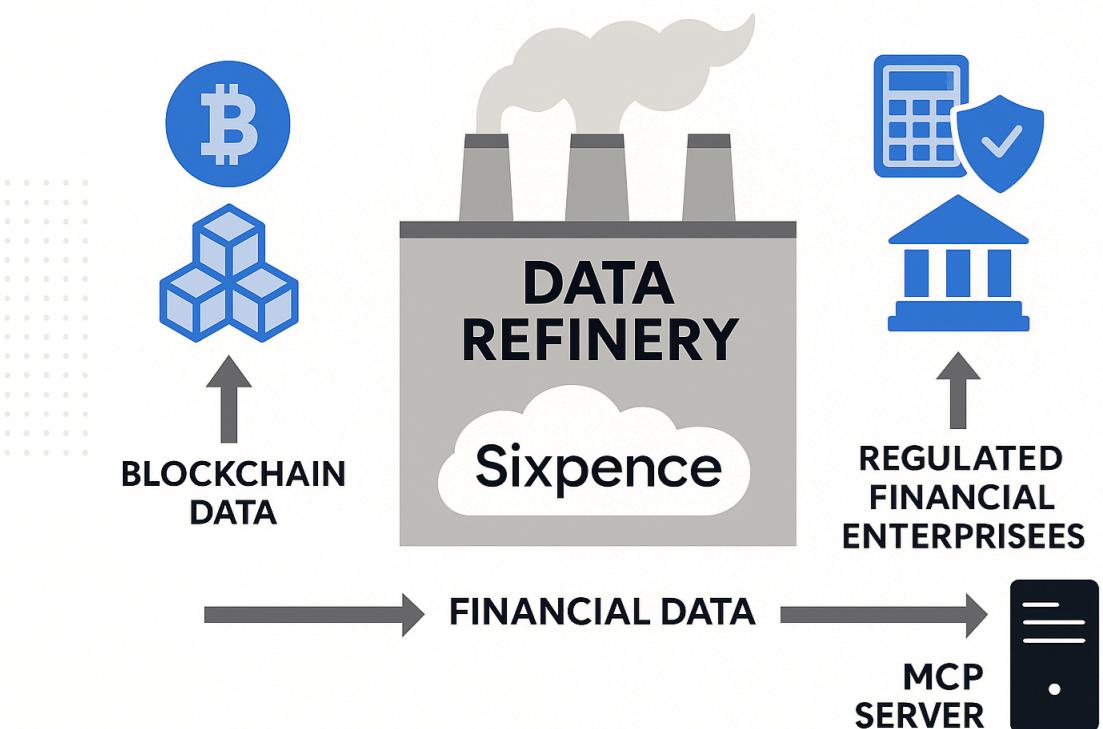
Deep Protocol Complexity

- Smart contract activity (DeFi, NFTs, staking) creates cascades of hidden events.
- Accurate interpretation requires in-depth, protocol-specific decoding.

Manual and Error-Prone Processes

- Reconciliation often involves spreadsheets and fragile scripts.
- Not scalable for enterprise, and non-compliant for audit and regulatory reporting.

The Solution: LedgerCore



LedgerCore is a sovereign, on-premises data platform built for the financial sector.

It connects directly to blockchains and exchanges, transforms raw data into structured, auditable financial records, and exposes it through a unified API – giving institutions full control over performance, compliance, and integration.

With LedgerCore, institutions can ingest, enrich, and operationalize blockchain data at scale – without relying on third-party aggregators or generic analytics tools.

Why LedgerCore is Different

LedgerCore is not just another generic blockchain tool – it is purpose-built for the financial sector.

