HeraSoft.

Token Standard

“0-5-0” Compliance Standard

CONFIDENTIAL

About HeraSoft.

At HeraSoft™, we apply distributed resource management to solve the world's toughest enterprise and cyber security challenges.

Our team works diligently around the clock to ensure timely, efficient, and necessary milestones are met and organized into succinct successes in of themselves.

We empower a growing range of sovereign individuals who believe in trusted mechanisms through distributed means.

Trillions in Initiatives Long Term

Incorruptible/unchangeable/trackable/unhackable

The 050 Standard on Casper enables trillions of dollars of capital instruments

Tether

60bln+ across multiple chains Make Casper a chain for compliant tether

Coinbase USDC

Matches necessary components and functions to meet the needs of public company compliance

GoldFlorin

Dutch Royal Mint Digital Gold Initiative

Inherently ransomware- and fraud-proof by design

HeraSoft.

Our First Case Study

Lined Up, Secured, and In Business

Gold Florin is a HeraSoft client leveraging the initial suite of both centralized and decentralized gold accounting software developed since 2012.

Sovereign

Liquidable

Secure

GoldFlorin

Redeemable

To be available on multiple CEX / DEX Q4 2021

HeraSoft.

Core 050 Functions.

Incorruptible/unchangeable/trackable/unhackable

OFAC Secure

Digital made secure

Prevent known cyber criminals from interacting with your token based product with a list and a few contract calls

Interest Bearing

Make the network more scarce and earn

Make your records fraud-proof with our blockchain-based technology.

Synthetic Unit Value of 1

Oracle ecosystems made trustworthy

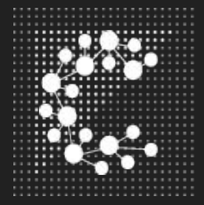
Improved oracles

Tiered Administration

Hierarchy made better

Open up a new world of functionality and player engagement with HeraSoft.

HeraSoft.



HeraSoft.

RansomWare Proof Token Manager

How to Manage the m[AT] Protocol Smart Contract

All the Features of the 050 Token v1

Functions

1. **Approve** - Approve usage of functions in the contract by an address
2. **Blacklist** - Blacklist a certain 0x address from interacting with the token
3. **Burn** - Burn token tokens from total supply configureMinter - Set a certain 0x address as the minter and set how much to mint
4. **decreaseAllowance** - Set a certain 0x address' allowance for spending
5. **increaseAllowance** - Set a certain 0x address' allowance for spending
6. **Mint** - Mint token tokens into existence
7. **Pause** - Pause the smart contract thus stopping all interactions and transactions from occurring
8. **removeMinter** - remove a certain 0x address from being able to mint token tokens Transfer - the ability to send token tokens
9. **transferFrom** - the ability to send token tokens (smart contract) **transferOwnership** - Transfer Ownership and thus admin rights of the smart contract to another 0x address
10. **unBlacklist** - UnBlacklist a certain 0x address from the smart contract
11. **Unpause** - UnPause the smart contract updateBlacklister - Update the 0x address who is the Blacklister
12. **updateMasterMinter** - Update the 0x address who is the MasterMinter
13. **updatePauser** - Update the 0x address who is the Pauser There are also a set of public calls to the smart contract these include;

Calls

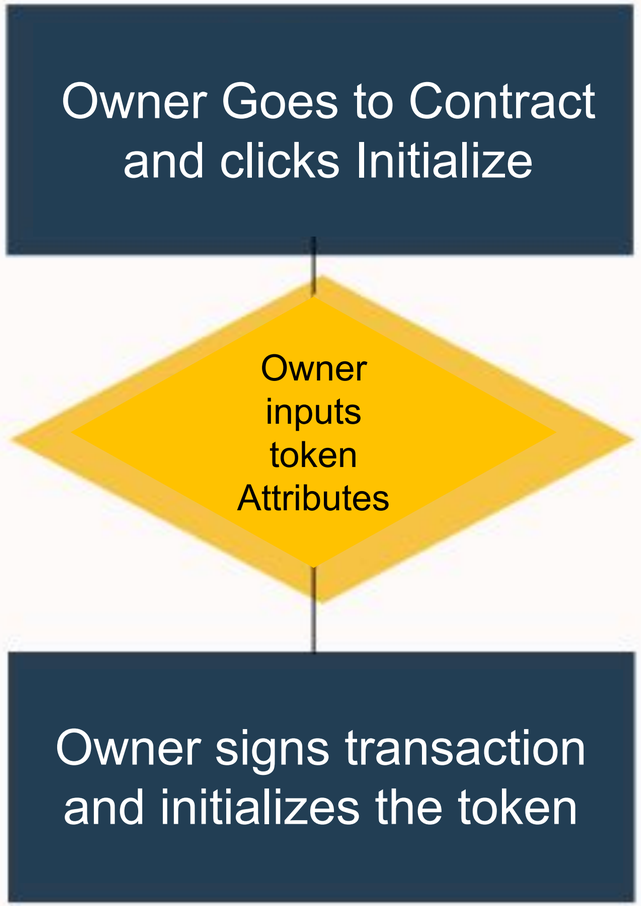
1. **Allowance** - Query the Blockchain for any 0x address' token Allowance
2. **balanceOf** - Query the Blockchain for any 0x address' token balance
3. **Blacklister** - Will show who the blacklister is Currency - Returns AU Decimals - Returns 2
4. **isBlacklisted** - Returns a boolean (True or False) stating if a 0x address is blacklisted
5. **isMinter** - Returns a boolean (True or False) stating if a 0x address is a minter
6. **MasterMinter** - Shows who is the MasterMinter
7. **MinterAllowance** - will show 0x address' minting allowance
8. **Name -** will show name
9. **Owner** - Shows who is the smart contract owner Paused - Returns a boolean (True or False) stating if the contract is paused
10. **Pauser** - Shows who is the Pauser Symbol - will show token **TotalSupply** - Shows total supply of token

Necessary Environment:

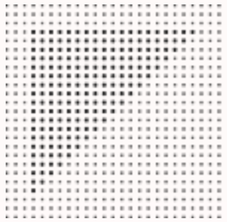
> Casper Signer Enabled Modern Browser

> Internet Connection

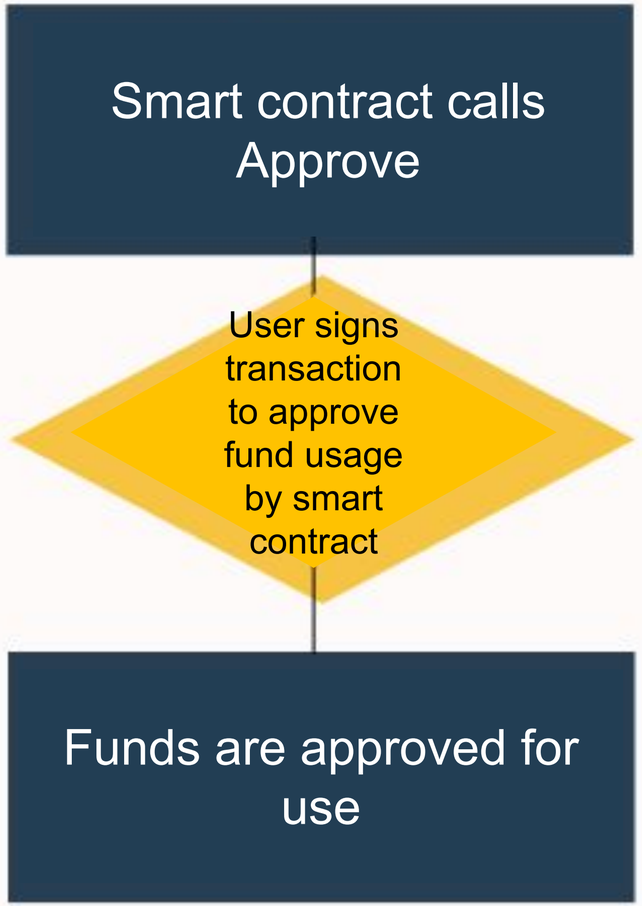
Initialize



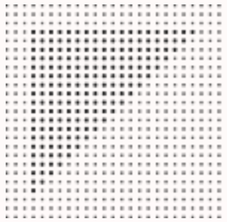
1. From Owner Account
2. Set the Name, Symbol, Decimals, MasterMinter, Pauser, Blacklister, & New Owner
3. Sign Transaction
4. Confirm Transaction
5. Call Owner, isPauser, isBlacklister, is MasterMinter to confirm



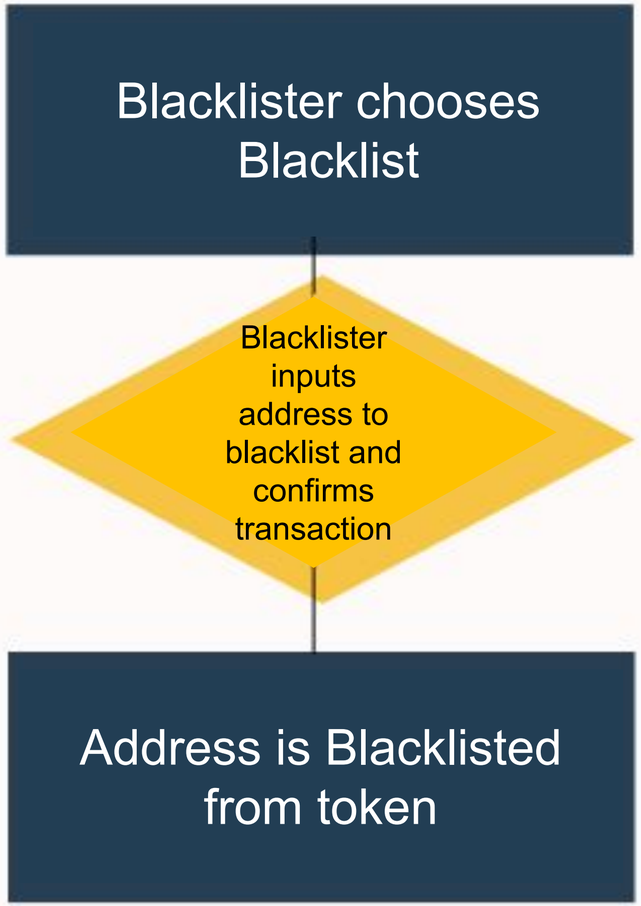
Approve



1. Smart contract calls for the approval of a function from user
2. User confirms and signs transaction
3. Smart contract is now approved to spend on User’s behalf

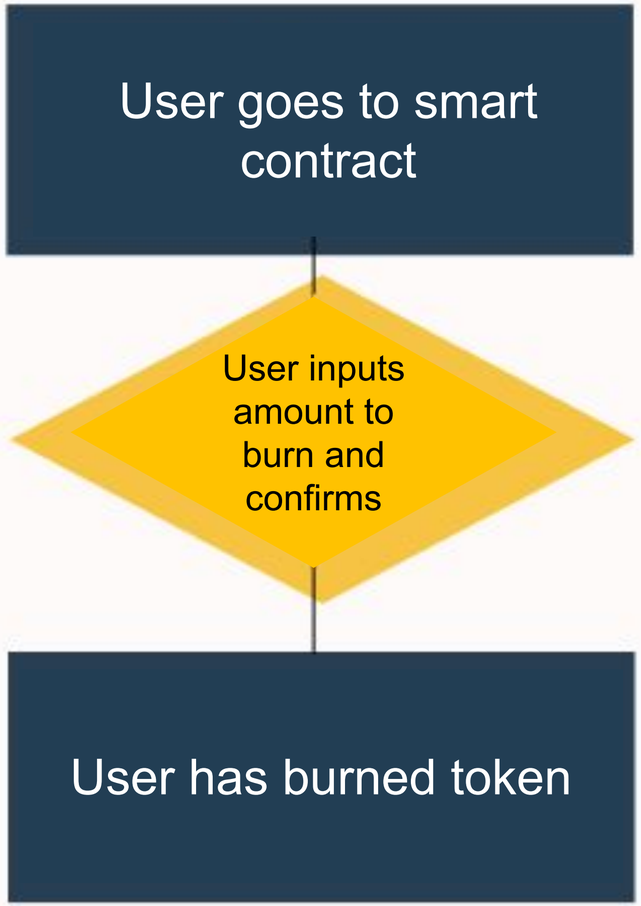


Blacklist



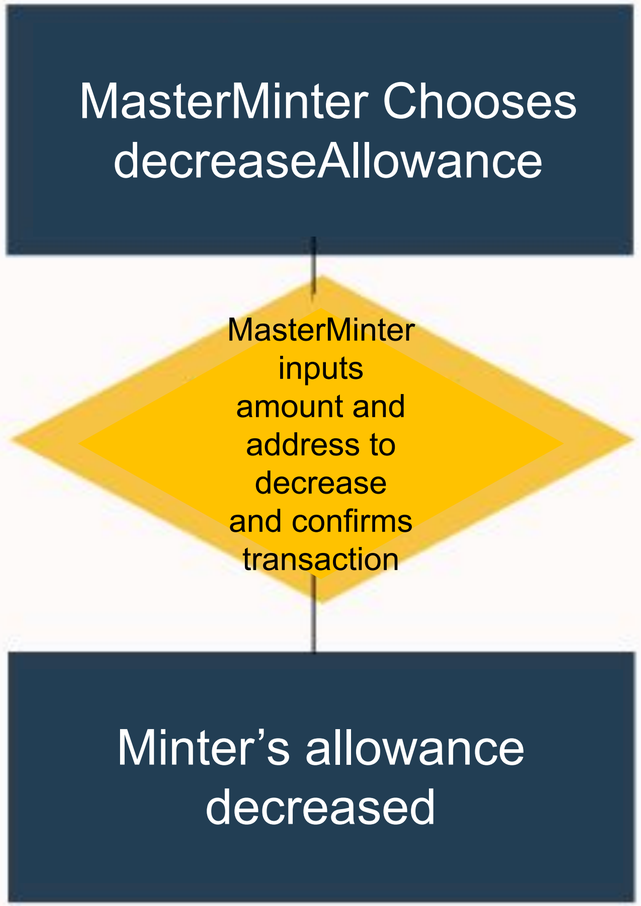
1. Blacklister inputs address
2. Blacklister Signs Transaction
3. Transaction is Confirmed by the Blockchain
4. Address can no longer transact on the contract

