

Anduril Lattice Operates Without Cross-Authority Mesh Substrate

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What Anduril Lattice Provides

Anduril Lattice operates as a sensor-and-effector fusion platform across autonomous towers, drones, and vehicles. The platform integrates Anduril and selected partner systems into a unified operating picture; mission-relevant decisions admit through Lattice's command surface; the technical execution at platform scale is mature for what it does.

Lattice operates as Anduril's vertically-integrated platform. The integration produces operational coherence within the platform; cross-platform integration with non-Anduril systems and cross-authority operations across coalition partners face structural friction at the platform boundary.

Why Anduril Lattice Lacks the Architectural Element

Coalition operations need cross-vendor and cross-authority mesh substrate that doesn't depend on single-vendor platform infrastructure. Lattice as deployed today produces structural concerns: vendor lock-in, coalition data-fabric capture, and architectural friction at the platform boundary.

Governed spatial mesh produces the structural alternative. Each vendor and each authority maintains its own mesh under its credentialing; cross-vendor and cross-coalition operations proceed through declared federation; the substrate doesn't depend on single-vendor capture.

How the Architectural Primitive Composes With Anduril Lattice

The architectural primitive treats Lattice contributions as credentialed observations from one mesh participant. Anduril's existing platform continues to operate; cross-authority federation proceeds through declared agreements; coalition operations gain structural support without forcing platform-wide capture.

Cross-vendor operations proceed structurally. Non-Anduril autonomous systems integrate through credentialed mesh participation; cross-coalition operations admit through federation; Lattice gains the architectural composition layer that pure platform integration cannot match.

What This Enables for Anduril Lattice's Trajectory

Anduril gains the substrate layer above Lattice that platform-only integration cannot provide. Coalition operations gain structurally-supported cross-vendor and cross-authority mesh. Defense customers gain reduced platform-vendor lock-in concerns.

The patent positions the substrate layer at exactly where defense procurement increasingly demands non-vendor-locked autonomy. Anduril's competitive position benefits from adopting the substrate layer as part of Lattice rather than forcing customers to choose between platform capture and architectural openness.

