

Lithosphere Advances AI-Native Execution for Autonomous Applications

The AI-native Layer 1 blockchain platform strengthens intelligent execution infrastructure to support autonomous applications and scalable Web4 ecosystems.



Singapore, Singapore Aug 9, 2026 ([Issuewire.com](https://www.issuewire.com)) - [Lithosphere](#) has advanced its AI-native execution infrastructure to strengthen support for autonomous applications operating across decentralized environments. The latest development expands the platform's ability to provide intelligent execution, persistent identity, verification, and cross-chain coordination as its Web4 ecosystem continues to grow following the Pre-TGE.

At the center of the infrastructure is Lithic, Lithosphere's execution framework for supporting intelligent decentralized applications. Combined with PPAL persistent identity, DNNS decentralized naming, MultX cross-chain coordination, LEP100 standards, and LITHO utility, the architecture provides an integrated environment where autonomous applications can execute and coordinate activity across blockchain networks.

The advancement strengthens Lithosphere's infrastructure for applications that require continuous execution and interaction between users, smart contracts, and autonomous agents. By bringing execution and coordination technologies together, the platform provides developers with a foundation for building scalable AI-native applications without fragmenting core ecosystem functions.

Lithosphere continues developing its Layer 1 infrastructure around practical utility and interoperable technologies following its Pre-TGE activation. The focus remains on supporting applications that can

operate intelligently across decentralized environments while maintaining verifiable execution and consistent identity.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that autonomous applications require infrastructure designed around more than transaction processing. According to Kasr, combining intelligent execution with identity, verification, and cross-chain coordination creates a stronger foundation for applications operating across emerging Web4 ecosystems.

About

Lithosphere is an AI-native Layer 1 blockchain platform developed by KaJ Labs to support intelligent decentralized infrastructure. Through technologies including 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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