Burn

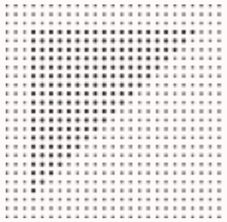


1. User inputs amount of Tokens to burn remember to add 2 zeros for decimals (100 Tokens = 10000)
2. User Signs Transaction
3. Blockchain Confirms
4. User has burned Tokens

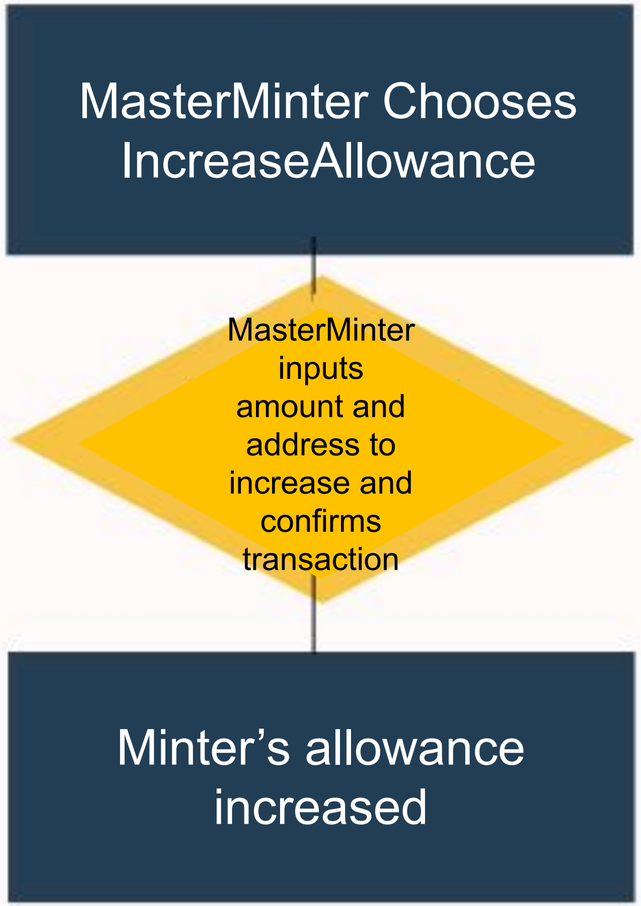
decreaseAllowance



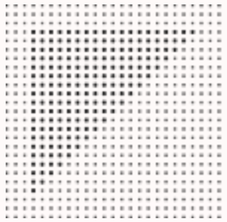
1. MasterMinter inputs Minter address and amount to decrease Minter's allowance by remembering to add 2 Zeros for the decimal (100 Tokens = 10000)
2. MasterMinter Signs Transaction and Confirms
3. Minter can now Mint Less



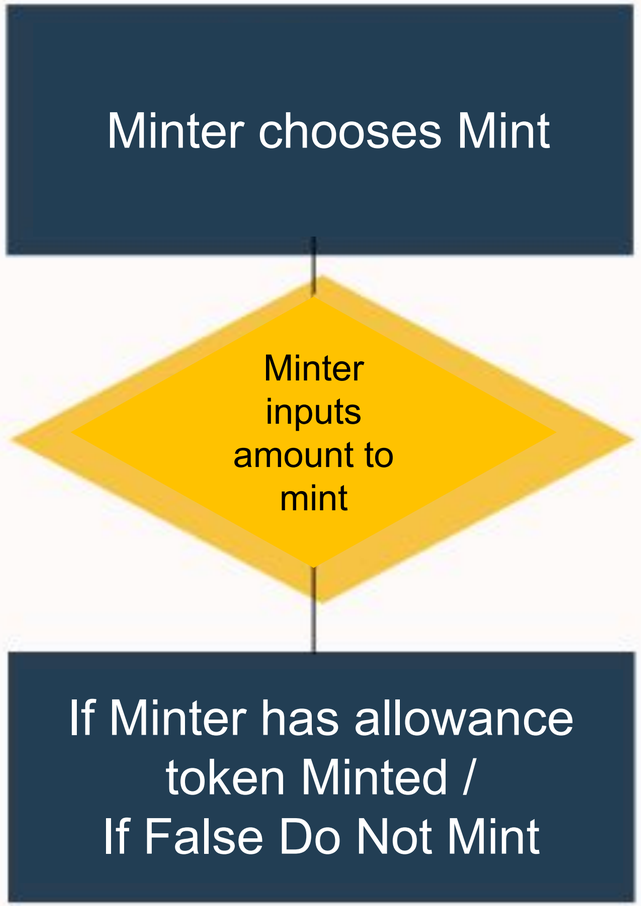
increaseAllowance



1. MasterMinter inputs Minter address and amount to increase Minter's allowance by remembering to add 2 Zeros for the decimal (100 Tokens= 10000)
2. MasterMinter Signs Transaction and Confirms
3. Minter can now Mint More

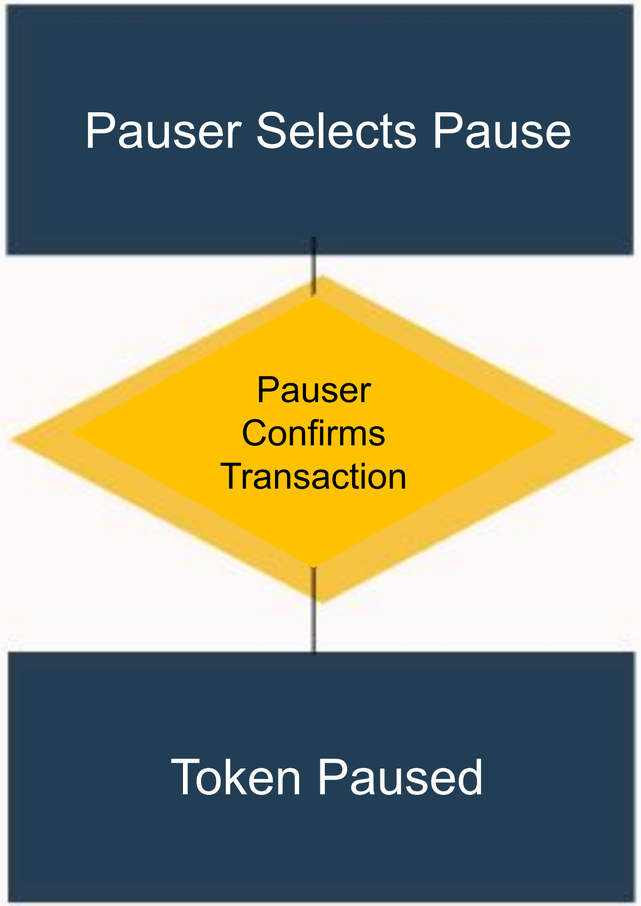


Mint

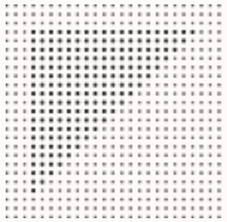


1. Minter inputs address to and amount of Tokens to mint
2. Blockchain is queried for Minter Allowance
3. If Minter Allowance > inputted amount Mint Tokens
4. If Minter Allowance < inputted amount throw Error