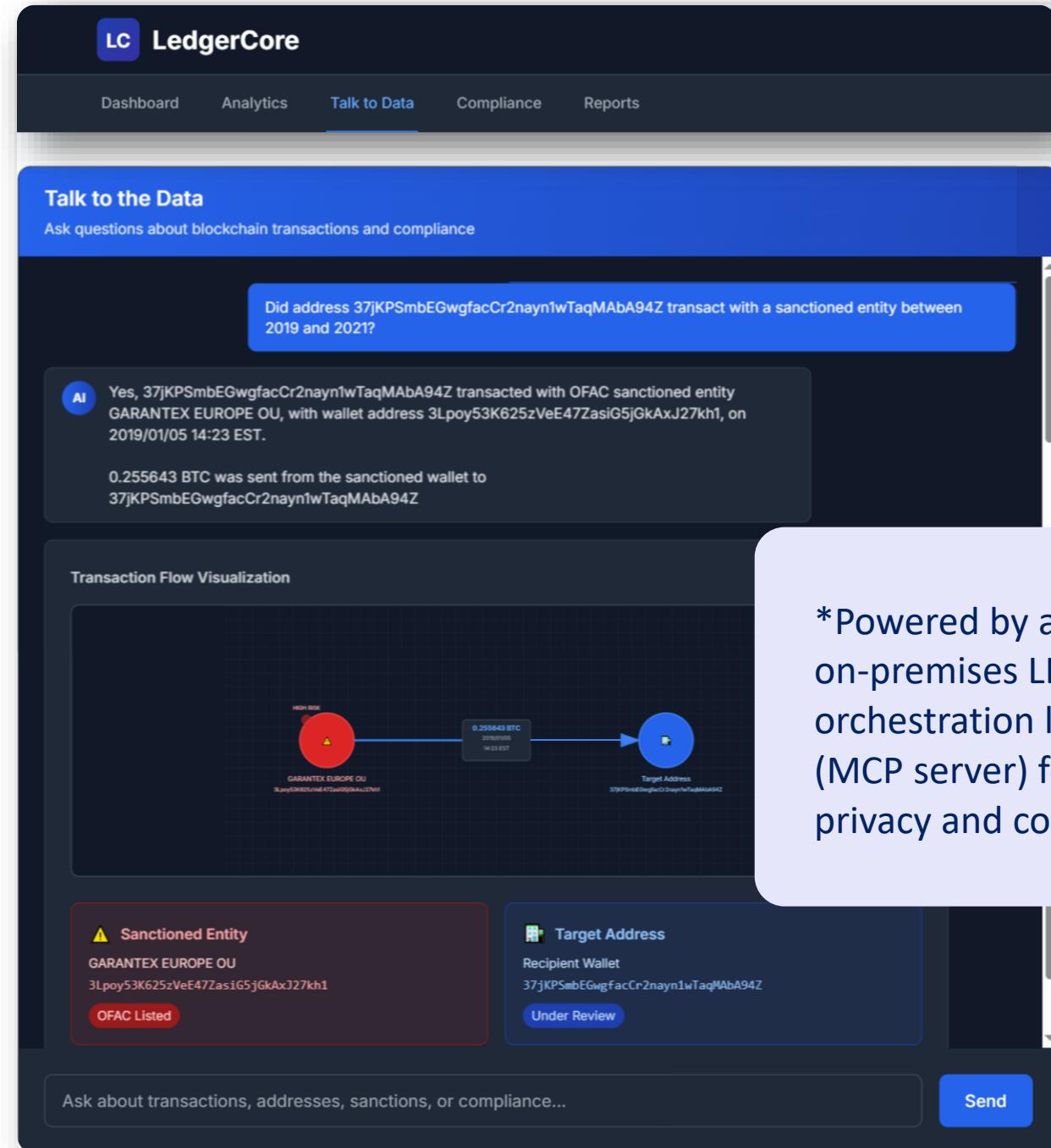
Unlike third-party SaaS platforms or opaque data aggregators, LedgerCore is

- deployed entirely on-premises, giving institutions full control, sovereignty, and compliance over their digital asset data.
- engineered from the ground up for audit, assurance, and risk use cases. It delivers a level of trust, accuracy, and traceability that financial institutions demand.
- not just technically superior, but enterprise-proven and regulatory-aligned, with implementations for banks, auditors, and global crypto and stock exchanges.

Talking to the Data

LedgerCore has an extensive and growing dataset, unlocking new opportunities for intelligence every day.

To help users access insights easily, LedgerCore includes an **integrated private AI assistant***, allowing secure, **natural language queries** across the system – no coding or SQL required.



