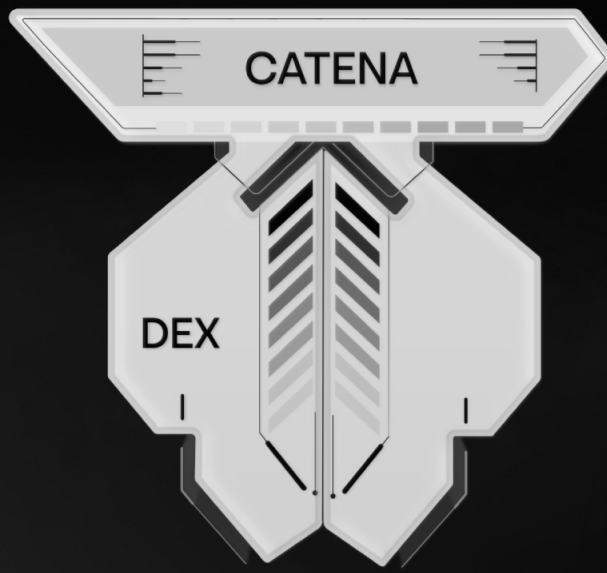




Catena Tools

Whitepaper 2.0

September 29th, 2023



Our vision is to elevate the decentralised exchange with blockchain integrated performance analytics rivaling centralised exchanges

Introduction

Since the beginning of decentralised exchanges all swap executions were visible as transactions. Now with such modern integrations such as programmable swap executions with webhooks and interoperable, gasless exchanges with deep-liquidity providing minimal price impact for token swapping, DEXs are more competitive than ever with the centralised exchange. Considering futures trading has been available since 2021, even limit order books exist on-chain. It is ridiculous most users are sifting through complex transaction history and perplexing address setups.

Without any progress market participants will be left behind in the areas of in depth strategy performance analysis, no portfolio management application accomplishes this - while traditional finance and CEX clients have access to a better framework for informed decision making than Web3 participants.

The solution is to implement DEX swap activity reporting and on-chain analytics, ultimately giving everyone access to the best strategy assessment capabilities at no cost to the user.

Current opportunities do not provide the aggregated importation and individual in depth analysis required to compete with industry grade systems CEX clients have.

Our vision is to elevate the decentralised exchange with blockchain integrated performance analytics rivaling centralised exchanges, the initial layer of a community-owned EVM network specific protocol, that adds value for DEX participants and the Web3 ecosystem as a whole.

What is Catena Tools?

Catena Tools is a blockchain-native decentralised analytics layer that provides aggregated performance interpretation for DEX swaps and liquidity provisions.

How is this a layer? The analytics platform serves as the basis layer for a protocol that adds value to Web3 by joining liquidity with dynamic blockchain entities, providing exponential returns for stakeholders.

We are building a solution to the overall lack of extensive analytics platforms for users of decentralised exchanges, as there are no alternatives at the present time for those that swap tokens and provide liquidity to see their complete on-chain activity in one place, comprehensively swap-by-swap.

Conceptual Overview

Centralised platforms have largely dominated the world of analytics and performance modeling. In these environments, users import trades with API's for analytics presentations. This model's elegance lies in its universality; it can integrate with any chain, handle various transaction types, and ensures veracity of trading history.

The limiting factor is that centralised exchanges are not immutable and pose greater risk than decentralized networks such as Ethereum. Since centralised exchanges do not have open-source systems - the world cannot verify the source data, leading to higher risk setups for users.

Catena Tools removes the need of being tethered to a single data provider. By integrating with an over 700,000 validator node security infrastructure, the superior consolidated data source, blockchain.

Not just another dashboard with simple performance metrics, the analytics layer contributes more to strategy modeling using extensive data-driven assessments.

Features

Precision Analytics

Complete assessment of token swaps and liquidity provisions.

Execution Terminal

Rapid reliable DEX order placement.

Real-time Monitoring

Continuous tracking of open positions.

Aggregated Address Importation

Consolidate multiple addresses with signature verification.

Data Visualization

Clear graphical representations of liquidity pools and swaps.

Capital Efficiency

Detailed capital usage reporting.

Protocol Composability

Integrated with major decentralised exchanges.