

PERFORMANCE REPORT

Solana Validators Performance

April 2025 Report

Blockdaemon is the #1 staking provider for institutions, offering secure, risk-mitigated rewards across 50+ blockchain networks. We are entrusted with \$10B staked assets and deliver 99.9% uptime. This monthly report contains trends about the current Solana ecosystem and metrics on Blockdaemon's Solana validator performance comparing it to the network averages. This does not include data on white label validators.

Market data provided by:

Blockdaemon APIs and Rated.network

- Blockdaemon empowers Fortune 500 enterprises, banks, custodians, and trusts with secure blockchain infrastructure, including nodes, staking, wallet, and DeFi products.
- We are ISO 27001 Certified — The Gold Standard of Information Security Management Systems in managing and securing sensitive data through structured security controls.
- Blockdaemon's standard of compliance includes OFAC compliance.



Market Overview

Blockdaemon's overall average (Protocol Reward Rate) PRR for April was 9.18%.

- April 2025 saw significant price action for Solana (SOL), which traded between \$96.59 and \$156.05, concluding the month at \$147.64.
- Solana's 24-hour trading volume averaged roughly \$9.3 billion, marking a 1.85% increase from March.
- Solana's block compute limit increased from 48 million to 50 million compute units (CU).



April Protocol Reward Rate (PRR)

Blockdaemon
PRR Average

9.18%

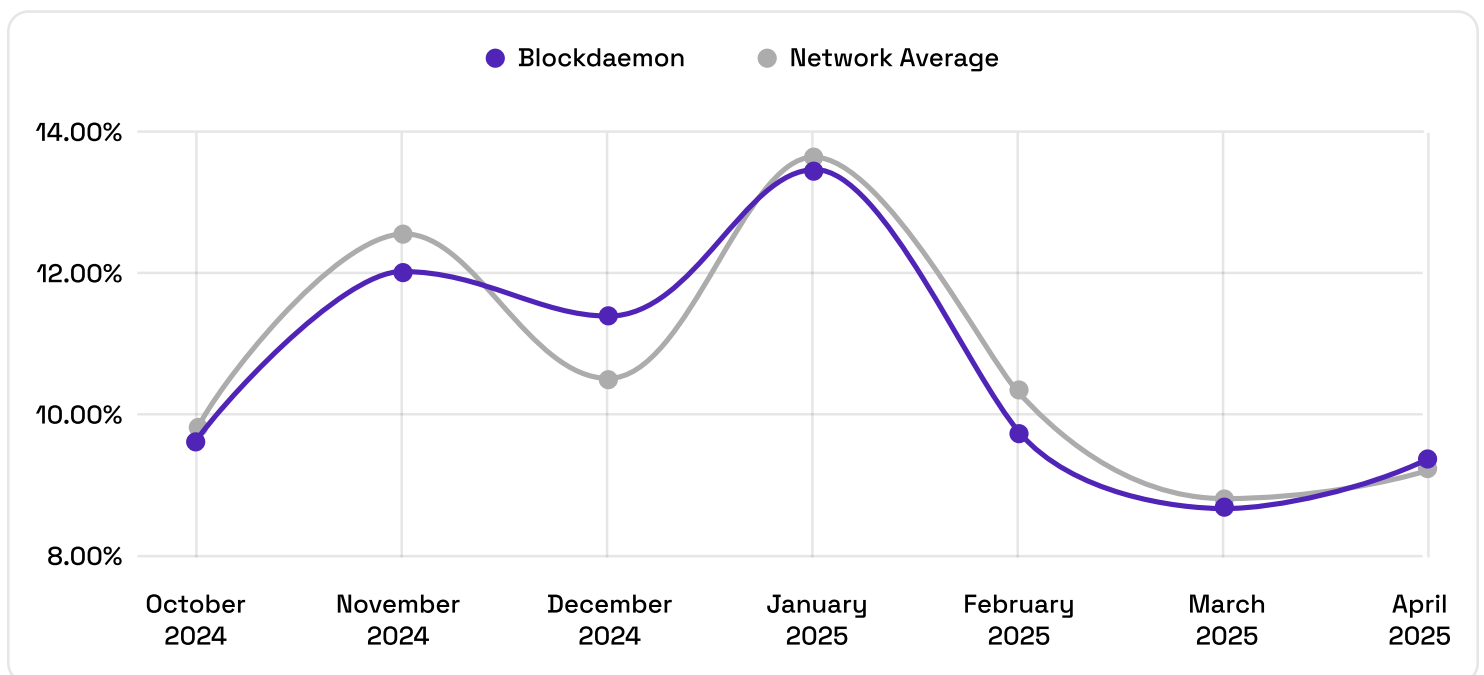
Network
PRR Average

9.13%

PRR (Protocol Reward Rate): An estimate of the protocol reward rate based on past SOL staking data. It does not guarantee future results. Blockdaemon uses our own **Staking Rewards Reporting and rated.network** to track the PRR of all SOL validators Blockdaemon currently operates. PRR is calculated per epoch using basic APY formula: $(\frac{365}{\text{days in epoch}} * \text{Gross Commission} + \text{Fees Earned in Epoch}) / \text{Total Delegated for Epoch}$.