The screenshot shows the LedgerCore interface with the 'Talk to Data' tab selected. In the 'Talk to the Data' section, a user asks: "Did address 37jKPSmbEGwgfacCr2nayn1wTaqMAbA94Z transact with a sanctioned entity between 2019 and 2021?" The AI assistant responds: "Yes, 37jKPSmbEGwgfacCr2nayn1wTaqMAbA94Z transacted with OFAC sanctioned entity GARANTEX EUROPE OU, with wallet address 3Lpoy53K625zVeE47ZasiG5jGkAxJ27kh1, on 2019/01/05 14:23 EST. 0.255643 BTC was sent from the sanctioned wallet to 37jKPSmbEGwgfacCr2nayn1wTaqMAbA94Z". Below this, a 'Transaction Flow Visualization' shows a red circle labeled 'HIGH RISK' and 'GARANTEX EUROPE OU' with a yellow warning icon, connected by a blue arrow to a blue circle labeled 'Target Address' with a green checkmark icon. A box below the visualization identifies the red circle as a 'Sanctioned Entity' (GARANTEX EUROPE OU, 3Lpoy53K625zVeE47ZasiG5jGkAxJ27kh1, OFAC Listed). Another box identifies the target address as a 'Target Address' (Recipient Wallet: 37jKPSmbEGwgfacCr2nayn1wTaqMAbA94Z, Under Review). At the bottom, a text input field says "Ask about transactions, addresses, sanctions, or compliance..." and a blue 'Send' button is visible.

Did address 37jKPSmbEGwgfacCr2nayn1wTaqMAbA94Z transact with a sanctioned entity between 2019 and 2021?

AI Yes, 37jKPSmbEGwgfacCr2nayn1wTaqMAbA94Z transacted with OFAC sanctioned entity GARANTEX EUROPE OU, with wallet address 3Lpoy53K625zVeE47ZasiG5jGkAxJ27kh1, on 2019/01/05 14:23 EST. 0.255643 BTC was sent from the sanctioned wallet to 37jKPSmbEGwgfacCr2nayn1wTaqMAbA94Z

