ifTTtx Architecture Diagram

POC Requirements

- Protocol allows user to create a scheduled, potentially recurring SOL transaction (Sol transaction is an Action, settings when to execute is a Trigger)
- Protocol allows user to pause Trigger
- Protocol allows user to cancel Trigger and retrieve deposited funds
- Protocol allows worker to execute transaction iff trigger is valid
- Protocol pays out fee to worker who executed the transaction

Solana Programs On-Chain

TimeTrigger

+owner: Pubkey

+bump: u8

+fee: u64

+action

+action_calldata

+start_at

+interval

+stop_after

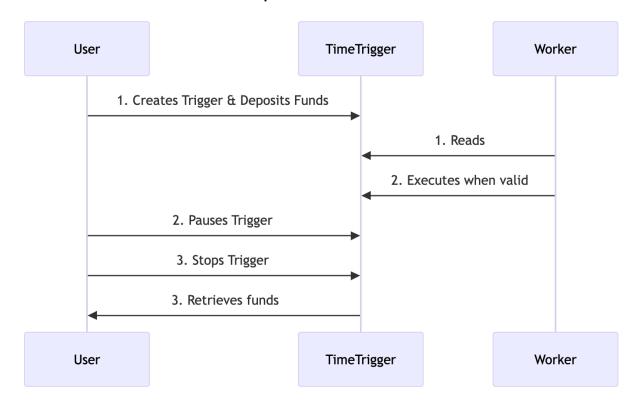
SendSolAction

+sender: Signer

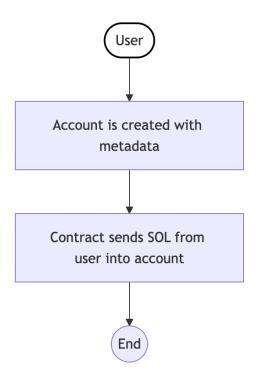
+amount: u64

+receiver: Pubkey

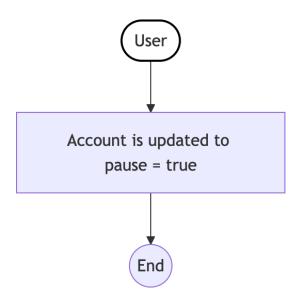
User Flow with different Options



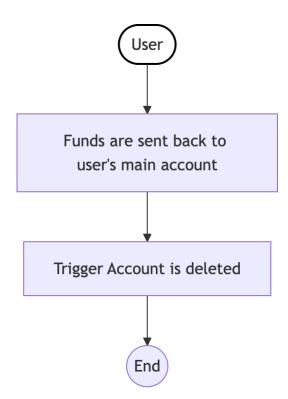
Create Trigger



PauseTrigger



StopTrigger



ExecuteTrigger

