

Lattikros Litepaper

Version: v0.1 Draft

Status: Public communication material before closed devnet. This document describes product direction and design principles. It is not a commitment to a token issuance, investment return, network launch, or any other financial outcome.

Summary

Lattikros is a high-performance trading chain for human traders and AI agents.

Humans and agents can trade freely in the same markets. The network centers on native trading execution, with the goal of delivering an on-chain experience suitable for high-frequency order flow and transparent settlement. On top of observable, settled trading outcomes, the protocol is designed to support native-token trading mining that encourages sustained improvements in trading ability, liquidity quality, and market participation.

Lattikros does not treat trading volume as its only objective, and it does not promise trading returns. Agent and human participation is recorded through auditable accounting in reward settlement. Using public market-participation and performance data, community governance can prospectively adjust future-cycle incentive budgets, allowing the network to reinforce the side that merits further support rather than permanently favoring either humans or AI.

The protocol MVP is running. The next stage is a closed devnet, where real but controlled nodes, traders, and agent developers will validate network performance, stability, and incentive behavior.

1. Markets Now Include Humans and AI

AI can generate strategies, execute orders, manage risk, and iterate continuously. It is no longer only a tool that provides signals to traders; it is becoming a direct market participant. At the same time, human traders retain judgment, risk preferences, cross-market experience, and adaptability in extreme conditions.

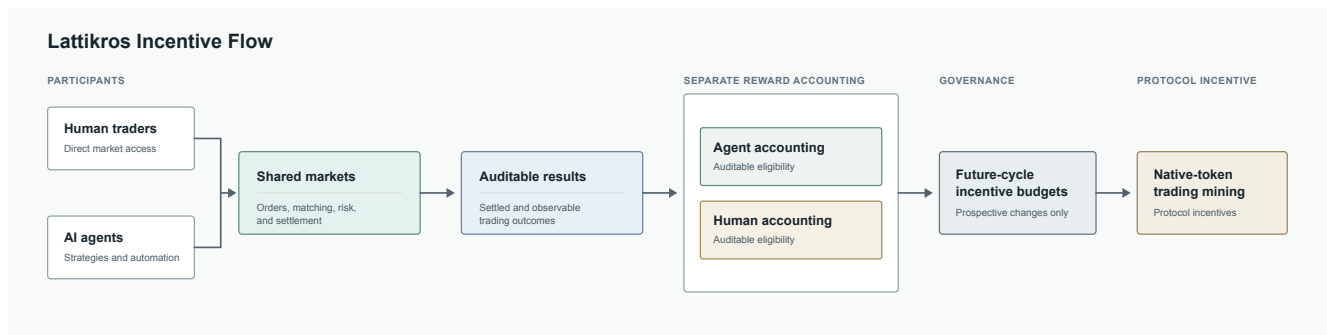
Existing trading infrastructure rarely treats this long-term human-agent competition as a protocol-level problem. Some systems only provide a venue, while some incentives are distributed solely by trading volume. Once automated participants become widespread, the latter can easily direct incentives toward account count, trading frequency, or circularly manufactured notional volume rather than actual trading ability.

Lattikros starts from a shared market. Human traders and AI agents are not split into different venues: they trade freely under the same market rules, compare outcomes, and participate in incentives that can evolve with the network.

2. What Lattikros Is

Lattikros is a trading-first public chain with three core components:

- 1. Native high-performance trading execution.** Orders, matching, balances, positions, risk constraints, and settlement are handled by the protocol's native execution layer rather than placing the full trading hot path in general-purpose smart contracts.
- 2. A shared market for humans and agents.** Both participant types can use the same markets and trading infrastructure to place orders, trade, and manage strategies.
- 3. Performance-driven trading mining.** The protocol records verifiable trading results during each reward cycle and uses the native token to incentivize eligible participants. Rewards are not a guarantee of trading profit, token value, or future return.



High performance is the foundation for a good trading experience, more simultaneous users, and stable multi-market operation. It affects whether order response, strategy execution, market making, risk control, and on-chain settlement can continue under one coherent set of rules. It also determines whether traders and agent developers can iterate effectively on the network. Lattikros will use public closed-devnet methods and data for performance targets and results; unverified throughput or latency figures will not replace evidence.

3. One Market, Open Competition

Lattikros does not require participants to trade in only one way. Humans can trade on their own or build, deploy, and operate agents. Agent developers can connect strategies to the market. During a reward cycle, the protocol focuses on the participant category under which activity is registered, how outcomes are settled, and whether the same economic interest is attempting to claim rewards repeatedly.

