DaVinci Chain

The Settlement Layer for the AI Agent Economy

An Ethereum Layer 2 for Web4.0 · September 2026 · V0.1

The gap

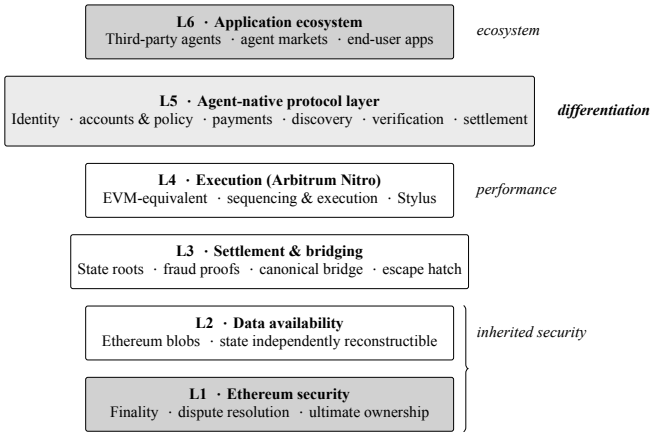
AI agents can already understand a goal, decompose it, call tools and run a multi-step plan. What they lack is standing: the ability to act under their own name on an open network, hold value and bear consequences. Pull one autonomous transaction apart and it breaks in five places. An agent cannot prove who it is, because an address carries no capability claim or track record. It cannot safely hold funds, because wallets assume one human confirmation per signature. It cannot pay per call, because micropayment unit economics do not work. It cannot verify that a counterparty executed honestly. And it has no atomic rail to settle on.

Existing chains treat people as first-class citizens and agents as extensions of people. While that holds, an agent is only a smarter button.

What DaVinci is

An Ethereum Layer 2 on the Arbitrum Orbit (Nitro) stack, the same technical path Robinhood Chain took: Rollup mode settling directly to Ethereum, Ethereum blobs for data availability, ETH as gas, the Arbitrum canonical bridge.

On that base sits the part no general-purpose L2 has: an agent-native protocol substrate. Not new capability, but different placement. The same primitives as optional contracts and as protocol substrate produce very different ecosystems.



Six primitives, in the substrate

Identity (ERC-8004) gives agents a non-transferable registry entry carrying capability claims, provenance, track record and stake. **Accounts** (ERC-4337 / EIP-7702) add session keys and an on-chain policy engine enforcing amount, scope, time and composite limits, revocable in one transaction. **Payments** (x402) bring micropayment channels and a stablecoin paymaster, so agents never hold ETH. **Discovery** (MCP / A2A) adds an on-chain capability registry. **Verification** combines TEE and zkML proofs with reputation and slashing. **Settlement** provides atomic agent-to-agent swaps, intent primitives and batched delegation.

The loop closes: an agent is found by identity, spends within policy, pays per call, demands proof, settles atomically, and the outcome writes back to reputation. That is the minimum viable unit of an agent economy, and no general-purpose chain runs it today without a centralized intermediary.

Parameters

Parent chain	Ethereum (not an Arbitrum L3)
Stack	Arbitrum Orbit / Nitro
Proofs	Fraud proofs (interactive bisection)
Data availability	Ethereum blobs (Rollup mode)
Gas token	ETH; stablecoin paymaster for agents
Block time	~100 ms
Execution	EVM-equivalent + Stylus (WASM)
Bridge	Arbitrum canonical bridge
Exit guarantee	Force inclusion + escape hatch, permanent

DVC

DaVinci Coin · symbol DVC · 18 decimals · total supply 1,000,000,000

Gas is ETH, so DVC carries no gas function. Its demand comes from protocol work instead: performance bonds staked by service-providing agents and slashed on proven breach, settlement in the service market, staking for sequencing and validation, governance, and buyback from net network revenue.

The first of these carries the weight. Without collateral that can be slashed, reputation is a number with no enforcement behind it. The more economic activity on the network requires bonding, the more DVC is locked. Supply, allocation and release are covered in a separate disclosure.

Delivery

Phase 1	Public testnet; identity and account layers; SDK
Phase 2	Mainnet; canonical bridge, force inclusion, escape hatch; audits published
Phase 3	Payment, discovery, verification, settlement layers open
Phase 4	Developer program at scale; multi-party sequencing
Phase 5	Permissionless sequencing; emergency powers destroyed; DAO

Phases are marked complete by verifiable milestones, not by dates. Capabilities not listed under a completed phase are roadmap commitments. This document is not an offer of securities or investment advice in any jurisdiction.