Challenge Task: Streamed Payment

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Streamed payment

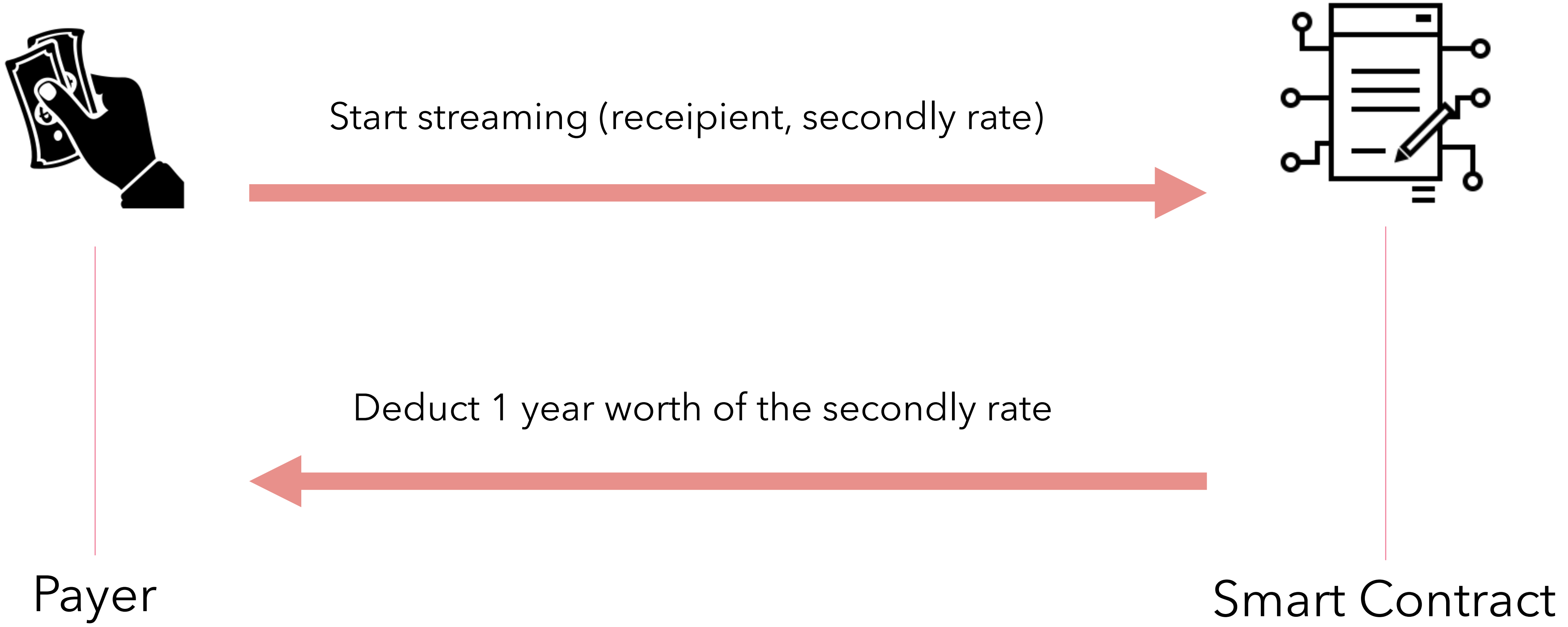
Payment as a constant stream

Instead of a fixed intervall (e.g. end of month) the payment is paid as a constant stream

