



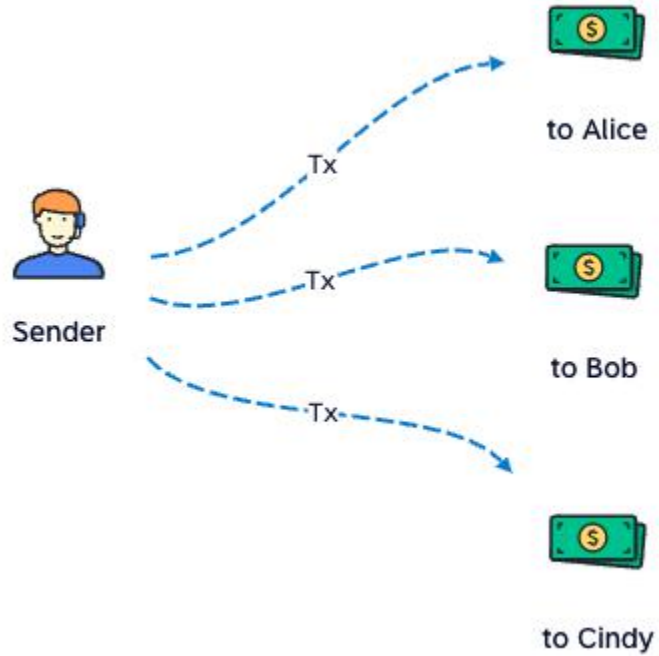
2022

ZkPayroll

Double Security



Batch Pay



Usual Pay

one tx one payment
gas: high
time: long



Batch Pay

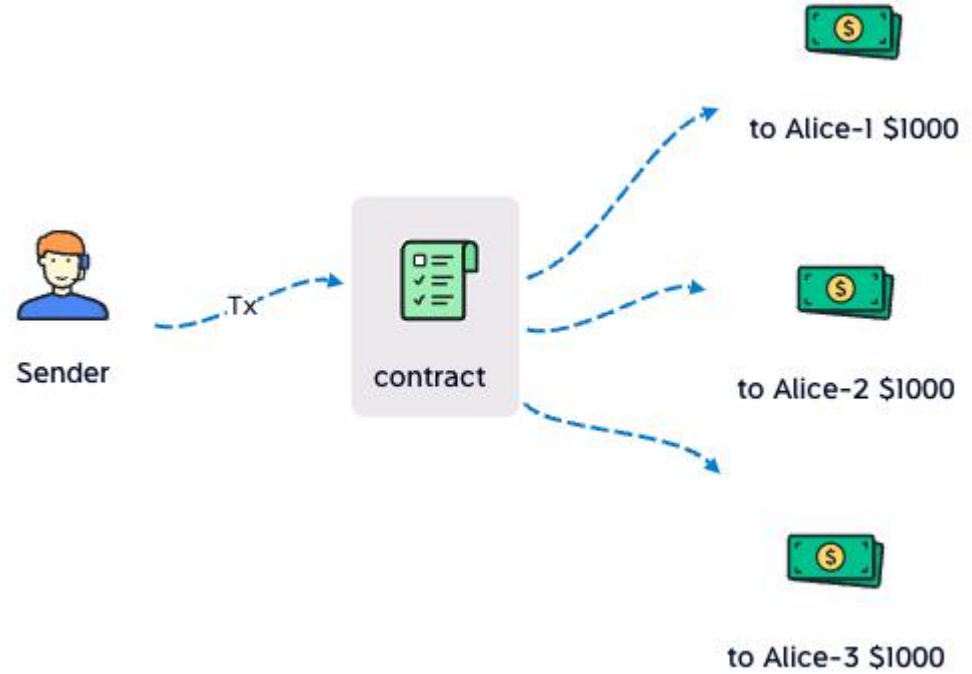
one tx multi payments
gas: low
time: quick