Transaction Flow Visualization

Sanctioned Entity

GARANTEX EUROPE OU
3Lpoy53K625zVeE47ZasiG5jGkAxJ27kh1
OFAC Listed

Target Address

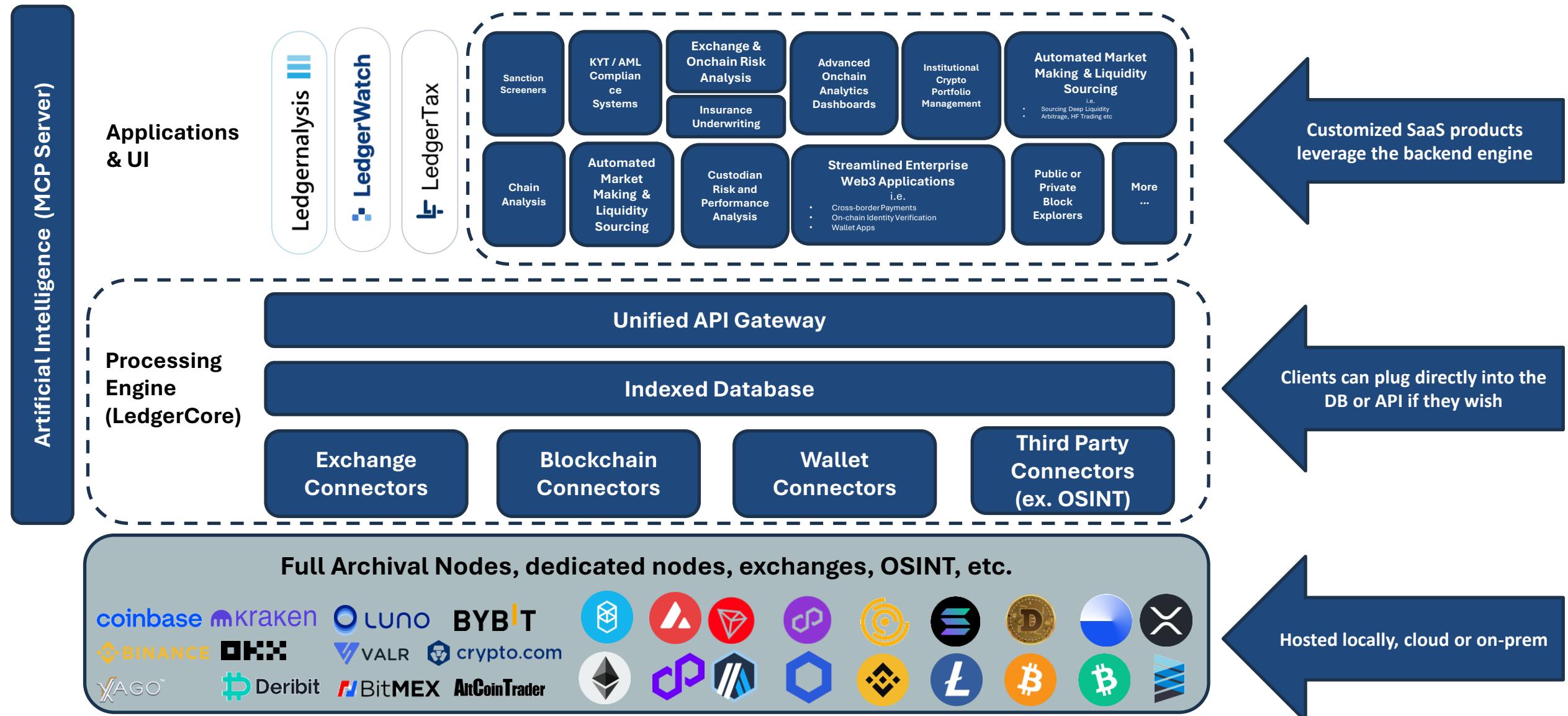
Recipient Wallet
37jKPSmbEGwgfacCr2nayn1wTaqMAbA94Z
Under Review

Ask about transactions, addresses, sanctions, or compliance...

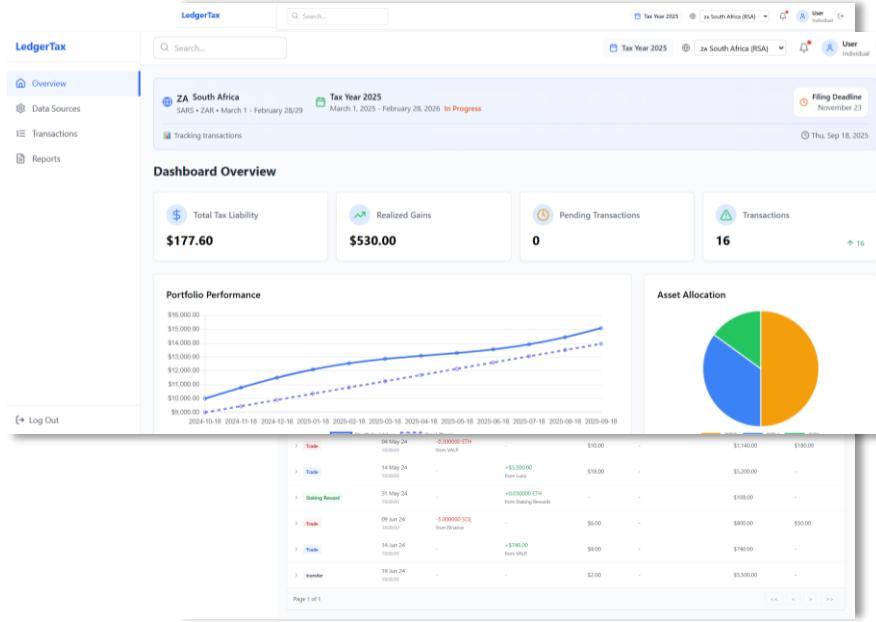
Send

*Powered by a secure, on-premises LLM orchestration layer (MCP server) for data privacy and control.