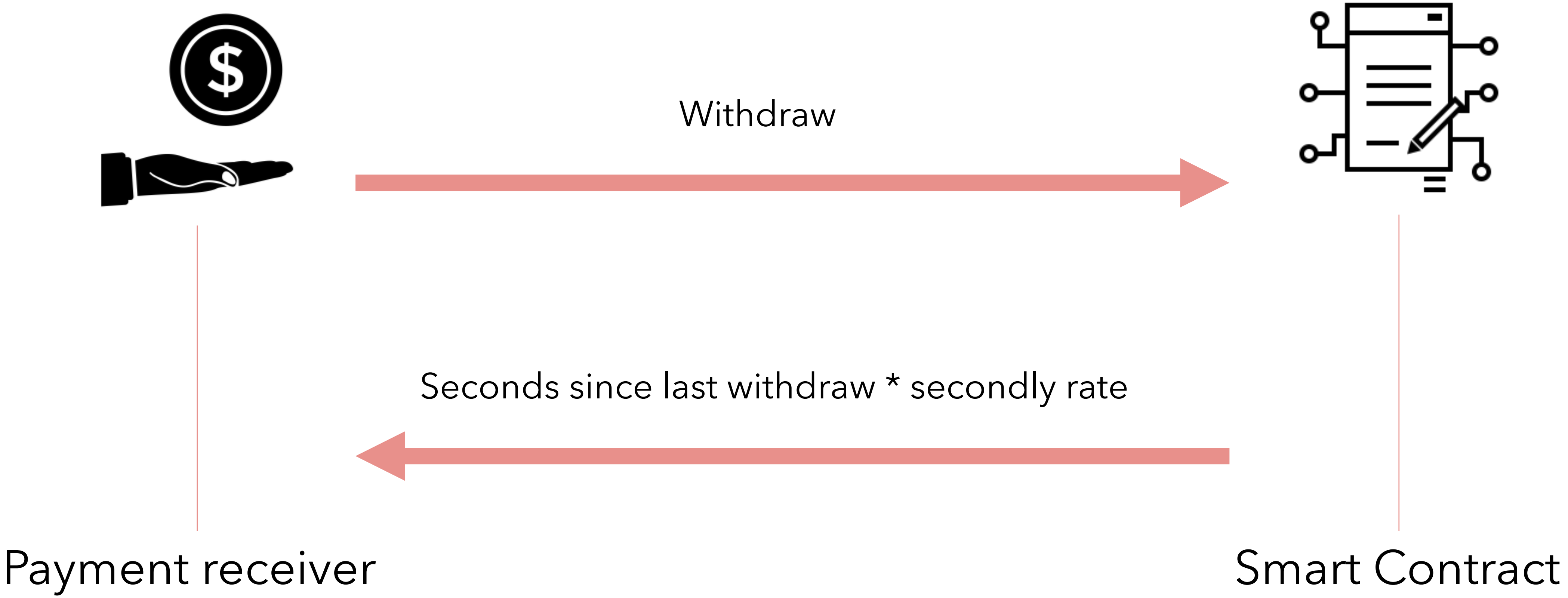
Withdraw on demand

Payment receiver can withdraw at any time and will receive the amount he is owed at that moment in time

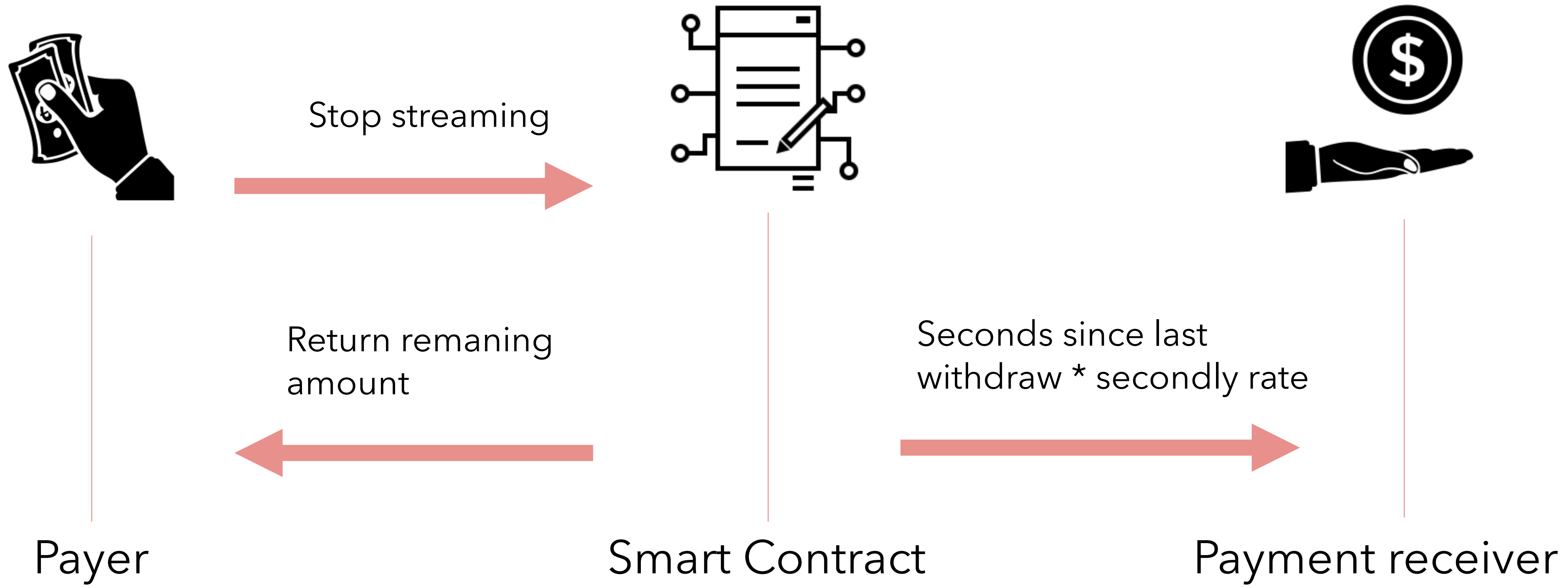
Process – Start streaming (by payer)