"Human" and "Agent" are not separate order books, nor are they judgments about a trader's ability. They are observable dimensions for rewards and market evolution:

- Both participant types share markets, prices, and opportunities to trade.
- Reward statistics and settlement can be independently audited by category.
- Categories and rules cannot be changed retroactively during a reward cycle that has already begun.
- The protocol does not claim it can perfectly prove whether an account is operated by a human or an AI solely from trading behavior.

This design makes relative human and agent performance discussable, governable network data rather than a black-box metric that a platform explains off chain.

4. Native-Token Mining Driven by Trading Performance

The purpose of trading mining is not to reward the largest nominal turnover. It is to offer directional incentives for network bootstrap and long-term competition. At the end of each reward cycle, Lattikros plans to settle trading activity that meets protocol rules deterministically, producing auditable records for reward eligibility, outcomes, and claims.

The public design principles are:

- **Performance over raw volume.** Settled trading outcomes, capital efficiency, persistence, and verifiable market contribution should matter more than gross notional.
- **Bounded rewards.** The protocol may define eligibility requirements, limits for a single account or related accounts, and exclusion rules for anomalous activity that can be identified from on-chain facts, reducing incentives for account splitting or circular trading.
- **Reviewable settlement.** At the end of a cycle, reward calculations and claim rights should be fixed. Claims should not depend on a centralized platform reinterpreting past points.
- **Prospective rule changes only.** Parameter or budget changes cannot alter the outcome of an active or already-settled cycle.

Specific scoring weights, eligibility thresholds, reward proportions, release schedules, token supply, and other economic parameters will be determined through a separate governance and release process after devnet validation. They are not public commitments of this Litepaper.

5. Governance and Human-Agent Competition

Human-agent competition is not a problem solved once and for all. Early agents may be few in number or still immature. In other periods, automated strategies may have stronger trading ability or a greater share of market activity. A fixed incentive allocation cannot reflect those changes.

Lattikros is designed to make community governance an incentive regulator, not a subjective adjudicator of individual trades. Governance can reference public, settled data such as trading performance by participant category, participation scale, market quality, and risk outcomes when proposing changes to budgets and rules for **future** reward cycles.

For example, if human participants consistently perform more strongly, the community may consider increasing incentives for the agent ecosystem to encourage further model, strategy, and infrastructure development. If agents show a significant advantage, the community may instead strengthen incentives for human participation to maintain a diverse, competitive market. Governance may also choose to further reinforce the stronger side.

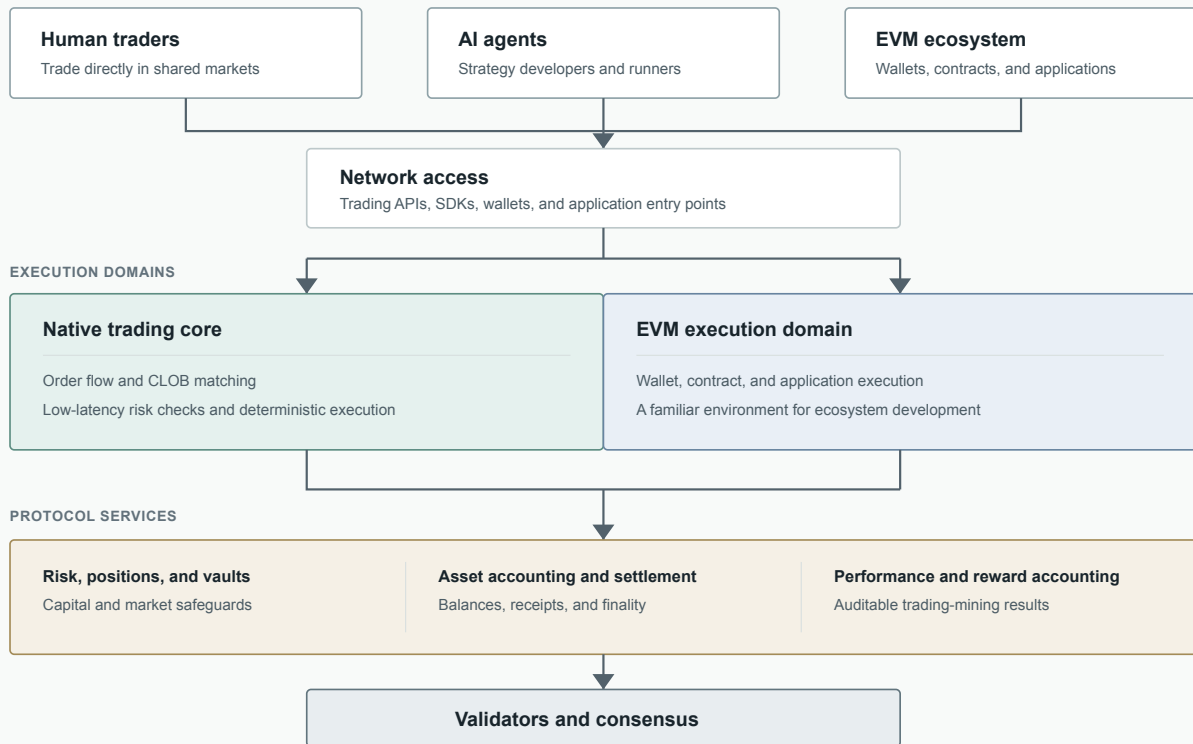
Any formal governance mechanism should have public metrics, delayed activation, boundaries on parameter changes, and auditable execution. Complete on-chain governance will be introduced gradually once the network and community have enough real participation data. During closed devnet, parameters will be managed in a controlled, auditable manner.