B a t c h P a y

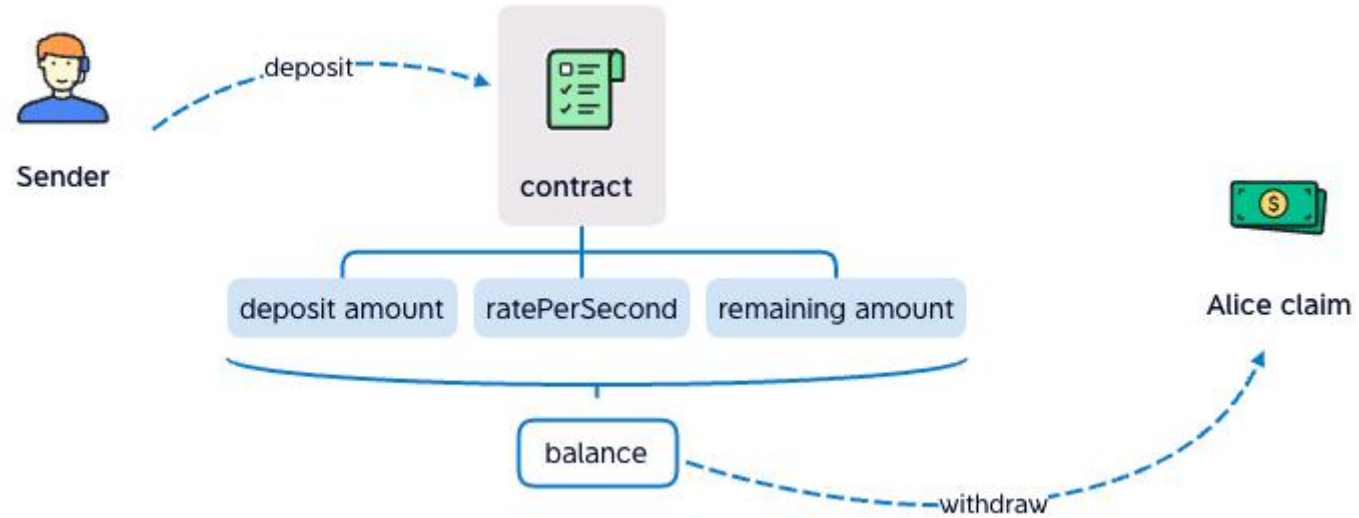
Hide the high salary

split \$3000 into 3 payment (address)





