

AI-Native Blockchain Lithosphere Advances Identity, Discovery and Cross-Chain Coordination After Mainnet

Following its mainnet and LITHO TGE milestones, Lithosphere prioritizes connected Web4 services through PPAL, DNNS and LEP100 while progressing MultX infrastructure.



London, United Kingdom Oct 23, 2026 ([Issuewire.com](https://www.issuewire.com)) - [Lithosphere](https://lithosphere.network), the AI-native Layer 1 blockchain ecosystem developed by KaJ Labs, is advancing its post-mainnet infrastructure priorities around programmable identity, decentralized service discovery and cross-chain coordination. Following the October 13 public mainnet launch and October 15 LITHO Token Generation Event, the focus is shifting toward how these components can support connected applications and autonomous activity in a production network environment.

The work centers on infrastructure that allows software agents and decentralized applications to identify participants, locate services and act within defined permissions. Lithosphere has developed PPAL for privacy-aware, persistent identity and DNNS for decentralized naming and discovery, with the goal of reducing reliance on disconnected identity records and external service directories.

PPAL is designed to provide a consistent identity reference for applications and autonomous agents across repeated interactions. DNNS complements that identity layer by enabling applications to discover and resolve services within the network architecture. Together, the components are intended to help developers build workflows where an agent can find a service and determine whether an interaction is authorized.

Lithosphere's LEP100 standards framework provides a broader structure for execution, verification and

agent-oriented coordination. Linking identity and discovery to verifiable activity is increasingly important for applications that perform multiple steps without direct human involvement, particularly where developers need to trace permissions, actions and outcomes.

MultX remains part of Lithosphere's cross-chain coordination roadmap. Its intended role is to connect supported networks and asset workflows through verified routing and settlement mechanisms. Broader migration and cross-chain availability will depend on the relevant infrastructure becoming operational, together with published technical and security requirements; no additional route or token migration is being announced as live through this update.

The network's execution stack includes Lithic and LithoVM alongside EVM compatibility, providing different pathways for developers building AI-native applications and conventional smart contracts. With public mainnet operational, attention is moving toward practical developer integration, reliable validator participation and clearer connections among execution, identity, discovery and settlement.

Lithosphere plans to continue refining documentation, service integration paths and ecosystem support as network usage develops. Future product availability and cross-chain rollout details will be communicated through official channels once the corresponding technical work and reviews are completed.

About Lithosphere

Lithosphere is an AI-native Layer 1 blockchain ecosystem developed by KaJ Labs for Web4, autonomous agents, intelligent applications, and cross-chain digital infrastructure. Its technology stack is designed to support execution, identity, coordination, verification, wallet access, settlement, interoperability, and developer activity across connected decentralized systems.

Website: <https://lithosphere.network>

Media Contact

KaJ Labs

*****@kajlabs.com

8888701291

4730 University Way NE 104- #175

<https://kajlabs.com>

Source : Kajlabs

[See on IssueWire](#)