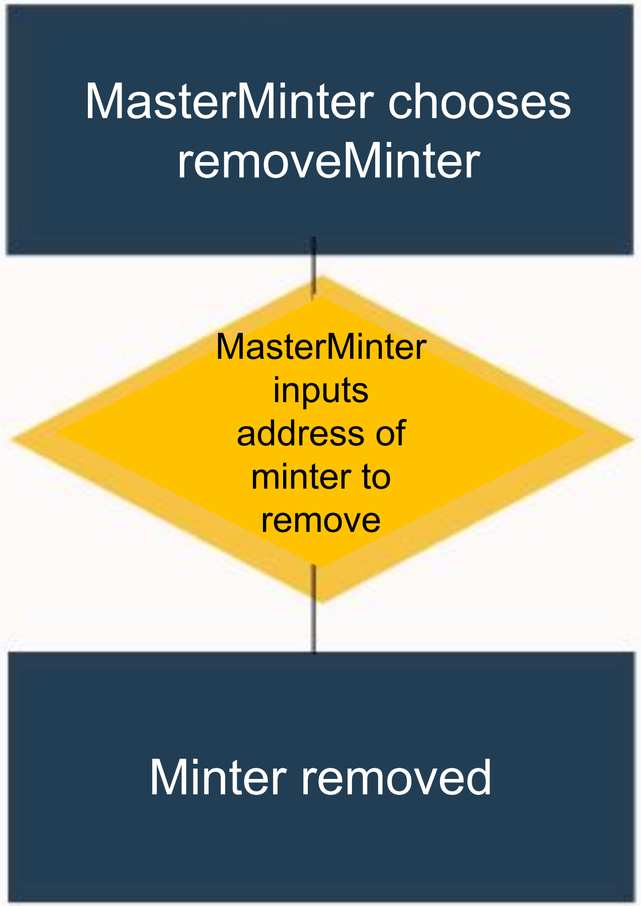
Pause



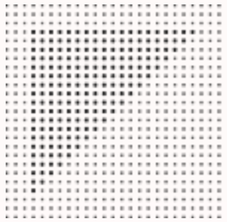
1. Pauser chooses Pause in Smart Contract
2. Pauser Signs Transaction
3. Blockchain Confirms and sets True to ‘isPaused’
4. No transactions may occur on the Token protocol while paused.



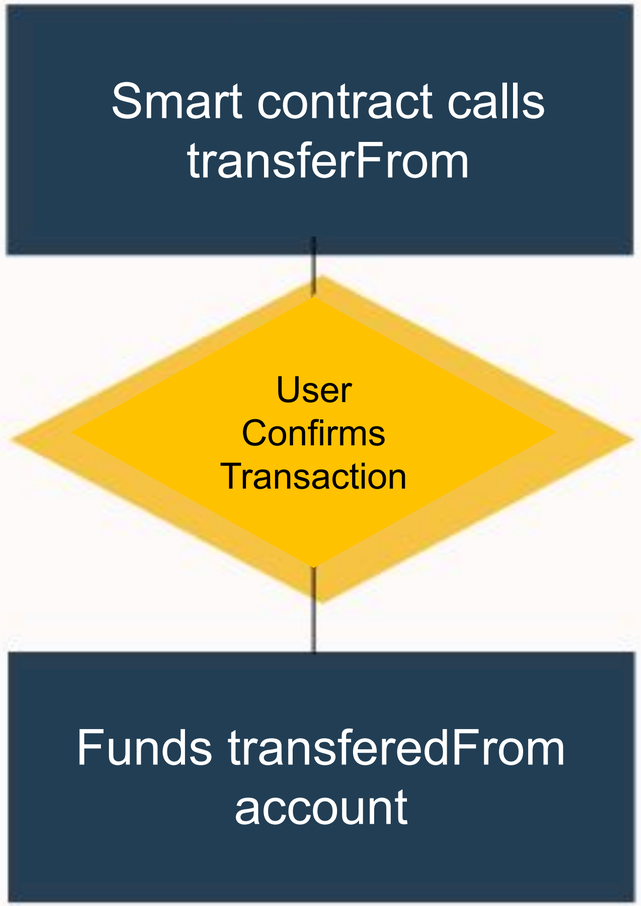
removeMinter



1. MasterMinter inputs an existing Minter address
2. MasterMinter Signs Transaction
3. Blockchain confirms removal of Minter from administrative permissions

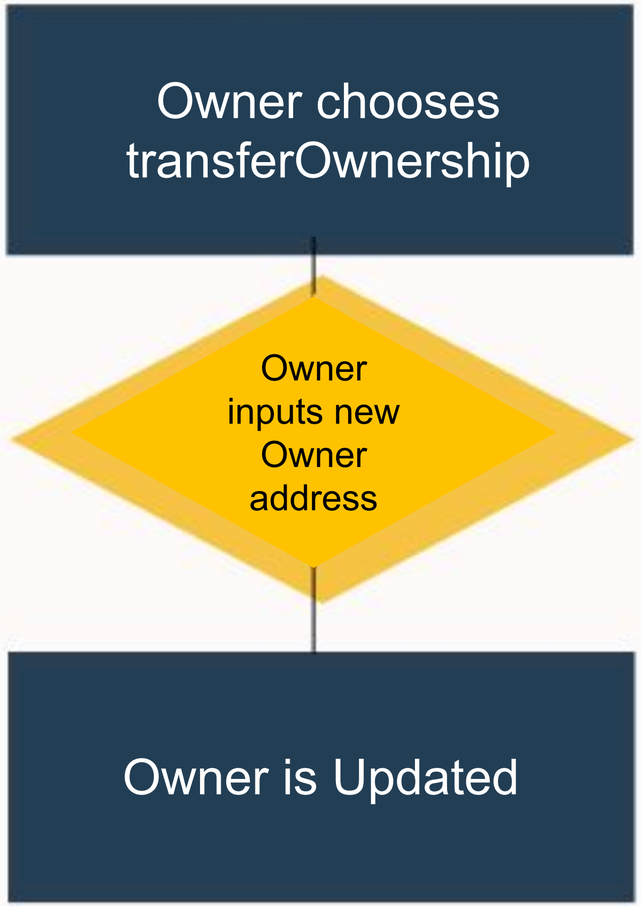


transferFrom

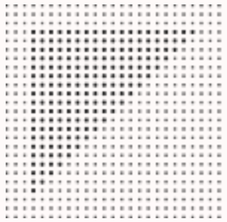


1. Smart Contract calls transferFrom function
2. Smart Contract verifies funds are in account
3. User Signs Transaction
4. Tokens transferedFrom account