Streaming Pay



Claim salary every sec

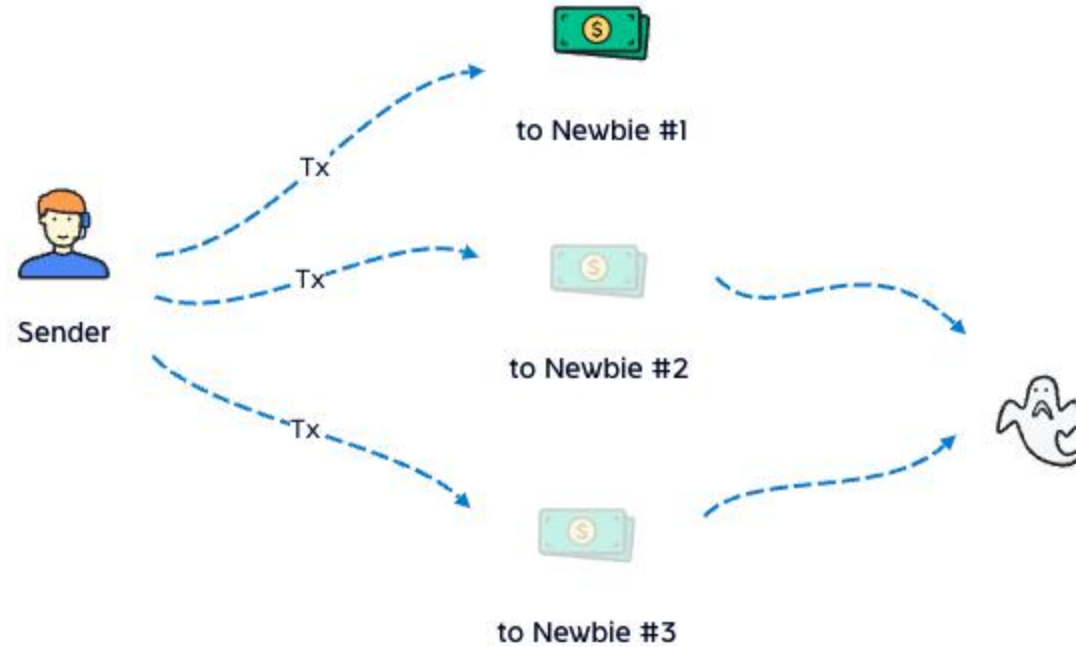
sender deposit to contract

recipient withdraw from contract

contract calculates how much (balance) the recipient can claim



S a f e B o x

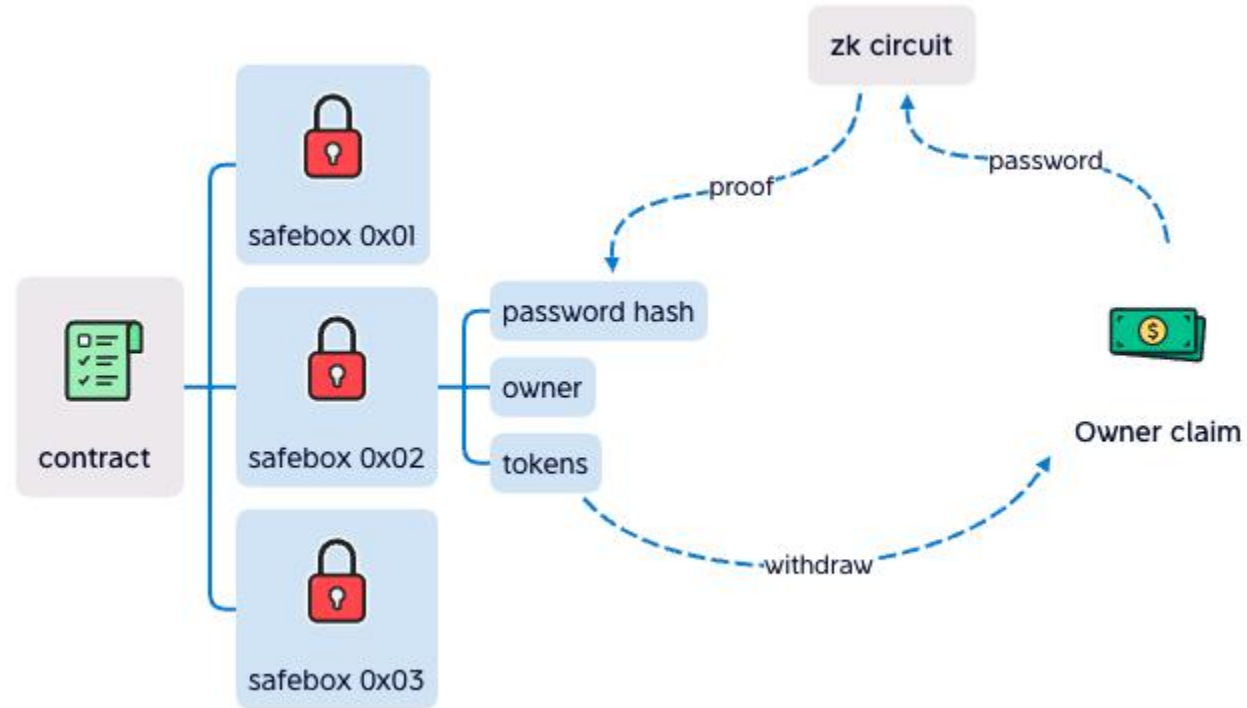


Is private key safe enough?

we recognize that the newbie's first salary is much easier to be stolen
In fact, there're many traps (e.g. Phishing) to take our private key
so we build safebox, to save assets



S a f e B o x



It hides password

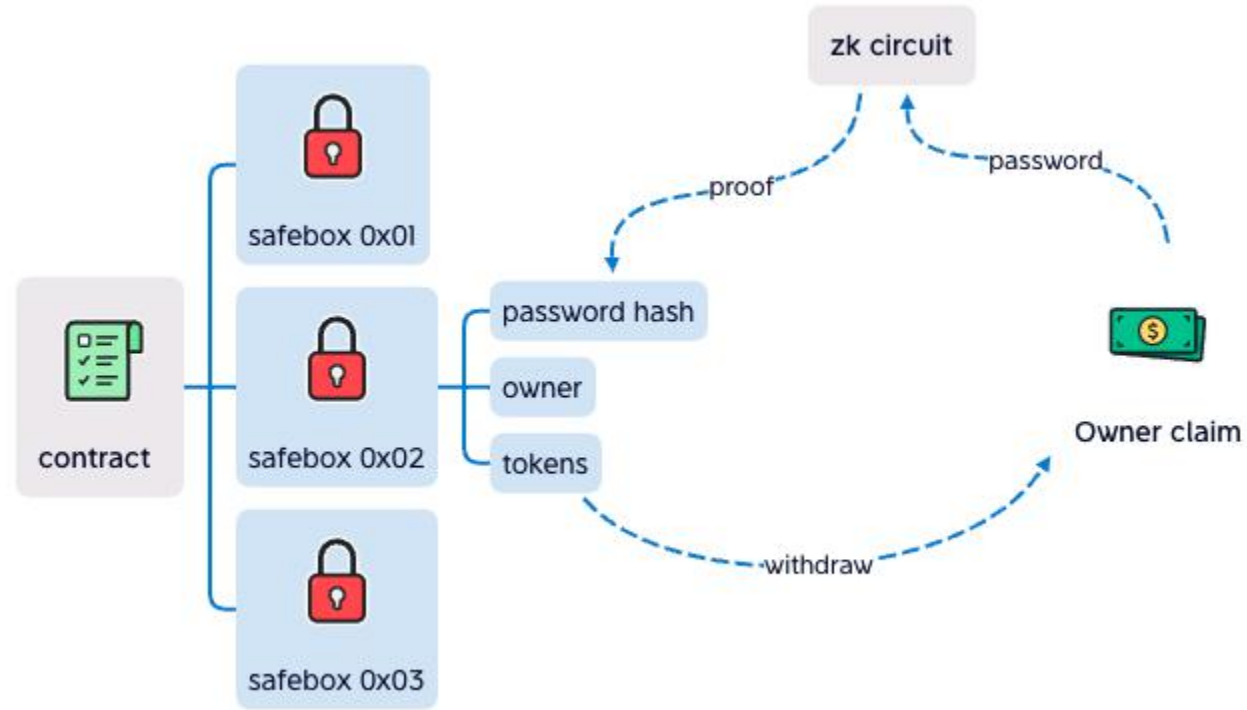
owner input password to zk circuit at frontend

