

Lithosphere Expands DNNS Naming Layer for Autonomous Agent Discovery

The AI-powered blockchain platform enhances its DNNS infrastructure to improve autonomous agent discovery, identity resolution, and interoperability across Web4 ecosystems.



Seattle, Washington Jul 7, 2026 ([Issuewire.com](https://www.issuewire.com)) - [Lithosphere](https://lithosphere.network), an AI-driven blockchain infrastructure platform, has expanded its Decentralized Name and Navigation System (DNNS) to strengthen autonomous agent discovery across Web4 ecosystems. The enhancement is designed to simplify how intelligent agents, decentralized applications, and users identify, locate, and interact with one another across distributed blockchain environments.

The upgraded DNNS naming layer provides a structured identity and navigation framework that enables autonomous agents to operate more efficiently across multichain networks. By improving name resolution and digital identification, Lithosphere supports faster coordination and more reliable communication between intelligent systems participating in decentralized operations.

The expanded infrastructure also strengthens interoperability by enabling consistent identity mapping across blockchain ecosystems. This allows decentralized applications and AI-powered agents to discover trusted counterparts while maintaining persistent identity and seamless interaction across interconnected networks.

As autonomous systems continue to play a larger role in blockchain innovation, Lithosphere is investing in infrastructure that supports scalable coordination and intelligent execution. The enhanced DNNS

framework complements the platform's broader vision of creating AI-native Web4 ecosystems built on decentralized identity, agent collaboration, and cross-chain connectivity.

[J. King Kasr](#), Chief Scientist at KaJ Labs, noted that intelligent discovery infrastructure is becoming increasingly important as autonomous agents become more active across decentralized environments. According to Kasr, robust naming and identity systems provide the foundation for trusted interaction and scalable coordination throughout Web4 ecosystems.

The initiative aligns with the broader transition toward Web4 systems architecture, where decentralized identity, autonomous coordination, and interoperable infrastructure support the next generation of intelligent blockchain applications.

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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