

StreamFlow Finance Light Paper

September 2021



Solana's payment and fundraising product suite

About this Document

This document aims to provide the reader with an overview 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 existing complexity and the technological gaps. Not everyone is an elite hacker comfortable with the command line interface, and we need easy-to-use interfaces to make the most of blockchain technology.

The blockchain space requires tools that are accessible to all and provide a great user experience, whoever the user might be. Those tools will help the onboarding of 1 billion users.

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 auditable software, minimizing the need for trust and removing one or several intermediaries from interactions between participants.

Our vision is to bring adoption of those breakthroughs with all the benefits they provide, such as better time and capital efficiency, first to crypto, and later to traditional (non-crypto) businesses and organizations.

Our mission is to facilitate the growth of teams and organizations with a suite of payment and fundraising products that let businesses focus on their own business rather than the infrastructure needed to support it.

Guiding Principles

The tools we're building are open-source, as we believe in simultaneous 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 blockchain.

This transparency is not just reflected in the code but is nurtured and valued at all levels.

We opted to build on Solana due to its fast transaction confirmation times, extremely 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

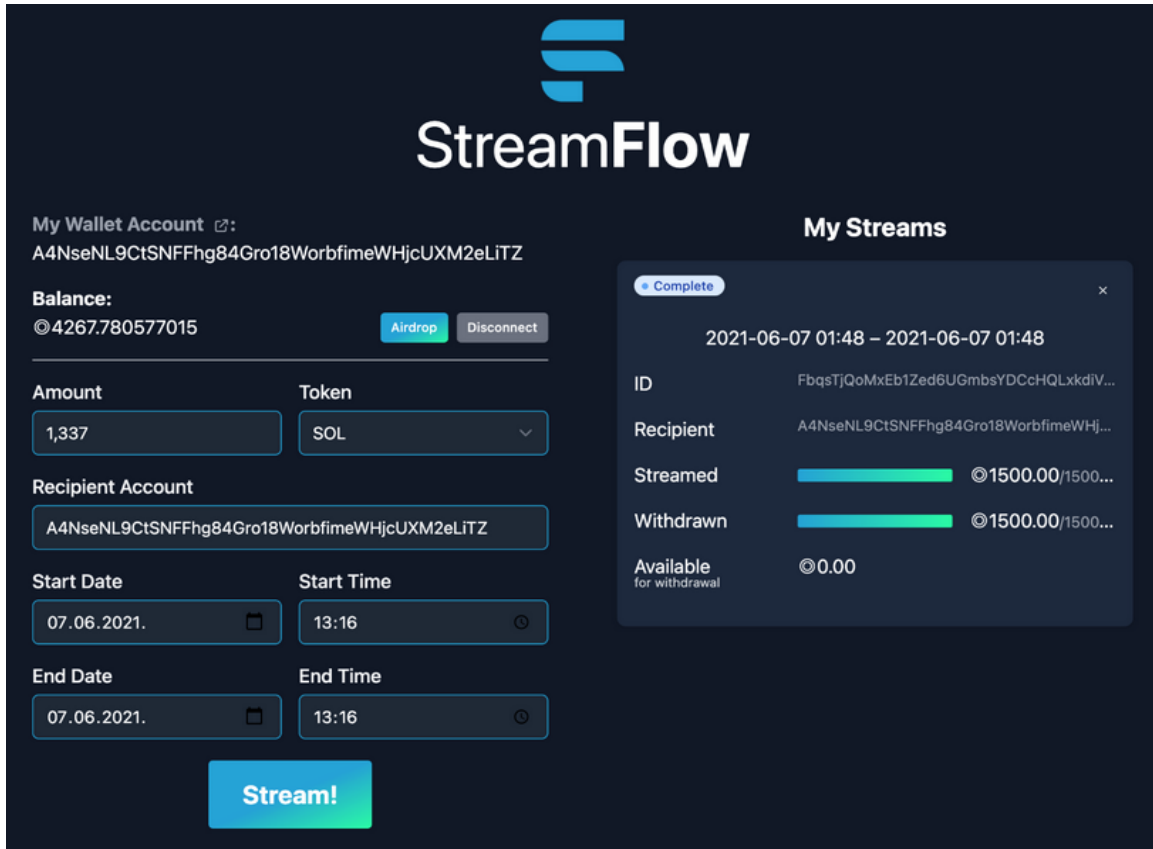
Stream Payments

A streaming payment (or simply a **stream**) represents a progressively released payment. Temporarily “locked” liquidity in escrow accounts can utilize lending protocols 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 the 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.