zk circuit calculate the proof to contract

contract verify success, withdraw to owner



S a f e B o x



Double Security

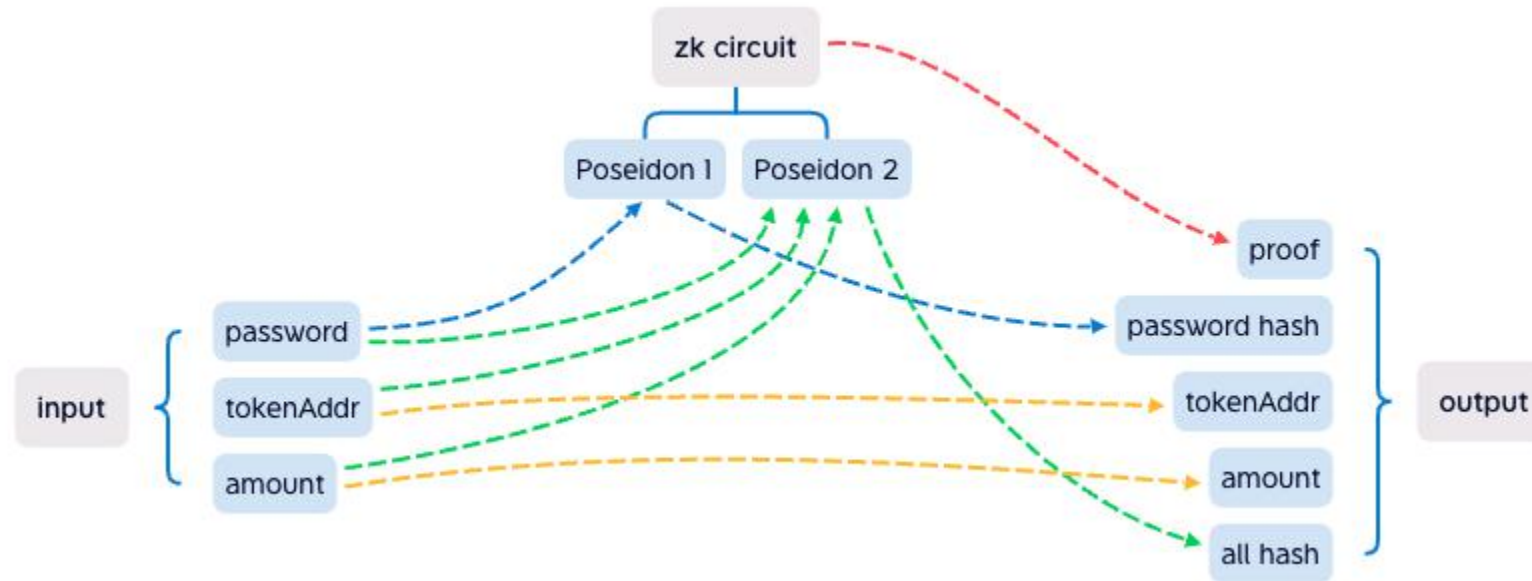
private key is taken, safebox is still safe

password is taken, safebox is still safe

both private key and password are taken, that's so bad



S a f e B o x



zk circuit

it's complex, but it's done, and works well
we're going to upgrade it, make calculation harder
to anti brute force cracking



T e a m



George

10+ years full stack develop
4 years solidity develop
a boring coder



BlackRabbit

10+ years full stack develop
2 years web3 develop
another boring coder



2022

It's show time

zkpayroll.xyz

<https://github.com/busyapedao/zkpayroll-contract>