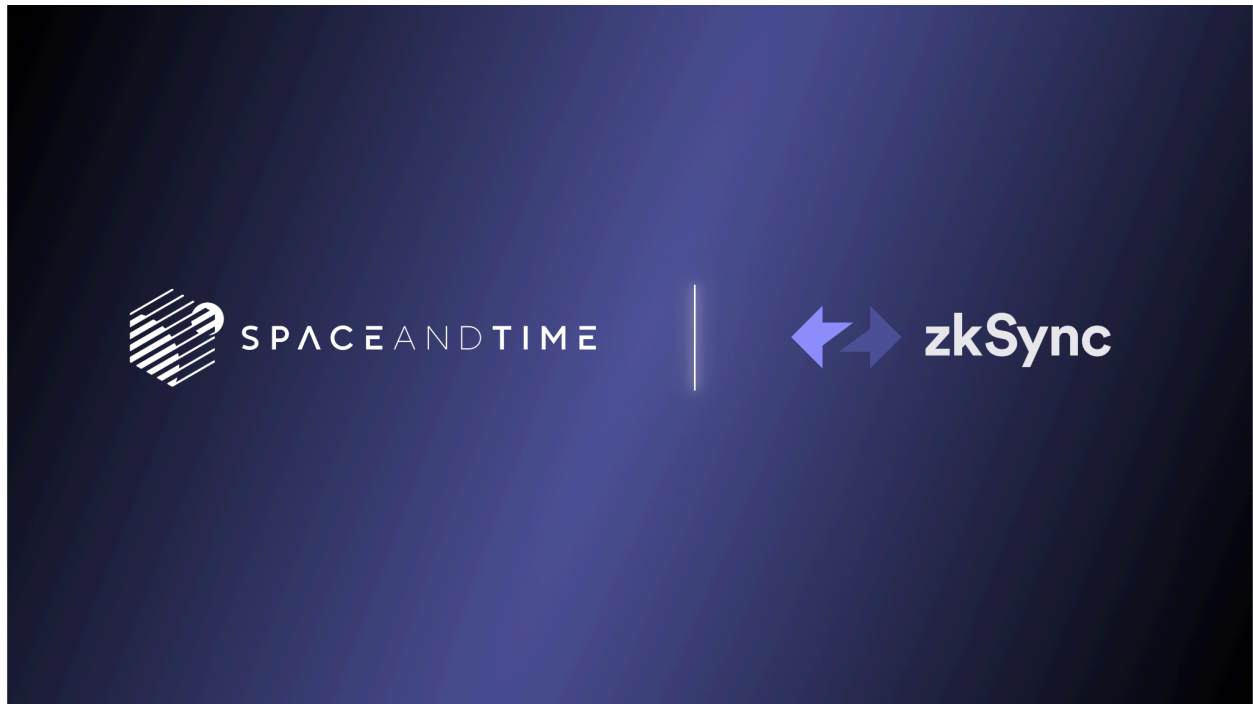


[EMBARGO: Wednesday, 3/14/24 at 9:00 AM US Eastern Time]



SxT and zkSync Write the Next Chapter in Verifiable Compute for Web3

Space and Time will build a ZK Stack hyperchain and natively integrate its ZK technology with zkSync to extend its decentralization while aggregating and analyzing data from any source to produce verifiably tamperproof results.

March 14, 2024—[Space and Time](#) (“SxT”), the Verifiable Compute Layer for AI x Blockchain, and Matter Labs, a software development, engineering, and cryptography company developing software for zkSync, today announced a strategic collaboration. SxT will launch its network on a zkSync hyperchain. The data warehouse will operate as a zero-knowledge proof-powered Verifiable Compute Layer, that delivers trustless data processing to smart contracts, LLMs, and enterprises.

Transparency and integrity of data are essential in Web2, a necessity that has become even more critical in the trustless environment of Web3. The addressable market for [trust-minimized applications](#) is in the trillions of dollars, and providing the core infrastructure to Web3 developers is crucial for scaling the space and meeting developer demand. SxT allows users to pair their indexed blockchain data with custom and/or proprietary offchain datasets, aggregate/analyze/query them, and send the data back to smart contracts.

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In essence, SxT ensures that data accessed through its warehouse is accurate, verifiable, and tamperproof, which can then be used to train complex artificial intelligence (AI) models. Its decentralized data warehouse is a hybrid transactional and analytic database where real-time data indexed from major blockchains is combined with off-chain datasets provided by customers and ZK proofs are leveraged to prove integrity.

