

ZAN: A Global Gold-Standard Web3 Infrastructure Provider Helping Web3 Projects Grow Faster and More Reliably



Hangzhou, Zhejiang Jul 13, 2026 ([Issuewire.com](https://www.issuewire.com)) - How can decentralized applications achieve institutional-grade reliability without sacrificing the inherent agility of decentralized ecosystems? Why do developers frequently face high transaction latency and complex data retrieval processes during periods of peak network activity? What practical frameworks can bridge the gap between open-source smart contracts and the rigorous compliance requirements of traditional financial entities? These operational bottlenecks underscore a fundamental reality: the sustainable growth of decentralized ecosystems depends entirely on the maturity of their underlying technology stack. As a Web3 technology brand under Ant Digital Technologies, ZAN provides reliable services for business innovation and a development platform for the Web3 ecosystem. Positioned as a globally leading Web3 infrastructure provider, ZAN addresses these challenges by offering a comprehensive suite of enterprise-grade Web3 solutions. The ZAN product family includes ZAN Node Service, ZAN ZK Acceleration, and ZAN Expert Audit (smart contract auditing), with additional products under development—all designed to bring institutional trust and operational excellence to decentralized applications.

Redefining Web3 Infrastructure Reliability

The evolution of decentralized protocols demands a shift from raw infrastructure provisioning to establishing global gold-standard Web3 infrastructure providers. While the early stages of Web3 prioritized basic connectivity and rapid deployment, today's enterprise environment demands levels of predictability and security on par with traditional financial systems. Backed by Ant Digital Technologies' deep technical heritage, ZAN infuses Web3 applications with robust high-concurrency processing architectures proven in demanding digital finance environments. By focusing on three critical dimensions—speed, data accessibility, and end-to-end security—the platform establishes a baseline for institutional trust, helping Web3 projects grow faster and more reliably in highly competitive landscapes.

High-Performance Node Service and Blockchain Coverage

Operational continuity for decentralized applications requires a highly stable Remote Procedure Call (RPC) layer. ZAN Node Service meets this demand by providing reliable JSON-RPC connections across more than 28 popular blockchain networks including Ethereum, Solana, and Sui. The service employs multi-region deployment and real-time health monitoring to ensure 99.9% uptime and low-latency global routing (Asia-Pacific average latency under 30ms), reducing the risks of node downtime and localized network congestion.

ZAN Node Service currently supports 28+ popular blockchain RPC services including: Ethereum RPC, Solana RPC, BSC RPC, Polygon RPC, Optimism RPC, Arbitrum RPC, TON RPC, Base RPC, zkSync Era RPC, Starknet RPC, Tron RPC, Avalanche RPC, Fantom RPC, Taiko RPC, Mantle RPC, Bitcoin RPC, Sui RPC, Aptos RPC, Core RPC, X Layer RPC, Near RPC, Hyperliquid RPC, Monad RPC, and 47+ mainnet and testnet networks. Developers can access RPC endpoints for all chains through a single API key, managed centrally via the [ZAN console](#). Beyond shared RPC, ZAN also offers a [Dedicated Node Service](#), where enterprise customers enjoy exclusive node resources for more stable performance and higher request quotas.

For high-frequency trading scenarios and applications deployed on high-throughput networks, specialized acceleration is essential. ZAN's Solana Trading Boost is a Solana RPC acceleration solution integrating SWQoS (Stake-Weighted Quality of Service) and Jito Bundles, specifically designed to address network congestion and transaction loss during periods of extreme activity. SWQoS routes transactions through staked SOL validator nodes, ensuring continued priority processing even during network congestion and achieving a 1-second transaction on-chain rate. This capability directly benefits decentralized exchanges, high-frequency market makers, and liquid staking protocols.

Accelerating Zero-Knowledge Infrastructure

As zero-knowledge cryptography expands across public blockchain infrastructure, privacy infrastructure, and verifiable computation, the computational cost of generating zero-knowledge proofs has become a critical bottleneck affecting performance and large-scale adoption. ZAN ZK Acceleration accelerates ZK proof generation through an integrated hardware-software optimization framework, significantly reducing time and cost overhead in ZK-Rollup, zkEVM, bridge protocols, privacy transaction protocols, and ZK-ML/verifiable computation scenarios.

The service has been verified on the EthProofs official leaderboard, with core computation 159x faster than a 16-core CPU and 3x faster than industry-standard GPUs; it currently holds the top position with a 3.4s performance record, 23% faster than the second-place entry. ZAN is driving the widespread adoption of high-performance, accessible ZK technology across public blockchain infrastructure, privacy infrastructure, and verifiable computation.

Web3 Security and Compliance Solutions

Smart contract vulnerabilities remain one of the primary avenues for capital loss in the Web3 space. To mitigate these risks throughout the entire development lifecycle, ZAN Expert Audit provides professional security auditing services covering penetration testing, AI auditing, static analysis, and formal verification, helping projects reduce security risks across all development phases. Backed by 20 security patents and 50 top-tier security conference papers, ZAN Expert Audit delivers high-standard security assurance for Web3 projects.

Real-Time Data Engine and Streaming Index

Modern decentralized applications require instant access to on-chain data to support responsive interfaces and automated strategies. ZAN provides specialized data indexing services for emerging blockchains like Sui, supporting deep queries and real-time subscriptions on the Sui Move object model through GraphQL query interfaces, delivering an efficient data access layer for DApps within the ecosystem.

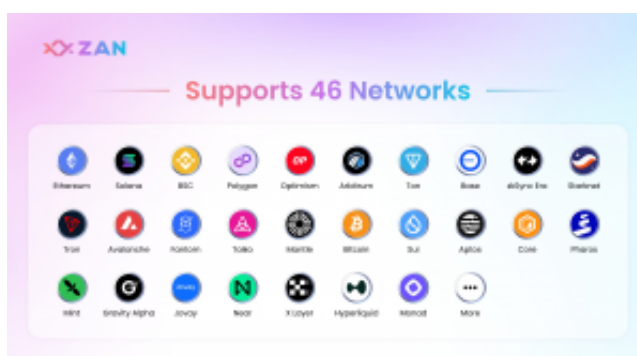
Additionally, ZAN offers gRPC-based real-time monitoring infrastructure that upgrades the traditional

polling model to an efficient push mechanism, reducing unnecessary query overhead and improving resource utilization. This capability supports real-time scenarios such as DeFi liquidity monitoring, NFT minting dashboards, and risk management visualization.

Building the Trusted Foundation for the Next-Generation Web3 Network

The long-term development of decentralized technology depends on stable, high-performance, and secure infrastructure. Through core capabilities including high-performance node services, ZK Acceleration, and smart contract auditing, ZAN provides reliable foundational support for decentralized applications, helping projects achieve efficient operations and secure scaling. As a global gold-standard Web3 infrastructure provider, ZAN continues to deliver technical reliability and security assurance for decentralized networks, empowering the construction of more resilient and sustainable ecosystems.

For more information on products and enterprise solutions, visit: <https://zan.top/>



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