Reward rates rebounded modestly, interrupting the downtrend observed since January.

The lift aligns with network throughput gains following the SIMD-0207 upgrade deployed on 14 April, which raised the per-block compute limit and streamlined complex transaction execution, improving confirmation stability.





Solana Ecosystem Update

April 2025 was an important month for the Solana ecosystem. It was marked by a critical security response, significant adjustments in validator dynamics, ongoing debates surrounding network economics, and notable institutional activities. While the ecosystem demonstrated resilience and continued innovation, challenges related to decentralization, client diversity, and regulatory clarity persist.



Validator Landscape & MEV-driven Rewards

Validator Landscape & MEV-driven Rewards: The Solana Foundation's new "one in, three out" rule under its Delegation Program (SFDP) **removes three Foundation-funded validators** for every new entrant. Maximal Extractable Value (MEV) capture has also become more important for enhancing rewards, offsetting falling protocol inflation. MEV is becoming a key differentiator in staking reward performance.



Economic Policy Debates & LST Staking Rewards

Discussions on Solana's monetary policy, including [Galaxy Research's new MESA voting proposal](#) for inflation adjustments, may influence stakers' rewards. Institutional adoption of Liquid Staking Tokens (LSTs) offers institutions greater capital efficiency and MEV-boosted rewards, but introduces additional smart contract and de-pegging risks to consider.



Institutional Inflows & Regulatory Overhang on Staked Value

Increased institutional investment signals positive long-term network value, potentially benefiting the USD value of staked SOL. Conversely, [Grayscale's Solana ETF filing](#), while bullish, faces uncertainty from the SEC's unresolved stance on SOL as a potential unregistered security.



Staking Stability & Resilience

Continued testing of the Firedancer validator client is critical for improving client diversity. That diversity reduces the network's reliance on one dominant client, important for mitigating systemic risks like chain halts or widespread slashing events.



Ecosystem Growth, Fees & SOL Price

Robust growth in sectors like DePIN and high DApp revenue contribute to network activity. This can translate to increased transaction fee volume and MEV opportunities, potentially boosting reward rates over time. However, SOL token price volatility, partly due to the FTX liquidation overhang, directly impacts the fiat value of staked assets and rewards.

Staking with Blockdaemon



0 Slashing events
last 12 months



100%
machine uptime



99.9%
protocol uptime



Custom deployment
solutions



Slashing
Guarantee



24/7
Support



Solana Firedancer Overview

Firedancer is Jump Crypto's clean-slate rewrite of Solana's validator in C/C++, built to make the chain both faster and more resilient. By stripping out legacy bottlenecks and splitting critical functions into isolated modules, it raises transaction capacity while ensuring that a single software bug can't halt the network. The hybrid "Frankendancer" version has run smoothly on mainnet since late 2024, and full Firedancer remains in testnet as of May 2025, with a production rollout slated later this year. For SOL stakers, that means a second enterprise-grade client, stronger network uptime guarantees, and headroom for the next wave of on-chain activity.

[Read Full Article](#)

Staking with Blockdaemon

Public Rated.network view of Blockdaemon's Validator



Blockdaemon 🧱👾 Validator

TOTAL AMOUNT STAKED

1.3M SOL

NET PENETRATION

0.33%

DELEGATED APY

7.93%

RAVER

100%

EFFECTIVENESS BREAKDOWN

VOTING EFFECTIVENESS

100%

PROPOSER EFFECTIVENESS

99.9%

VOTING LATENCY

1.042

Why Choose Blockdaemon?

Risk Mitigation, Security & Crypto Optimized Infra

- Proactive Security
- 24/7 Monitoring
- Vulnerability Management
- High Availability & Privacy By Default

Adherence to Highest Level of Compliance

- ISO 27001 Certified
- Proactive Leaders in Crypto Organizations
- Compliant with GDPR, UK GDPR, US (CCPA, etc)
- On-chain behavioral indicators and risk scoring

Chat with us today to
discuss your staking options.

[BOOK A MEETING](#) 🔗