Robust Product Architecture



Product Suite



LedgerTax

Dashboard Overview

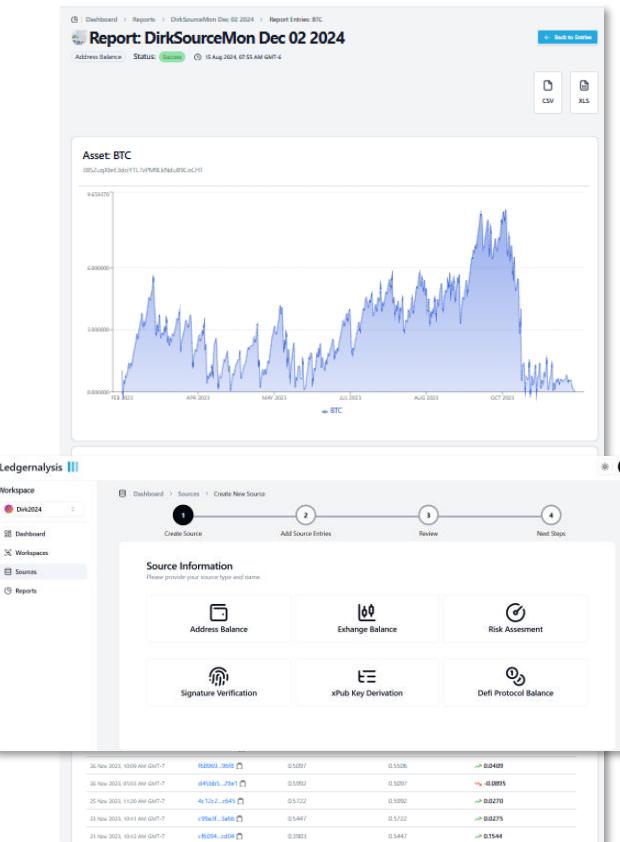
- Total Tax Liability: \$177.60
- Realized Gains: \$530.00
- Pending Transactions: 0
- Transactions: 16

Portfolio Performance

Asset Allocation

Transactions

Log Out



Report: DirkSourceMon Dec 02 2024

Address Balance: Status: **Success** (14 Aug 2024, 07:55 AM GMT-4)

Asset: BTC

Exchange Price Comparison (BTC/ZAR)

Daily Volume by Exchange

Address Details

Address: Unknown (18hVua... - N/A)

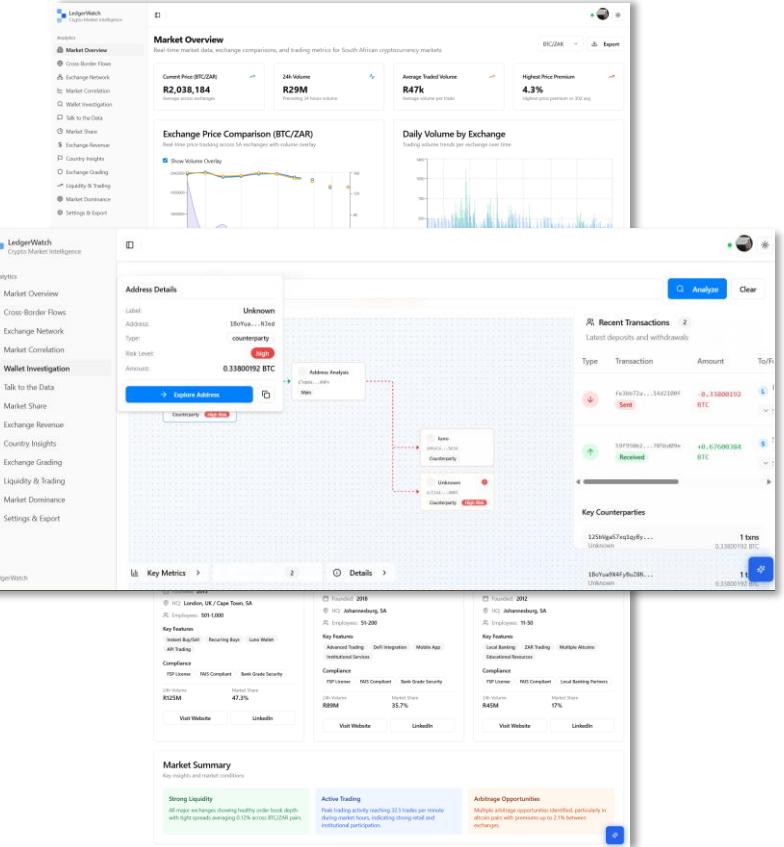
Address Analysis: Hash: 18hVua...