Combining two of the leading technologies in ZK, SxT building on zkSync will serve as a catalyst for further innovation in the space, encouraging the development of new protocols, applications and use cases.

SxT will build and launch a hyperchain on ZK Stack, which will be the dedicated end-case computation environment for all of SxT's operations, regardless of the origin chain. This hyperchain will act as:

- **The dedicated settlement layer for the SxT network:** zkSync offers secure and efficient transaction processing to the SxT network.
- **The hub chain for all SxT network TVL:** SxT plans to accept payments for compute in various tokens and will settle liquidity on zkSync.
- **A record of hashes of all SxT tables:** Tables in SxT will be hashed to the hyperchain to create a tamper-proof audit trail of data stored on the SxT network.

In addition to leveraging zkSync's tech stack to deploy its own interoperable ZK-powered blockchain, SxT will add additional features to the zkSync ecosystem:

- **Make verifiably indexed zkSync data available to the community:** SxT will provide verifiable indexed zkSync data, both from zkSync Era and hyperchains, to developers free of charge, making it easier than ever to build verifiable, data-driven dapps on zkSync. Unlike other solutions, developers that use SxT only pay for the compute used to execute ZK-proven queries, rather than storage of the indexed data itself.
- **Deliver sub-second ZK proofs to zkSync smart contracts:** With SxT, a contract on zkSync can ask any question about transactions, events, or wallets on zkSync or other popular chains. SxT will allow ZK-proven query results against zkSync data and offchain data to be connected back to zkSync smart contracts within block time.
- In addition, the two research teams are exploring how to natively integrate SQL capabilities into the zkEVM stack, making zkSync the first SQL-compatible smart contract platform.
- **Deliver** terabytes of TradFi market data to smart contracts on zkSync: Space and Time will allow zkSync smart contracts to access, aggregate, and analyze verifiable data from traditional financial markets to facilitate more sophisticated DeFi that leverages offchain data.

"Space and Time introduces two novel ideas: a decentralized data warehouse and the Proof of SQL protocol, which together serve as the foundational Verifiable Compute Layer for Web3. This, in combination with the Space and Time hyperchain, will enable zero knowledge-based

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verification of queries/data and ensure that community-operated data warehouse nodes are not manipulating raw data or the query results. We're excited to partner with SxT and advance our shared vision of offering developers sophisticated, data-driven, cross-chain smart contracts," said Vassilis Tziokas, Head of Enterprise Business Development at Matter Labs.

SxT has also established itself as a leader in the ZK space. Recently, they announced the open-source release of [Blitzar](#), the GPU acceleration framework powering Proof of SQL, SxT's novel ZK proof. Blitzar has allowed SxT to accomplish what many have previously deemed impossible: delivering the first sub-second ZK proofs onchain.

"We believe that scaling Ethereum is imperative, and we're excited about the L2 landscape. Given our commitment to ZK, we knew we wanted to leverage a zkEVM as our network's dedicated settlement layer. zkSync is best-in-class in fulfilling the vision of trustless L2s, offering extremely fast and low-cost ZK-proven transactions. We're excited to welcome zkSync developers to the SxT ecosystem," said Scott Dykstra, Co-Founder and CTO of SxT.

About zkSync

zkSync is cutting-edge zero-knowledge (ZK) technology to scale Ethereum and bring crypto to the mainstream — reaching millions of developers and billions of people in need of a technological solution for achieving progress and prosperity. Deeply rooted in its mission to advance personal freedom for all, the zkSync blockchain network makes digital self-ownership universally available. It is trustless, secure, reliable, censorship-resistant, privacy-preserving, hyperscalable, accessible, and sovereign.

To learn more about zkSync, visit www.zksync.io.

About Space and Time

Space and Time is the first AI-powered decentralized data warehouse that joins tamperproof onchain and offchain data to deliver enterprise use cases to smart contracts. Space and Time has developed a novel cryptography called Proof of SQL that allows developers to connect analytics directly to smart contracts, opening up a wealth of powerful new use cases and business logic on blockchain technology. Space and Time is built from the ground up as a multichain data platform for developers in financial services, gaming, DeFi, or any project requiring verifiable data across enterprise, blockchain and AI.

For more information, visit: [Website](#) | [Twitter](#) | [Discord](#) | [Telegram](#) | [LinkedIn](#) | [YouTube](#) | [GitHub](#)

For media inquiries, please contact: Catherine Daly, marketing@spaceandtime.io