

Recurring On-Chain Transactions

ReTrans



malteish

Tradfi

Loan payments



Savings



pocket money



Donations



malteish

Tradfi

Loan payments 

Savings 

Standing orders  

Donations 

pocket money 



malteish

Tradfi vs Defi UX

Standing order	<input checked="" type="checkbox"/>
Frequency	
Monthly	
Next execution	
01. October 2024	
Last execution	
01. May 2028	

“Streaming”

Automation service
+ Smart contract



malteish

Tradfi vs Defi UX

Standing order

✓

Frequency

Monthly

Next execution

01. October 2024

Last execution

01. May 2028

ReTransICP

0.045 10000

You can use this web app to create, display or delete recurring ERC20 token transfers from your address to another address.
Your address is: 0x45a1cb02788f5e44061640ed7CB55831AE62b9d1
Your balance is: 0.39634662039477648 xDAI

Create a recurring transaction

To create a recurring token transfer, please provide the details below. You will also have to grant an allowance to the smart contract so it can access your tokens.
What will happen: The smart contract will send the specified amount of tokens to the recipient address immediately.
After the specified period, the smart contract will send the same amount of tokens to the recipient address again. This will continue until the total number of executions is reached.

Recipient address: 0xGDM4C4cRc2B5CB890145581444C
The address that will receive the tokens you send

Amount: 10123
How many tokens should be sent, in token bits.

Period: 7200
After which duration the tokens should be sent again

Number of executions: 5
Total number of times the transfer

Create recurring transaction

A service fee of 0.01 xDAI is charged if you sign when you push the button.



Period: 7200

After which duration the tokens should

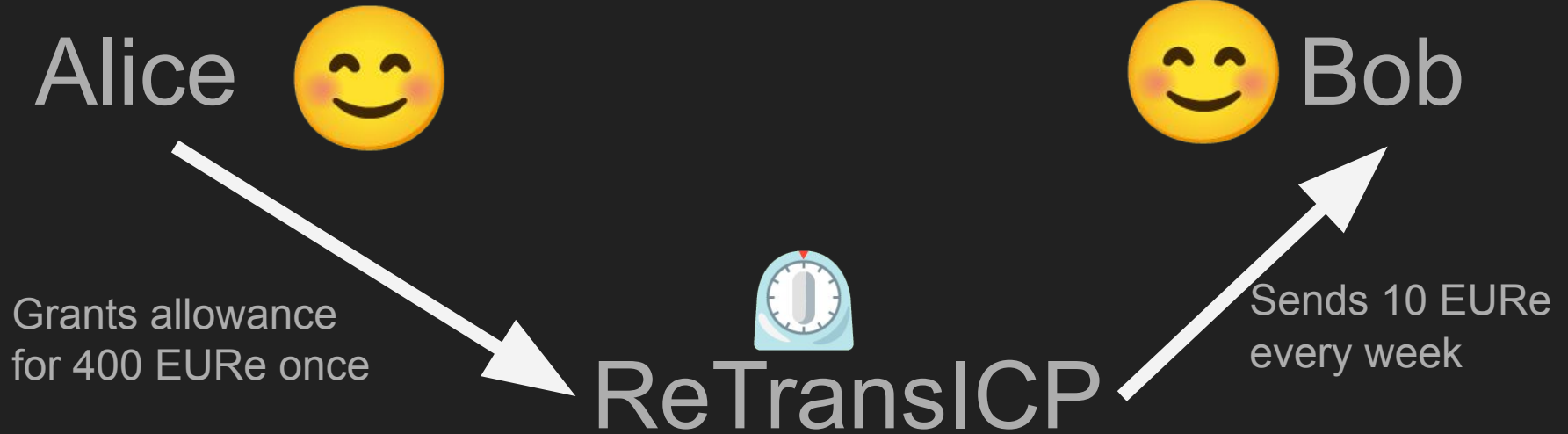
Number of executions: 5

Total number of times t



malteish

With ReTrans



malteish

Existing solutions and why Alice and Bob don't use them

Bad thing	Super-fluid	Sablier	Gelato	Chain Link	ICP	On Chain Pay	Hedgey
Funds are locked up	x						
Need to create account	x					x	x
Need to collect payments	x	x					
Need to develop code			x	x	x		



malteish

The solution



1. ICP canister listening to events
2. Smart contract on evm requests trigger event
3. ICP canister provides trigger as requested
4. Smart contract can request next trigger
5. ...



malteish

This will be

- central smart contract for scheduling services
- on every chain
- various transaction types and schedules
- on-chain payment



malteish