

SandBlock aims to harmonize the existing financial system by providing financial infrastructure, operations and services focusing on new means of cooperation that involve digital forms of money.

It does so by bringing together the existing partners and solutions and ensuring their co-operation and interoperability. SandBlock Ecosystem is formed a balanced partner network defined by their role: SandBlock Core, Sand Vault, Sand Bank, Sand Identity, Sand Liquidity, along with its open governance standards ensured by SandBlock Foundation.



Sand Vault

Sand Vault is the partner for digitising assets to be used within the ecosystem. It acts as a crypto custody service helping new assets to be easily deployed on the blockchain.



Sand Bank

Sand Bank represents a digital payment proxy institution bridging the gap between fiat and crypto currency operations.



Sand Identity

Sand Identity partners operate as verified KYC providers and issue KYC assets for specific user wallets.



Sand Liquidity

A verified trustline with direct access to crypto pools provides the direct feed of orders for selected markets from the Sand Bank providers.



Sand Audit

Sand Auditors focus on regulatory compliance, like Anti-Money Laundering (AML) procedures.

ASSETS

All Assets (tokens) have embedded security mechanisms allowing users to:

- Issue/buy-back new Assets via standardised interface in SandBlock Protocol
- Peg the rate of the newly issued Asset to Sand Coin as a guarantee fund (for ICOs and IEOs reaching their Soft-Cap)
- Embed the requirement for KYC into the issued Asset
- Define security roles: Sand-backed conversion rate (guarantee to convert), that allow Asset issues to request transaction rollbacks, and that request should be approved by x% of authority nodes

DUAL-COIN SYSTEM

Dual-coin blockchain system works in a way where one crypto asset takes the role investment/stabilisation of the blockchain and active participation in the consensus while the other functions as a day-to-day transactional currency. By dividing the currency into two structures, SandBlock can split the incentives between investors and buyers in this way providing stability for the blockchain POA consensus mechanism and allowing predictable transaction fees.

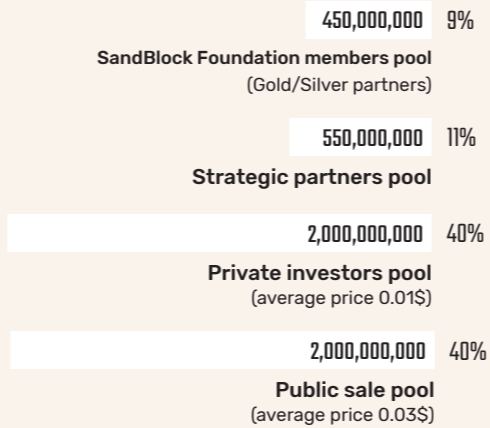


SAND COIN

As a means of exchange Sand will be used throughout the blockchain ecosystem.

TOTAL SUPPLY
5,000,000,000

COIN DISTRIBUTION



DUST COIN

Dust Coin is a secondary coin used to pay for all transactions/actions on the blockchain.

- Sand Coin transfer costs - **1 Dust**
- Any Asset transfer costs - **2 Dust**
- Data / message transactions cost **1 Dust** for x bytes of message body

SANDBLOCK PUBLIC NETWORK

SandBlock Protocol addresses all existing difficulties that end-users, businesses, merchants, developers and enterprises face on Bitcoin (mother of all blockchains), including but NOT limited to: prolonged transaction confirmation periods, slow performance, bugs and issues with handling of wallets and addresses, complexities with UTXOs. It is using SandBlock Protocol based on Proof of Authority Consensus algorithm.

OPEN GOVERNANCE

The governance and strategic development of the Ecosystem is defined by community vote and by the elected members to Board of Directors and Technical committees. SandBlock foundation aims for maximum transparency providing all the information about the governance, meetings and strategic decisions online.

SANDBLOCK FOUNDATION

SandBlock Foundation is established so that technical decisions are in the hands of ethical technical leaders who put the interests of the projects and the foundation ahead of all else.

The Foundation Mission: To provide users with a reliable blockchain-based distributed platform they can rely on to realize their blockchain needs. SandBlock foundation is committed to Protect and Empower the SandBlock community, including users, developers, and the entire ecosystem.

CONTRIBUTION

Contribution plans are defined in a separate document listing all the available plans to join the SandBlock Foundation becoming gold and silver partners. SandBlock Foundation actively support individual contributions to established technical projects and user groups where any member can join freely on existing development projects or suggest new projects for SandBlock.

SANDBLOCK NODE DELIVERS FEATURES TO END USERS AS FOLLOWS

- Authority/Validator Nodes that conduct all block mining in the blockchain with a maximum of 25 nodes which are controlled by gold / silver partners. They have strict hardware / network / power requirements to ensure maximum blockchain performance and stability.
- Economic/Participant Nodes act like regular Nodes on the network with the possibility to submit transactions and perform other native actions on the blockchain that are confirmed instantly with new blocks submitted to the blockchain.
- Zero knowledge startup as a single binary with the lowest barrier for anyone to join
- Cross compatible with other protocol engines Bitcoin, Ethereum, SandBlock as the native options
- Join existing public networks or to set up own private network with permission and role based system
- Provides blockchain explorer capabilities to navigate publicly available information on the network
- Configurable and scalable mode of operation acting as Server, Agent and Network acting as a Wallet, Network service or full blockchain node
- Acts as information gateway for value adding services in ecosystem: Vault, Bank, Identity, Audit, Liquidity
- Works as a wallet with no need to do full-chain synchronization
- Issuing and managing assets as a built-in functionality
- Sending and signing transactions including: multi-sign addresses, stop transaction addresses, westable addresses
- B2B DEX functionality to navigate markets and submit buy/sell orders
- Pluggable enterprise-grade authentication mechanisms starting from simplest token-based authentication enhanced by: Username+Password, 2FA (between multiple-controlled nodes), SSO, certificate-based auth, HSM for key storage and signatures
- Standard interface with Web UI, CLI, REST API
- Customizable UI with build-your-own interface branding options

Email address

arturas@sandblock.com

Wechat

@svirskis

Website

www.sandblock.com