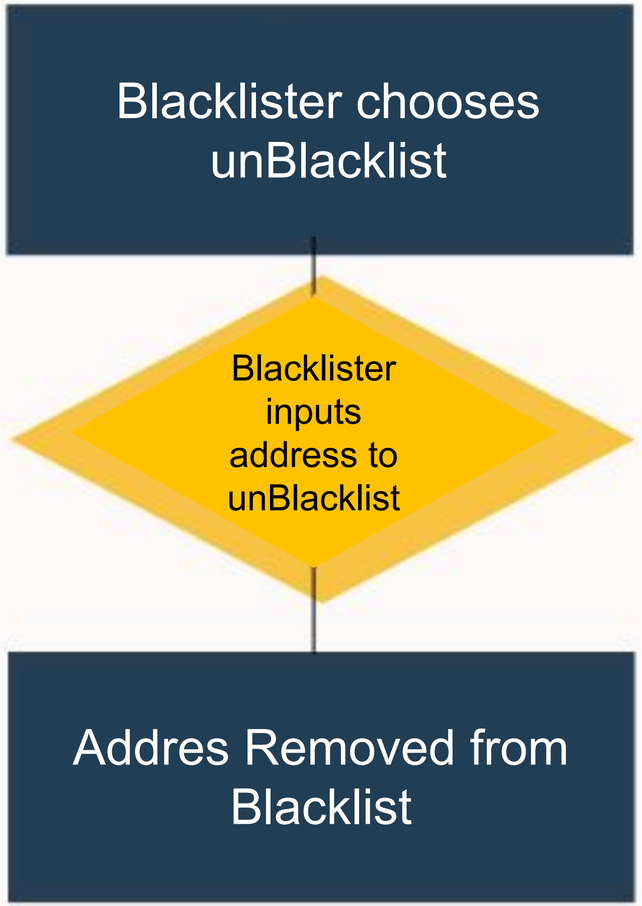
transferOwnership



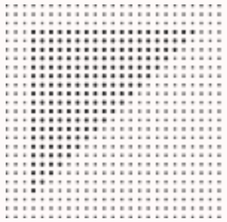
1. From Owner account
2. Input address of account for new owner
3. Sign Transaction
4. Confirm Transaction
5. Use the Owner Call to confirm the new account is the Owner



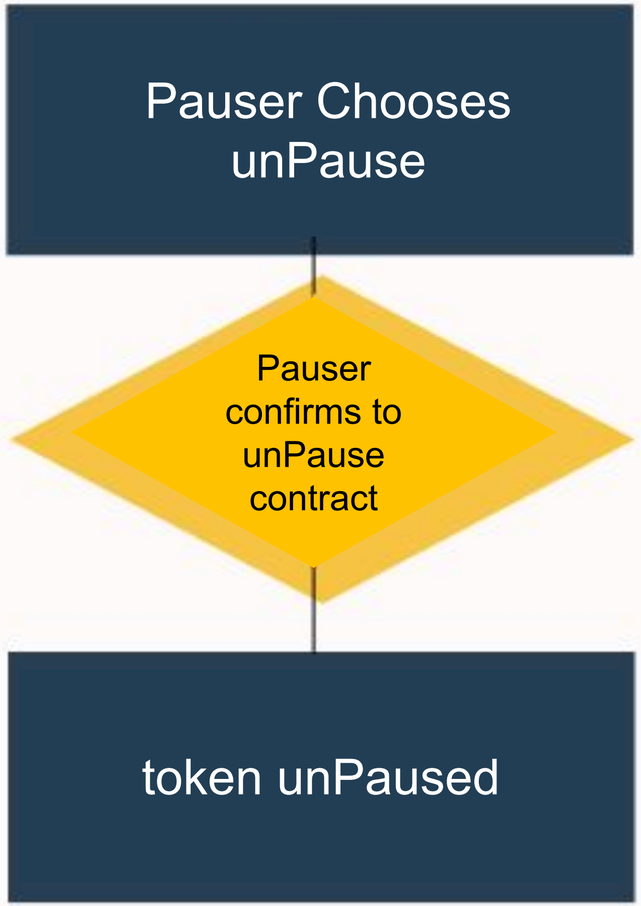
unBlacklist



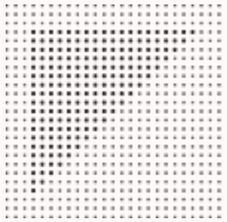
1. From Blacklister Account
2. Input a Blacklisted Account
3. Click unBlacklist
4. Sign Transaction
5. Confirm Transaction
6. Confirm unBlacklisted by attempting to send token to the account



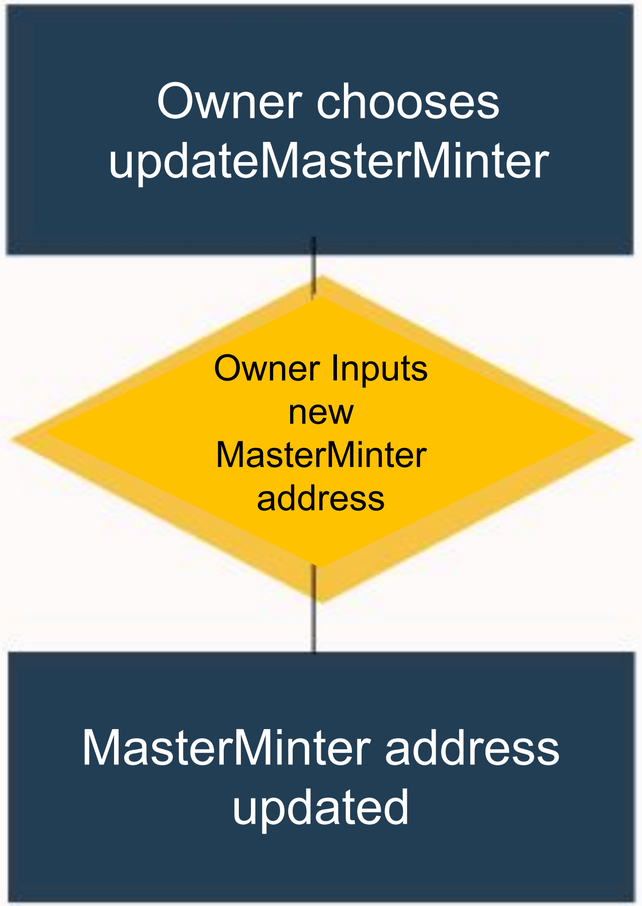
unPause



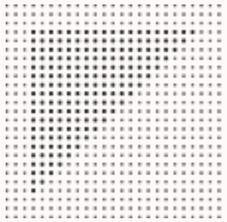
1. From Pauser Account
2. Click unPause
3. Sign Transaction
4. Confirm Transaction
5. Send a token to confirm contract is unPaused



