

Lithosphere Prepares Mainnet Infrastructure for Cross-Chain Agentic Execution and Web4 Coordination

The AI-native Layer 1 ecosystem advances mainnet infrastructure designed to connect autonomous execution, cross-chain interoperability, and coordinated agent activity across Web4 environments.



Singapore, Singapore Sep 28, 2026 ([Issuewire.com](https://www.issuewire.com)) - [Lithosphere](#) is preparing its mainnet infrastructure for cross-chain agentic execution and Web4 coordination, advancing the network architecture required for autonomous applications to operate across decentralized environments. The development brings together AI-native execution, identity, discovery, and interoperability as Lithosphere continues progressing toward broader mainnet deployment.

Lithosphere's architecture is designed to support intelligent applications that require more than conventional blockchain transaction processing. Through Lithic, the ecosystem provides an AI-native execution framework for agent-driven activity, while MultX extends coordination across blockchain networks to support applications operating beyond a single-chain environment.

PPAL persistent identity and DNNS decentralized naming and discovery provide additional infrastructure for autonomous agents to maintain recognizable identities and locate resources across distributed systems. LEP100 further supports structured agent activity, while LITHO connects utility and participation throughout the ecosystem.

Preparing these components for mainnet operation strengthens Lithosphere's foundation for cross-chain workflows where autonomous systems can execute tasks and coordinate activity across connected

networks. The approach reflects the broader requirements of Web4 environments, where intelligent applications may interact continuously across multiple decentralized services.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that cross-chain agentic systems require execution and coordination infrastructure designed to work together from the network level. According to Kasr, preparing Lithosphere's mainnet architecture around these capabilities creates a stronger foundation for autonomous applications operating across interconnected Web4 ecosystems.

About

Lithosphere is an AI-native Layer 1 blockchain platform developed by KaJ Labs to support intelligent decentralized infrastructure. Through Lithic, PPAL, DNNS, MultX, LEP100, and LITHO, the platform supports scalable execution, persistent identity, decentralized discovery, cross-chain interoperability, and autonomous coordination for Web4 ecosystems.

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