

Streamings & Vesting | POTLOCK

The objective is to build a robust framework for continuous project funding as opposed to single payments. This framework can serve as a recurring support payment and a primitive for the continuous allocation of tokens.

Some use cases include

- Token Vesting contracts for investors and employees (Carta of Web3)
- Continuous streaming for payroll or patronage to software dependencies
- Subscriptions for software services and content creators
- DAO managed payouts with lockups

Requirements

Important to note, the main difference between streaming and vesting is really just the time scale from seconds to days / months.

- Streaming type
 - Vesting
 - Continuous Stream
 - Other allocations rather than linear like Exponential, x2
 - Choose time interval or other variables and add tooltip
- Optional options for cliff. A cliff is a period where payments don't start.
 - Can specify a date or time until cliff
 - Cliff may have associated payout
- Query stream for
 - Type
 - Amount Streamed
- Stream
 - Total amount
 - Total time
 - Streaming rate (visualize it). Usually implies seconds as opposed to vesting
 - Adding to stream
- Vested
 - Number of payments vs number of tokens
- Allow for fungible token support for each
- Revokes
 - Whether stream is locked or revocable. Can stop and get money back out.
Trigger get money back and show how much money back
 - Possible change streaming rate <- this can assist with terms as losing
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- Check whether someone is sending you an active stream
 - Example: subscription service, check which tier someone paid you

- In future stream to a split (a list with percentage allocations) -> might need contracts for this (inspired by splits.org)

UX

Create Vesting / Stream (could live out on modal)

- Specify continuous payment
- Specify max amount (total) and currency
- Specify time scale of intervals
- Specify if there is a cliff and a payout associated with cliff
- Decide when the payment starts after certain amount of time (known as cliff)

ability to stake iff with NEAR (low priority)

show fees associated with this

Show confirm transactions

allowed to set allocation based on allocation list <--- maybe allocation list is a different primitive to save

Project Page

- Show status of stream. How does this display page
- should show ongoing streams in new tab (this should be underfunding)
- specify stream or vesting, for vesting show which number of payment
- completed streams / vesting
- typed, scheduled payouts vs continuous, whether cliff start or active payments. Show total amount
- In total streamed amounts should be promised / streamed

My Payments

- Filter locked vs unlocked

Expand on Payment

- If by creator
- Add to stream / vesting amount? Show how this would change payrate
- Show graph overtime of payment type - payment id

Questions

- Do we need global streams?
- Where to see ongoing payments
 - Could be on going payments tab. Or could show in the order based on how recent it was. Example 5/8 payments for this
- What about adding to payment stream or vesting
 - For streaming could there be adding. Editable on page

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- What about splits?
 - Splits are a type of configuration of list with percentages
- Whether there are claims from projects?
 - As ux would change for this.

Card

Create Vesting / Stream Payouts

- Specify continuous payment
- can be at intervals
- Decide when payment starts after certain amount of time (known as cliff)
- Specify total amount in total amount of time
- Anyone can set this payment
- ability to stake iff with NEAR (low priority)
- show fees associated with this
- allowed to set allocation based on allocation list ← maybe allocation list is a different primitive to save

Card

See Ongoing Payment OWN PAGE → view more from preview of ongoing payments tab on project

- See how much has been paid
- See who created payment
- If someone create this, they can stop payments
- If vested and not continuous stream, show payment period
- For streaming or vesting could cancel payment with reason

Card

See My Payments

- Show my payment and streams
- Maybe better to navigate from navbar
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Card

Project Page

- should show ongoing streams in new tab
- completed streams / vesting
- typed, scheduled payouts vs continuous, whether cliff start or active payments. Show total amount
- In total streamed amounts should be promised / streamed

Card

Global Streams

- Show all global streams
- See to which projects
- Filter by the most amount

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Total time
If vesting be like number of payouts

Then in vesting it calculates when payouts would start and happen and how often in preview and in streams it would show when start a complete

You can see my streams, it would show contours with cliffs and whether allowed to revoke to which proejct

Add this to payouts section where it would show continuous payouts and active and a progress over time

Figma

Inspiration

- Token Vesting via [Magna.so](https://magna.so) (not on NEAR)
- NEAR Finance for Vesting
- ON NEAR; Roke.to
- Drips.network <https://drips.network>
- Superfluid for Streaming on Ethereum
- Hedgey <https://hedgey.finance/>
- <https://www.liquifi.finance/>
- Streamflow on Solana <https://linktr.ee/streamflow>
- Splits <https://splits.org/>