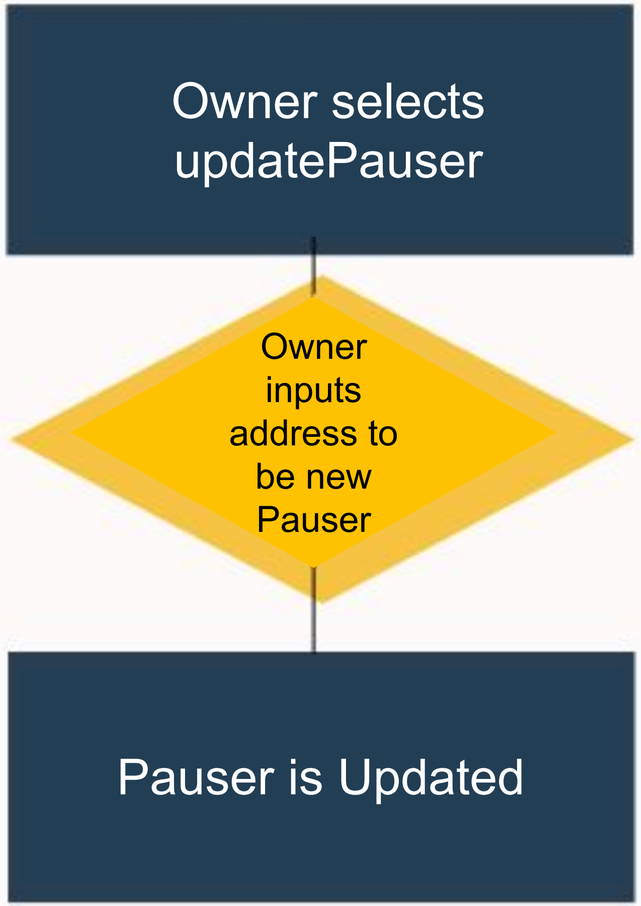
updateMasterMinter



1. From the Owner Address
2. Input an Ethereum Address for the Account that is MasterMinter
3. Click updateMasterMinter
4. Sign Transaction
5. Confirm Transaction
6. New MasterMinter



updatePauser



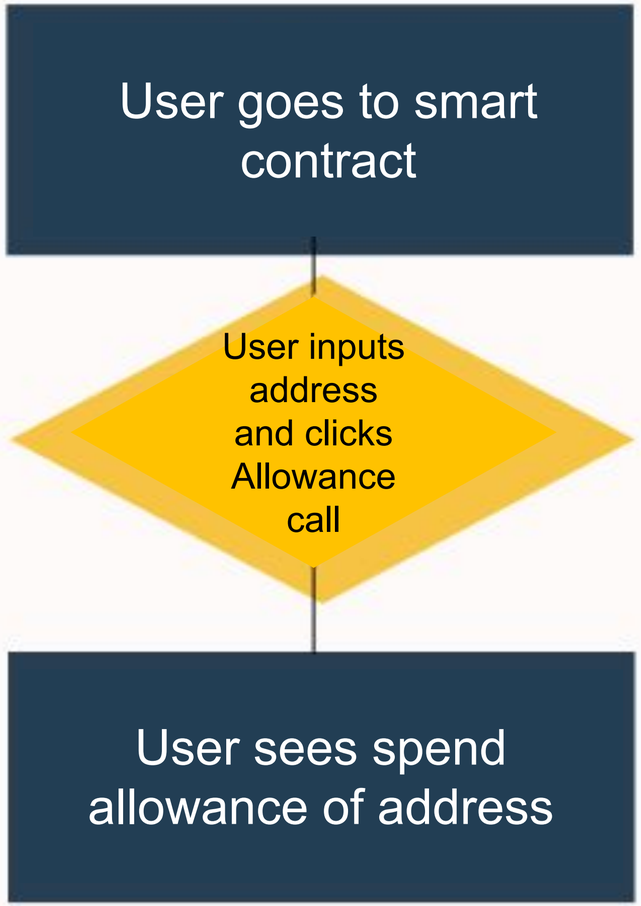
1. From the Owner Address
2. Input an Ethereum Address for the Account that Pauses
3. Click updatePauser
4. Sign Transaction
5. Confirm Transaction
6. New Pauser

HeraSoft.

RansomWare Proof Money Token Calls

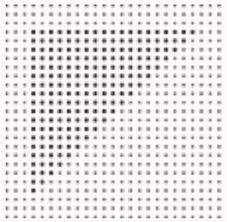
Calls let you query the blockchain for the most recent or relevant data.

Allowance

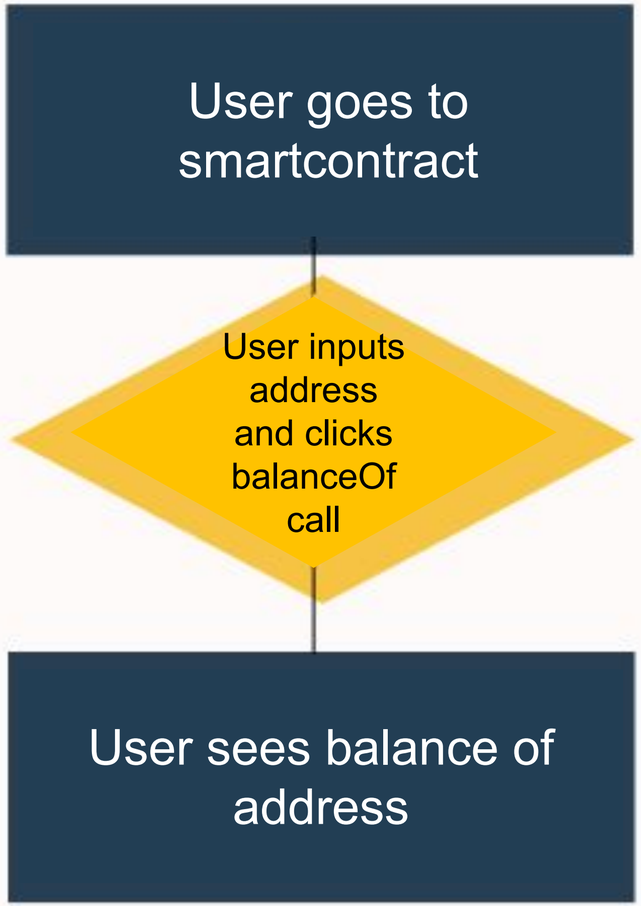


1. User inputs an address and clicks Allowance call
2. The blockchain is queried and the spend allowance is shown for the address

