

Lithic Expands zk-Verified AI Infrastructure for Global Decentralized Systems

The blockchain infrastructure platform enhances zero-knowledge verification systems to support scalable, trustless AI execution across global decentralized environments.



Seattle, Washington Apr 22, 2026 ([IssueWire.com](https://www.IssueWire.com)) - [Lithic](#), a blockchain platform focused on integrating artificial intelligence with decentralized infrastructure, has expanded its zk-verified AI infrastructure to strengthen how intelligent systems operate across global networks. The enhancement focuses on enabling secure, verifiable AI execution while maintaining privacy and trustless validation across distributed environments.

The infrastructure integrates zero-knowledge (zk) verification mechanisms into AI workflows, allowing computations to produce outputs that can be independently validated without exposing underlying data. This approach ensures that decentralized applications can leverage AI-driven processes while preserving confidentiality and maintaining transparency across blockchain ecosystems.

By embedding zk-based validation into its infrastructure, Lithic supports scalable AI execution across cross-border and multichain environments. The framework enables developers and organizations to deploy intelligent systems that can operate reliably across decentralized networks while ensuring that outputs remain verifiable and consistent.

[J. King Kasr](#), Chief Scientist at KaJ Labs, emphasized that zk-verified infrastructure is essential for scaling decentralized AI systems globally. According to Kasr, combining privacy-preserving verification with intelligent automation enables secure and efficient deployment of AI across distributed ecosystems.

This expansion aligns with the broader transition from Web3 infrastructure toward Web4 systems architecture, where verifiable AI execution, privacy-preserving computation, and interoperable frameworks form the foundation for scalable and globally coordinated decentralized systems.

About

Lithic is a blockchain infrastructure platform focused on integrating artificial intelligence with decentralized technologies to support secure, automated, and verifiable computation across digital ecosystems.

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