Key Metrics

Market Summary

Active Trading

Arbitrage Opportunities



Market Overview

Exchange Price Comparison (BTC/ZAR)

Daily Volume by Exchange

Address Details

Address: Unknown (18hVua... - N/A)

Address Analysis: Hash: 18hVua...

Key Metrics

Market Summary

Active Trading

Arbitrage Opportunities

LedgerTax

A fully automated and smart Cryptocurrency Tax Calculator, producing IRS-compliant reports.

Ledgernalysis

A suite of tools for the digital asset auditor, including BS & IS statements, ownership testing tools and more

LedgerWatch

Market supervision, enforcement and macro-analysis for policy-makers, auditors and banks.

Customisation

LedgerCore is not just a backend engine – it's a flexible platform that can be tailored to fit your team's workflows, user roles, and reporting requirements.

For Compliance & Surveillance

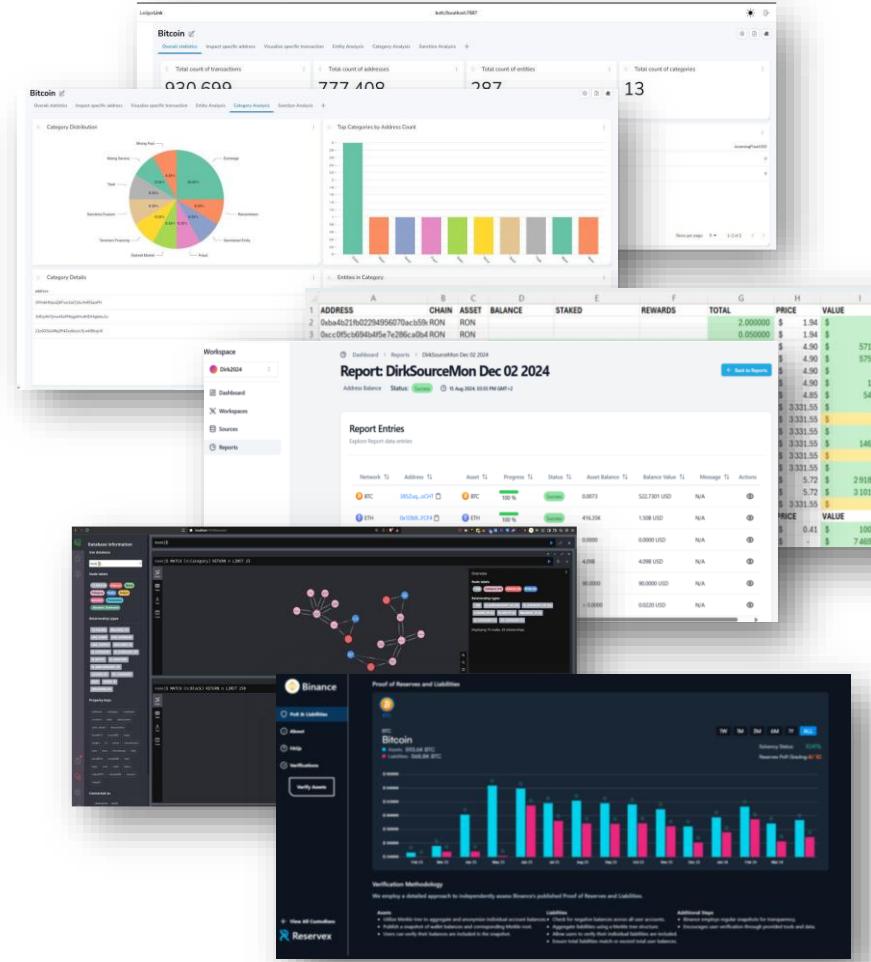
- Trace on-chain activity with labelled entities and relationship graphs
- Monitor stablecoin flows, issuer risk, and behavioral anomalies