CONFIDENTIAL

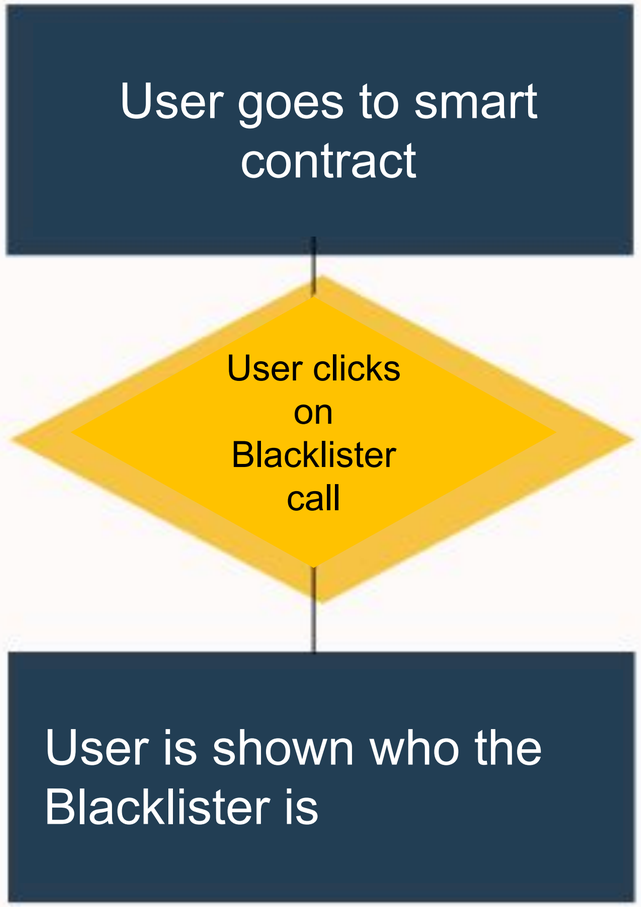


balanceOf



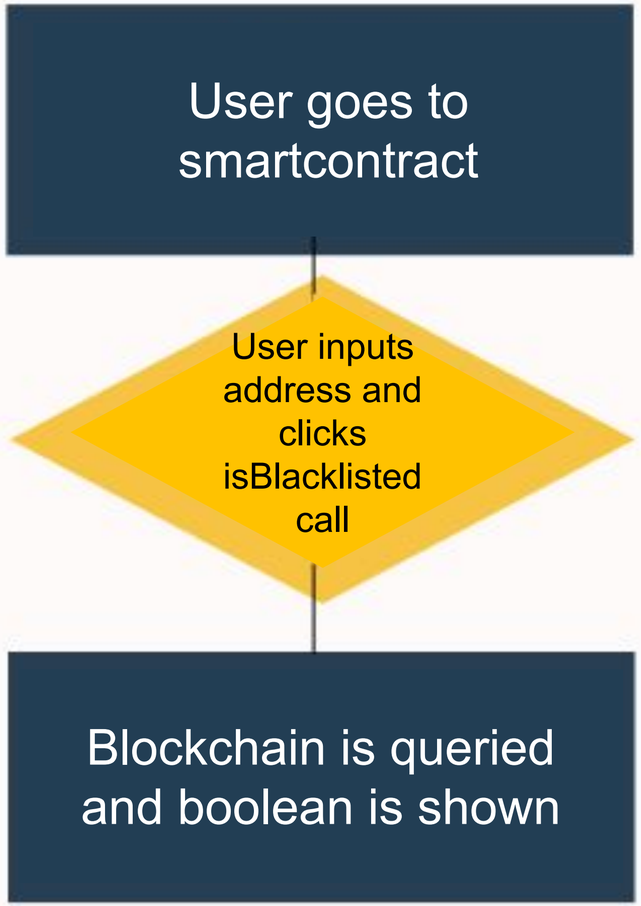
1. User inputs an address and clicks balanceOf call
2. The blockchain is queried and the token balance is shown for the address

Blacklister



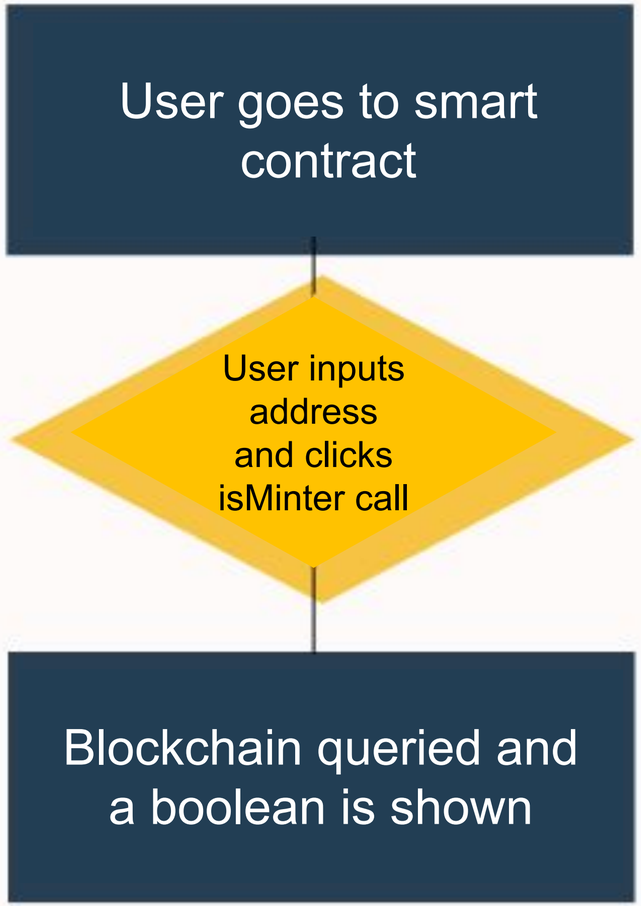
1. User clicks on Blacklister call
2. The blockchain is queried and the Blacklister address is shown

isBlacklisted

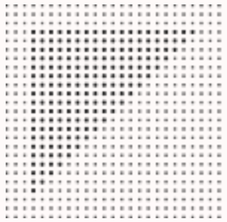


1. User inputs an address and clicks isBlacklisted call
2. The blockchain is queried and a boolen (true / false) is shown for the address

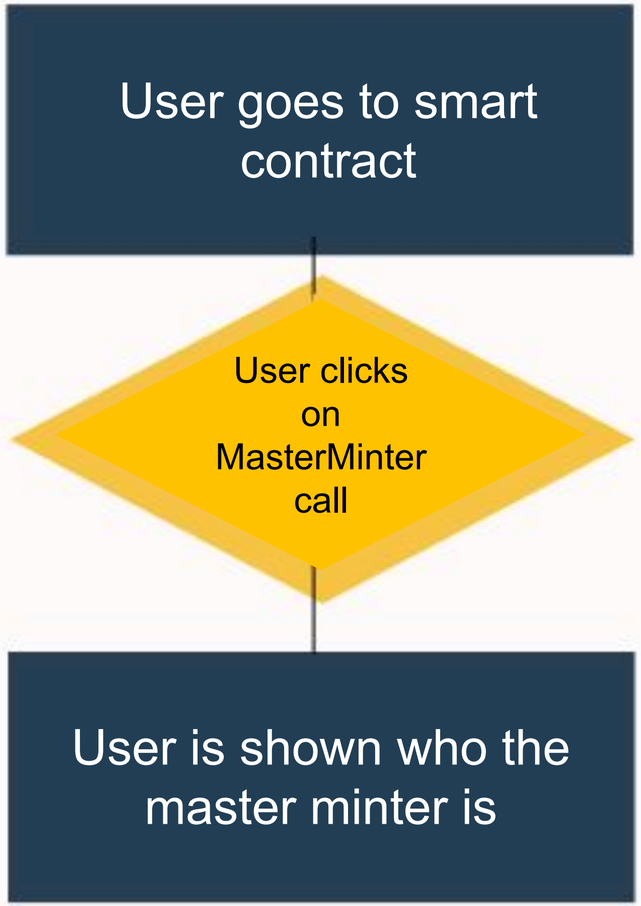
isMinter



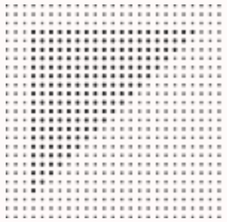
1. User inputs an address and clicks isMinter call
2. The blockchain is queried and a boolen (true / false) is shown for the address