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

Token Vesting

New projects planning to raise funds via token allocation and/or to retain talent would benefit from this product.

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

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

Batch & Multi-Signature Payments

A 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

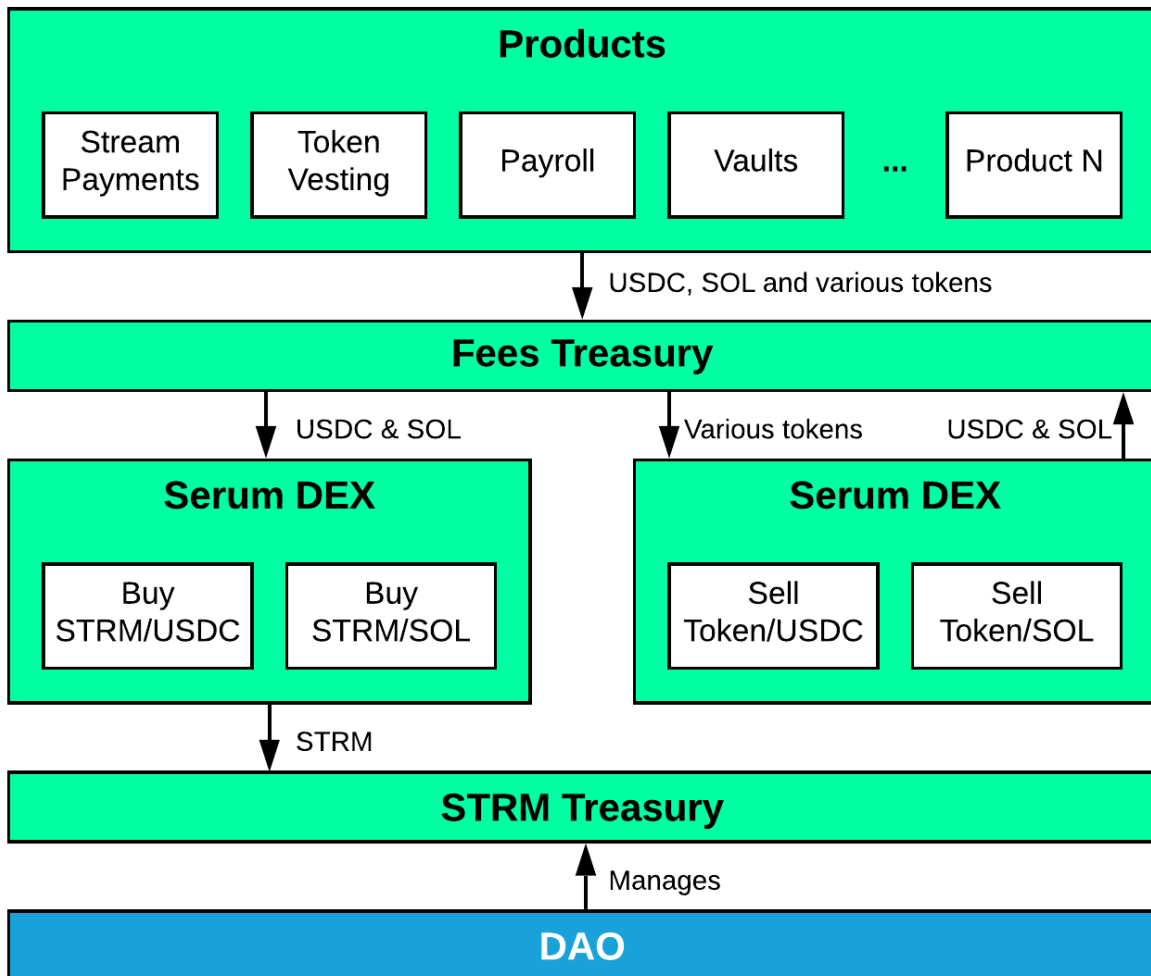
Note: token utility and tokenomics are being drafted, the following section is not finalized.

Our products charge a percentage-based fee per each transaction. There are multiple fee tiers and staking **STRM** reduces fees on a platform.

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

All of the 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 applications of blockchain technology with the focus on payments and decentralization in various forms. Additional information can be found on [our website](#).

Changelog

21/9/21 - STRM token new utility: staking STRM reduces fees in a tiered fee system; added a diagram explaining the business model and how STRM token accrues value.