

Lithosphere Enables Persistent Identity for Onchain Agents via PPAL

The AI-powered blockchain platform introduces persistent identity infrastructure to support autonomous agent coordination across decentralized Web4 environments.



London, United Kingdom May 11, 2026 ([Issuewire.com](https://www.issuewire.com)) - [Lithosphere](#), an AI-driven blockchain infrastructure platform, has enabled persistent identity systems for onchain agents through PPAL, strengthening how autonomous systems operate across decentralized ecosystems. The framework is designed to provide agents with verifiable and continuous identity structures that support long-term coordination and interaction within blockchain environments.

The PPAL-based identity infrastructure allows autonomous agents to maintain persistent operational states across decentralized applications and networks. By enabling continuity in identity and interaction history, Lithosphere supports more reliable coordination between intelligent agents, smart contracts, and decentralized systems.

This approach enhances how onchain agents manage workflows, permissions, and interactions across distributed environments. Persistent identity also supports scalable interoperability by allowing autonomous systems to maintain consistent behavior and verifiable engagement across blockchain ecosystems.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that persistent identity infrastructure is essential for advancing autonomous onchain systems. According to Kasr, enabling agents to maintain verifiable identities across decentralized networks supports more adaptive and scalable Web4 coordination

models.

The development aligns with the broader transition from Web3 infrastructure toward Web4 systems architecture, where persistent identity, autonomous coordination, and intelligent decentralized infrastructure form the foundation for next-generation digital ecosystems.

About

Lithosphere is an AI-powered blockchain platform designed to support scalable decentralized applications through intelligent automation, advanced validator infrastructure, and interoperable blockchain technologies.

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