

StreamFlow Finance

Light Paper

September 2021



Payment and fundraising products to grow the Solana and Serum
ecosystems

About this document

This document aims to provide the reader with a better perspective of StreamFlow's vision, mission, guiding principles, and tools. It is not finalised and will likely evolve as StreamFlow evolves. Notable changes will be recorded at the end of the document.

Introduction

Distributed ledger technology is still in its early phase. Whether the use case is trading, decentralized finance and programmable money, digital art and NFTs, decentralized forms of governance, tokenized assets, supply chains or anything else — tools are needed to overcome the technology and complexity gaps.

Tools that are accessible to all and prioritize a fantastic user experience, whoever the user might be. Those tools will help onboarding 1 billion users to the blockchain.

Vision and Mission

Blockchain has enabled some breakthroughs that weren't possible before without a trusted intermediary. Concepts like **programmable money** and truly decentralized and **democratic governance** can be guaranteed by the auditable software, minimizing the need for trust and removing one or several intermediaries from the interaction between participants.

Our vision is to bring adoption of those breakthroughs, first to crypto, and later to traditional (non-crypto) businesses and organizations.

Our mission is to facilitate growth of teams and organizations with a suite of payment and fundraising-related products and let them (businesses) focus on their own business.

Guiding Principles

Tools we build are open-source, as we believe in “co-opetition” (both cooperation and competition), working towards the common goal of bringing more people “on chain”. Making source code available allows developers to learn and advance their tools, which, in turn, will bring more people to the chain.

This transparency is nurtured and valued at all levels, not just the code.

We opted for building on Solana due to its fast transaction confirmation times, very low fees, and great underlying technology. However, we intend to integrate/build our tools on other performant chains, as well.

Initial product suite

- Stream payments
- Token vesting
- Batch & Multisig payments
- ...more to come

Stream payments

A streaming payment (or simply – a **Stream**) represents a progressively released payment. Temporarily “locked” liquidity in the escrow account can utilize lending protocol to earn interest.

This simple concept opens a path to building many different payment solutions:

- A progressive payroll model where a salary is received more often than once or twice a month, which is a status quo.
- Risk- and trust-minimized trial periods.
- Donations and fundraising where donors/investors have an option to withdraw from the project if expectations are not met.
- “Pay per usage” – appropriate for a variety of services billed per time unit. Consulting, live events & concerts, audio/video content subscriptions, bike or property renting, or even parking.

These are just some of the main use cases we’ve identified, but there are surely many others.

The screenshot displays the StreamFlow application interface. At the top, the StreamFlow logo is visible. Below it, the 'My Wallet Account' section shows a Solana address and a balance of 4267.780577015 SOL. To the right, the 'My Streams' section shows a completed stream from 2021-06-07 01:48 to 2021-06-07 01:48, with a recipient address, a streamed amount of 1500.00 SOL, and a withdrawn amount of 1500.00 SOL. The bottom section contains input fields for creating a new stream, including Amount (1,337), Token (SOL), Recipient Account, Start Date (07.06.2021), Start Time (13:16), End Date (07.06.2021), and End Time (13:16). A 'Stream!' button is at the bottom.

Interface of a stream payments MVP developed during the Solana Season hackathon

Token Vesting

Each new project planning to raise funds via token allocation and/or to retain talent would benefit from this product.

This product is open-source (thus **auditable** and **verifiable**), programmable, trust-minimized, and with the option to **transfer** contract beneficiary.

We are exploring options to make vesting contracts **tradeable** via a decentralized, non-custodial escrow service.

Batch & multi-signature payments

Simple, elegant solution for one-to-many payments of arbitrary amounts of any SPL tokens. With cross-chain bridges, tokens from other chains (such as Ethereum's ERC-20) are easily supported as well.

In addition to this, this product includes vaults with the option to execute multi signature payments, suitable for DAOs and/or organizations with a common treasury.

Bundled with the streaming payments, **this is a complete payroll solution** for crypto native teams and beyond.

Token

Note: token and tokenomics are being drafted.

STRM is a DAO governance token that accrues value from all of the products outlined in this document, as well as the future ones.

Large percentage of fees across the product suite, as well as a percentage of the yield earned from lending the locked liquidity (via stream payments) will be used for [buyback & make](#) of the **STRM** token.

Tokens that are bought back are removed from circulation and put into the DAO-controlled treasury for future development, marketing, business and operational efforts.

About us

We're a team of versatile and experienced software builders exploring application of blockchain technology with the focus on payments and decentralization in various forms. Additional information could be found on [our website](#).