

Lithic Establishes Zero-Knowledge AI Execution for Enterprise-Grade Applications

The blockchain infrastructure platform introduces zero-knowledge AI execution systems to enable secure, verifiable, and privacy-preserving computation across decentralized environments.



Singapore, Singapore Apr 2, 2026 (IssueWire.com) - Lithic, a blockchain platform focused on integrating artificial intelligence with decentralized systems, has established zero-knowledge AI execution to support enterprise-grade applications requiring secure and verifiable computation. The framework combines AI-driven processing with zero-knowledge (zk) cryptographic techniques, enabling validation of outputs without exposing sensitive data.

The zero-knowledge execution system allows AI models to process inputs and generate results while producing cryptographic proofs that confirm correctness. This ensures that enterprises can rely on AI-driven operations while maintaining privacy, security, and compliance across decentralized infrastructures.

By embedding zk verification into AI workflows, Lithic enables decentralized applications to execute complex computations in a trustless manner. This approach supports use cases that demand both automation and confidentiality, including data-sensitive operations, enterprise analytics, and secure decision-making systems.

[J. King Kasr](#), Chief Scientist at KaJ Labs, emphasized that zero-knowledge AI execution is essential for scaling enterprise adoption of decentralized technologies. According to Kasr, combining verifiable

computation with privacy-preserving mechanisms allows organizations to leverage AI securely while maintaining trust in decentralized systems.

The development aligns with the broader transition from Web3 infrastructure toward Web4 systems architecture, where verifiable AI execution, intelligent automation, and interoperable infrastructure form the foundation for scalable, enterprise-ready decentralized ecosystems.

About

Lithic is a blockchain infrastructure platform focused on integrating artificial intelligence with decentralized technologies to support secure, automated, and verifiable computation for enterprise and decentralized applications.

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