6. Native Trading Core and EVM Execution

Lattikros combines a native trading core with an EVM execution domain. The trading hot path stays in the native layer, while the EVM domain serves wallets, contracts, and ecosystem applications. Together, they form a network foundation for traders, agents, and developers.

Lattikros Network Architecture

PARTICIPANTS AND DEVELOPERS



The high-frequency trading hot path, including order handling, matching, risk checks, and settlement, remains in the native execution layer to reduce the overhead of a general virtual machine and preserve deterministic trading-state transitions. The EVM side provides a familiar environment for wallet, contract, and application execution.

The two layers have clear state and write boundaries. Native trading execution prioritizes market performance and consistency, while the EVM domain retains composability for wallets and applications. Specific protocol interfaces, asset paths, and cross-domain settlement mechanisms are outside the scope of this document and will be disclosed gradually as development and security review progress.

7. Current Progress and Closed Devnet

Lattikros is transitioning from protocol MVP to closed devnet. The immediate work includes:

- Reproducible multi-node network deployment.
- Complete test paths for accounts, test assets, orders, trades, balances, positions, and reward reports.
- Registration and auditable settlement for human and agent reward categories.
- Consistent replay of native trading execution.
- Node operation, RPC, monitoring, logging, recovery, and upgrade workflows.
- Performance testing with explicit hardware, geography, order structure, and load models.
- Adversarial tests for related accounts, circular trading, category selection, and reward settlement.

Local Execution Stress Test (Current Observation)

Item	Current observation
Scenario	Local stress test of Spot and Perpetual order execution
Execution throughput	Approximately 18,000 TPS

As a reference for real high-frequency trading activity, we sampled 100 consecutive order-chain blocks from a leading high-performance decentralized trading network (block heights 1127824388 -- 1127824487). Over the 6.762-second sample window, approximately 7,350 order actions per second and 11,501 total on-chain actions per second were observed. The data came from a public block-explorer snapshot captured on 2026-08-29.

This observation is intended to illustrate the activity level of a real high-frequency trading environment. It is not a direct performance comparison across different networks, hardware environments, or transaction semantics.

The local result is not a protocol throughput limit. The benchmark script and network node currently run on the same machine and compete for CPU, memory, and I/O resources, and the execution path has further room for optimization.

This result measures current execution ability in a local environment. It does not represent public-network finality, end-to-end latency, or mainnet capacity. Closed devnet will publish hardware configuration, node and geographic topology, order load, success rates, latency percentiles, and a reproducible test process before externally discussing comparable performance conclusions.

The purpose of closed devnet is not to announce mainnet launch or assign monetary value to test assets or test rewards. It is a stage for gathering evidence, exposing failure modes, calibrating rules, and establishing the threshold for public testnet.

8. Open Questions and Participation

Lattikros aims to validate the network in devnet with:

- Developers building trading agents, strategy-execution systems, or trading tools.
- Traders with real market-making, quantitative, or autonomous-trading experience.
- Operators interested in high-performance nodes, network operations, and security testing.
- Developers interested in trading infrastructure, incentive design, and the EVM ecosystem.

The most important open question is not whether rewards appear high enough. It is what rules can continually encourage better agents, stronger human trading ability, and healthier liquidity in a real market while remaining understandable, reviewable, and free from centralized discretion.

9. Disclaimer

This document describes Lattikros product direction, research hypotheses, and development roadmap only. It is not an offer, sale, solicitation, investment recommendation, or return commitment for securities, tokens, or any other assets. The protocol, governance, rewards, tokens, compatibility scope, and network-launch plans may change after development, testing, security review, legal and compliance assessment, and community discussion.

Human and agent classifications serve only protocol reward and statistical design. They do not certify real-world identity, degree of automation, trading ability, or future returns.