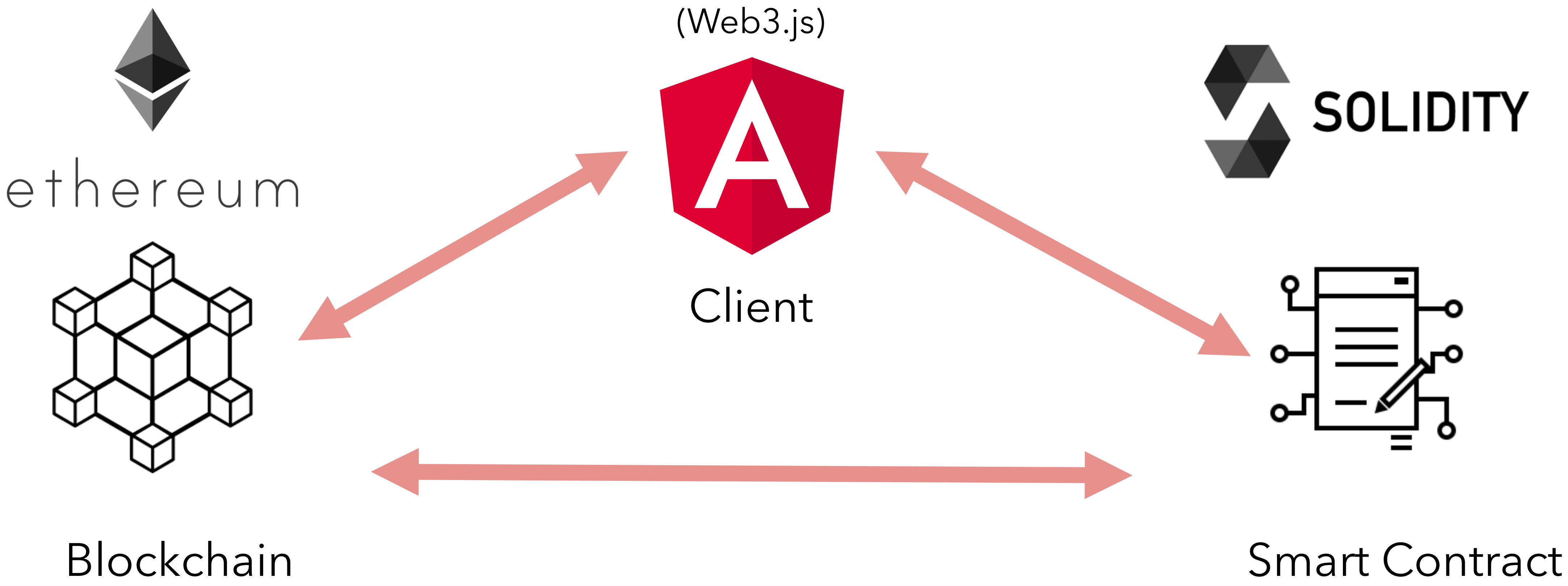
Process – Withdraw (by payment receiver)

