



Stacks STX

Token type	Native Currency
Price	\$1.81
GCCS Classifcation	Blockchain Accelerators, Infrastructure, Native Currency
Sector	Blockchain Accelerators

Key Figures

52-Week Range	\$0.59-\$3.72
Market Rank	#38
Market Capitalization	\$2.71B
Volume (24h)	\$81.46M
Circulating Supply	1.49B STX
Max Supply	1,818,000,000
Total Value Locked (TVL)	\$105.55M
Annualized Staking Yield	8.60%
ATH	\$3.72
ATH Date	April 1, 2024

Source: CoinGecko, DeFiLlama, Artemis Data as of October 25, 2024

Overview

Stacks offers the first integrated solution for building decentralized applications (dApps) and deploying smart contracts secured directly by Bitcoin, transforming Bitcoin into a versatile base layer similar to Ethereum but with unmatched security and decentralization. Originally proposed in 2017, Stacks extends Bitcoin's capabilities with a unique Proof of Transfer (PoX) consensus model that links it directly to Bitcoin's blockchain. Through PoX, participants called Stackers lock STX and commit BTC to mint new blocks, earning BTC rewards while securing both networks thereby creating an economic bridge between both networks. This synergy enables a new wave of Bitcoin-secured dApps.

With the Nakamoto upgrade now fully live, Stacks delivers faster transaction speeds, and Bitcoin-anchored finality, and introduces a decentralized two-way peg via sBTC—unlocking BTC for DeFi applications on Stacks. With over \$100 million in TVL, Stacks is broadening Bitcoin's role beyond a store of value, driving demand for more complex Bitcoin transactions. This model contributes to Bitcoin's long-term security as BTC issuance nears its 2140 end date, positioning Stacks as a foundational layer in Bitcoin's future evolution.

- May 2019: Muneeb Ali co-publishes the Stacks whitepaper, introducing the PoX consensus mechanism and Clarity, Stacks' programming language for secure, predictable smart contracts.
- September 2019: The Stacks Foundation (formerly Blockstack) raises over \$23 million through the first-ever SEC-qualified token offering, positioning STX as a regulated digital asset.
- December 2022: The Stacks Foundation proposes the Nakamoto release, aimed at introducing a decentralized, trustless two-way peg between sBTC and BTC while allowing 100% of Bitcoin's hash power to secure the Stacks network.
- March 2024: The Nakamoto upgrade is approved by the Stacks community and moves through a rigorous testnet phase.
- October 2024: The Nakamoto upgrade reaches full activation at Bitcoin block #867,867, unlocking enhanced speed, security, and programmability for Bitcoin-secured applications on Stacks.

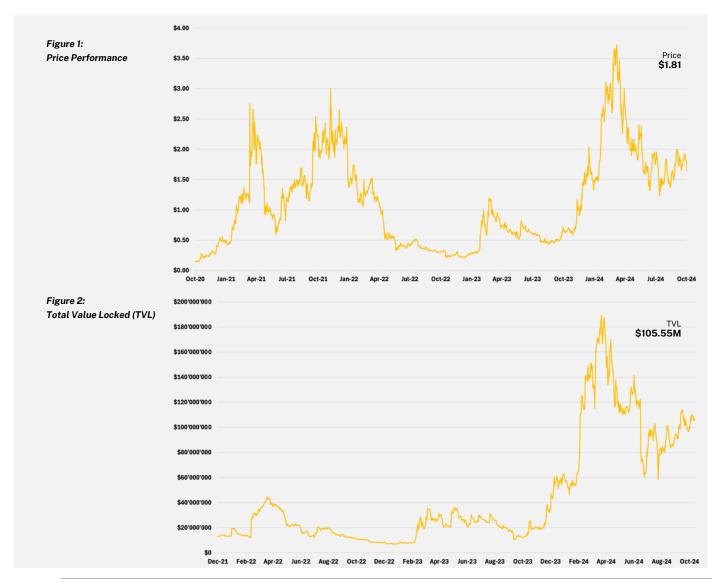
Key takeaways

- Stacks aims to build a smart contract application layer connected to and secured by the Bitcoin network.
- Stacks' vision is to **unlock Bitcoin's \$1 trillion in idle capital**, expanding its use cases beyond a store-of-value asset.
- Currently valued at \$ 2.71 billion.

Risk factors

- Network Security: Although anchored to Bitcoin, Stacks operates on its own security budget, which could leave it more vulnerable to 51% attacks. The Nakamoto upgrade mitigates some risks by strengthening Bitcoin-anchored transaction finality.
- sBTC peg: Stacks' decentralized peg for BTC relies on a network of signers to authorize BTC movements, which may be targeted by attackers. Maintaining signer security will be critical as usage grows.
- Competitive Landscape: Competition from projects like Merlin, Core, Rootstock, and BitVM, each vying to unlock Bitcoin's potential in DeFi and scalability which may impact Stacks' market share.





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