

# Lithosphere Strengthens PPAL for Privacy-Aware Identity Across Agentic Web4 Applications

The AI-native Layer 1 ecosystem advances its persistent identity infrastructure to support privacy-aware coordination and trusted interactions across autonomous Web4 environments.



**Seattle, Washington Sep 10, 2026 ([Issuewire.com](https://www.issuewire.com))** - [Lithosphere](#) is strengthening PPAL as privacy-aware identity infrastructure for agentic Web4 applications, advancing the framework through which autonomous systems can maintain persistent identity while coordinating activity across decentralized environments.

PPAL serves as the persistent identity layer within Lithosphere's broader AI-native architecture. Its development addresses the growing need for autonomous agents to maintain recognizable identities across interactions without relying entirely on conventional centralized identity frameworks.

As agentic applications expand, identity becomes increasingly important for maintaining continuity between autonomous systems, services, and decentralized networks. Privacy-aware identity infrastructure can provide applications with structured ways to associate activity with persistent identities while supporting interactions designed around decentralized participation.

PPAL operates alongside Lithic AI-native execution, DNNS decentralized naming and discovery, MultX cross-chain coordination, LEP100 standards, and LITHO utility. Connecting these components enables Lithosphere to bring identity together with discovery, execution, verification, and interoperability within a unified Web4 infrastructure framework.

The advancement reinforces Lithosphere's focus on building foundational infrastructure for autonomous applications where intelligent agents may interact continuously across different networks and services.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that persistent identity is an important component of trusted coordination between autonomous systems. According to Kasr, strengthening privacy-aware identity infrastructure provides agentic applications with a more structured foundation for maintaining continuity across decentralized Web4 environments.

## 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 supports scalable execution, persistent identity, decentralized discovery, cross-chain interoperability, and autonomous coordination for Web4 ecosystems.

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