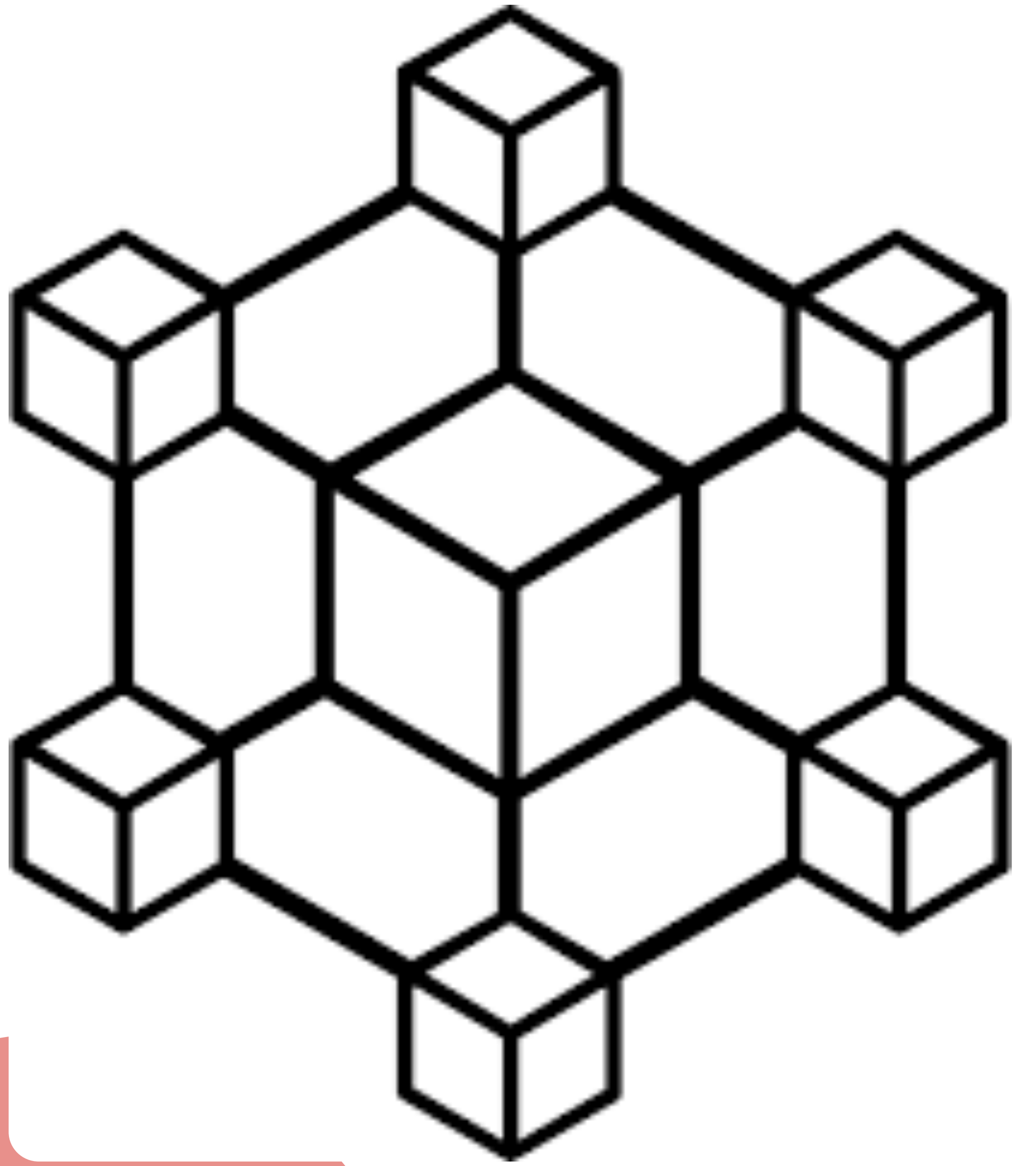


Process – Stop streaming (by payer)



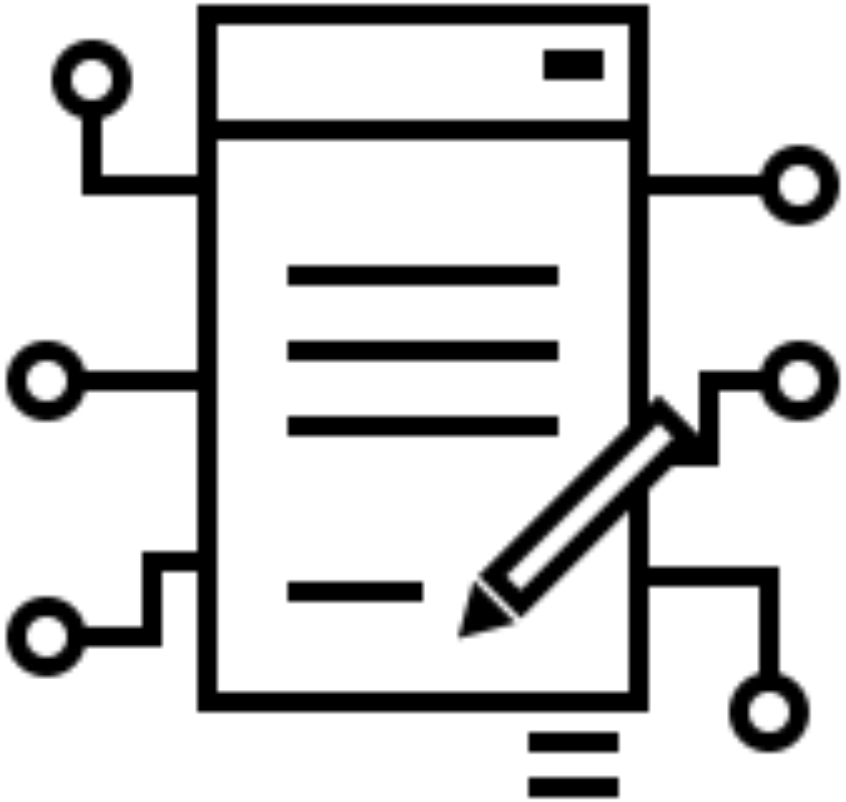
Architecture





Advantages

- Flexibility for payment receiver
- Payment Security
  - The smart contract is initialized with the amount required for a year.
  - Even with the possibility of the stream being terminated, the payment receiver always receives everything he is owed until this moment in time.



Disadvantages

- Forward payment required
  - The whole amount (for a year) needs to be put in in advance by the payer.
- Impossible to model more complex salary models
- Acceptance rate?