

Lithosphere Advances Lithic as AI-Native Execution Infrastructure for Autonomous Web4 Agents

The AI-native Layer 1 platform strengthens Lithic to support verifiable execution and coordinated activity for autonomous agents operating across Web4 environments.



London, United Kingdom Aug 31, 2026 ([Issuewire.com](https://www.issuewire.com)) - [Lithosphere](#) is advancing Lithic as AI-native execution infrastructure designed to support autonomous Web4 agents operating across decentralized environments. The development strengthens Lithosphere's broader architecture for intelligent applications that require structured execution, verification, identity, and cross-network coordination.

Lithic serves as an execution component within the Lithosphere ecosystem, providing infrastructure for AI-driven applications and autonomous agents to carry out computational tasks within defined decentralized environments. Its development aligns with the growing need for execution systems capable of supporting agent activity while maintaining predictable and verifiable operational pathways.

Within Lithosphere's wider architecture, Lithic works alongside PPAL persistent identity, DNNS decentralized naming and discovery, MultX cross-chain coordination, LEP100 standards, and LITHO utility. Together, these components establish a framework through which autonomous agents can be identified, discover resources, coordinate across networks, and execute activity within Web4 ecosystems.

As autonomous applications become more capable, execution infrastructure must support interactions that extend beyond traditional user-initiated blockchain transactions. Lithosphere's continued

development of Lithic focuses on creating an AI-native foundation that can accommodate persistent agent workflows and increasingly complex machine-driven activity.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that autonomous agents require execution infrastructure designed around the operational demands of intelligent systems. According to Kasr, Lithic strengthens Lithosphere's foundation for supporting verifiable and coordinated agent activity as Web4 ecosystems continue to evolve.

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 delivers scalable execution, persistent identity, cross-chain interoperability, and autonomous coordination for Web4 ecosystems.

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