For Finance & Audit

- Generate customized accounting reports with portfolio balances, tax methods (e.g. FIFO/LIFO), and cryptographic audit tools

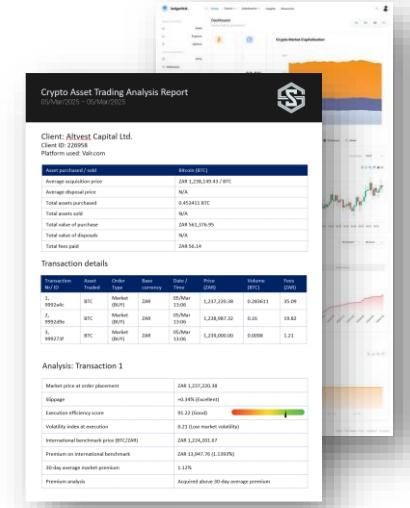
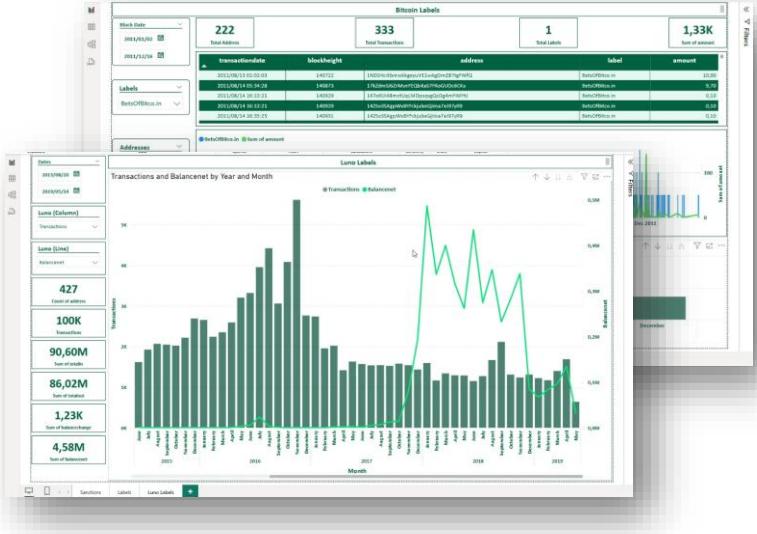
For Strategy & Oversight

- Build dashboards for market surveillance, trading analytics, or regulatory supervision – updated in real time



Customized Products

We build what YOU want



Global Audit Firm

Custom Proof of Reserves dashboard for crypto custodians – fully transparent, cryptographically verifiable attestations

Commercial Bank

PowerBI integration powered by LedgerCore, enabling advanced due diligence on VASP clients and crypto risk monitoring

Stock Exchange

Market surveillance tool for monitoring listed companies with digital asset exposure – tailored alerts and reporting

Trusted by Leaders in Crypto and Finance



2023

Forvis Mazars & Global Exchanges

Use Case: Proof of Reserves (PoR)

Clients: Binance, Crypto.com, KuCoin

Impact: Delivered first-of-its-kind PoR attestation, enabling public trust in major exchanges.

2024

Coinbase

Use Case: Assurance Infrastructure

Engagement: Development grant recipient

Impact: Funded to develop *Reservex*, an open-source Proof of Reserves toolkit, further validating LedgerCore's role as a foundation for assurance.

2025

Nedbank

Use Case: Institutional Risk Analytics

Client: Top-four South African bank

Impact: Powered a live dashboard to monitor crypto service providers, client behavior, and on-chain risk – built entirely on LedgerCore.



Founded in 2019, SilverSixpence builds institutional-grade blockchain infrastructure with a focus on audit, compliance, and data integrity. Our team combines deep cryptographic expertise with real-world experience delivering regulated solutions for leading financial institutions and exchanges.

→ [Schedule a demo](#)

Sixpence – the team behind crypto audits for Coinbase, Binance, and Kraken.

[Website](#) | [LinkedIn](#) | [X \(Twitter\)](#)

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