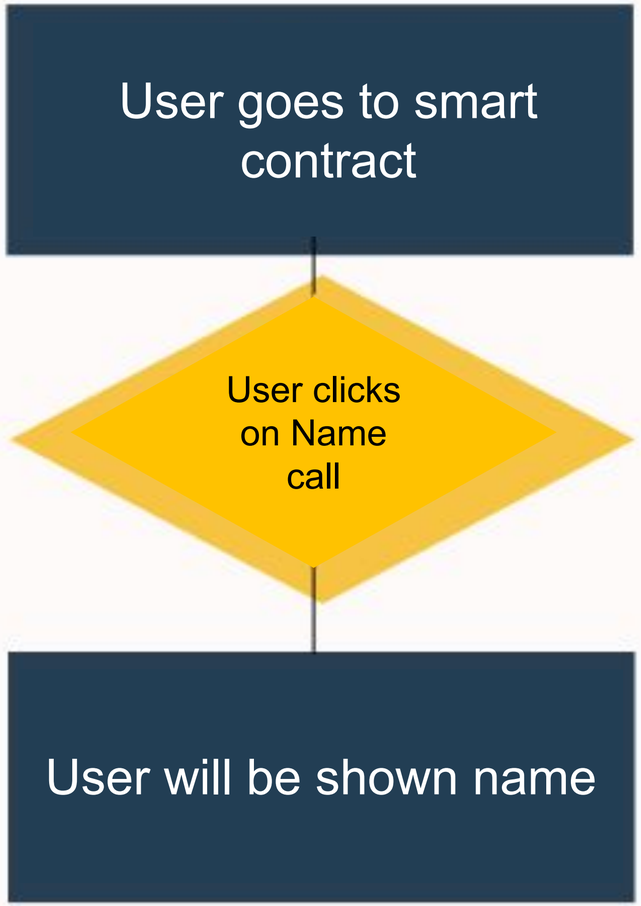
MasterMinter



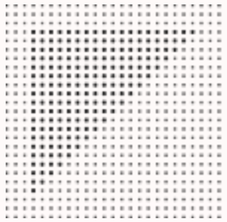
1. User clicks on MasterMinter call
2. The blockchain is queried and the MasterMinter address is shown



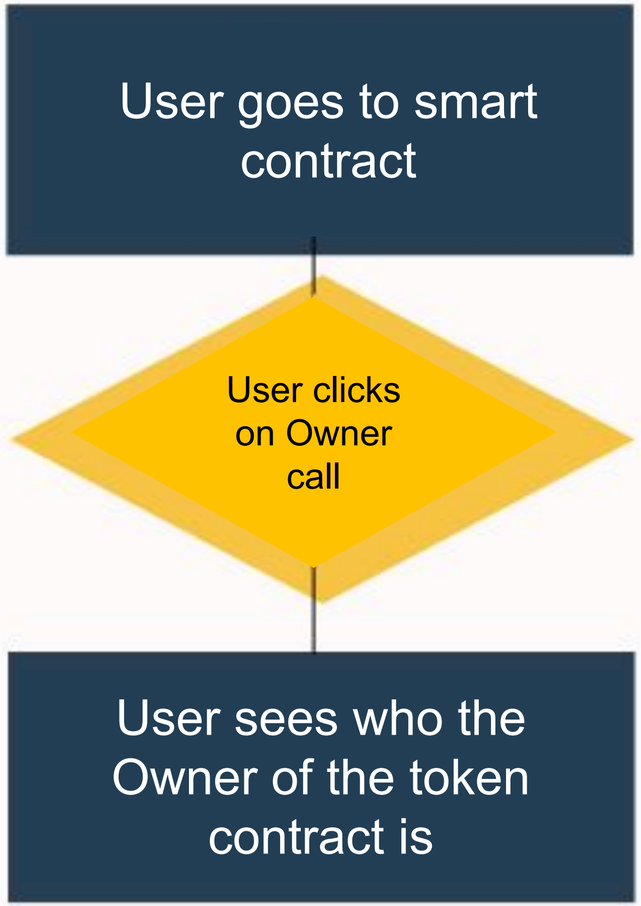
Name



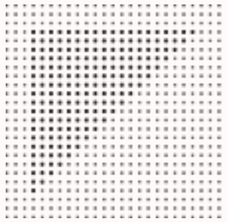
1. User clicks on Name call
2. The blockchain is queried and the token Name is shown



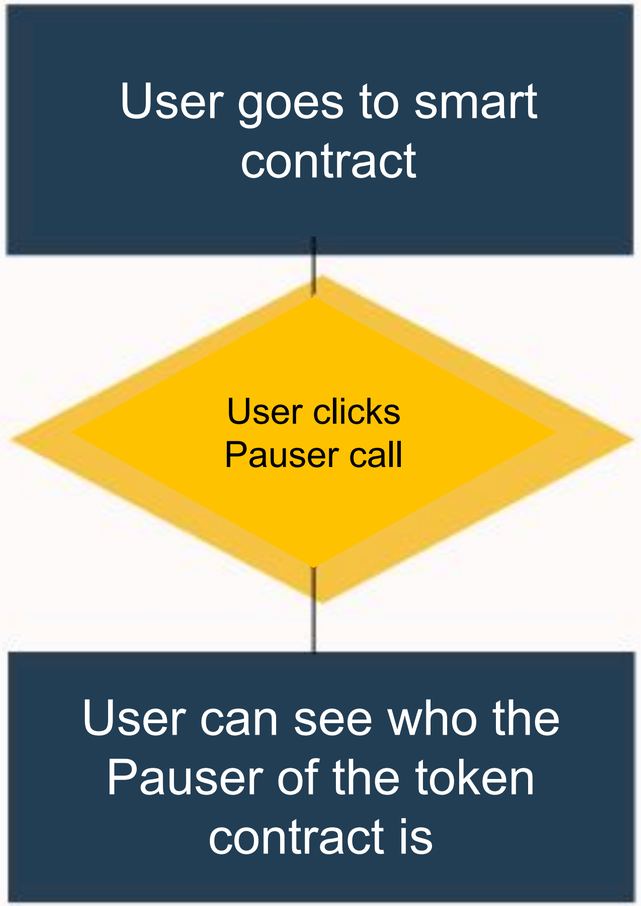
Owner



1. User clicks on Owner call
2. The blockchain is queried and the smart contract Owner address is shown

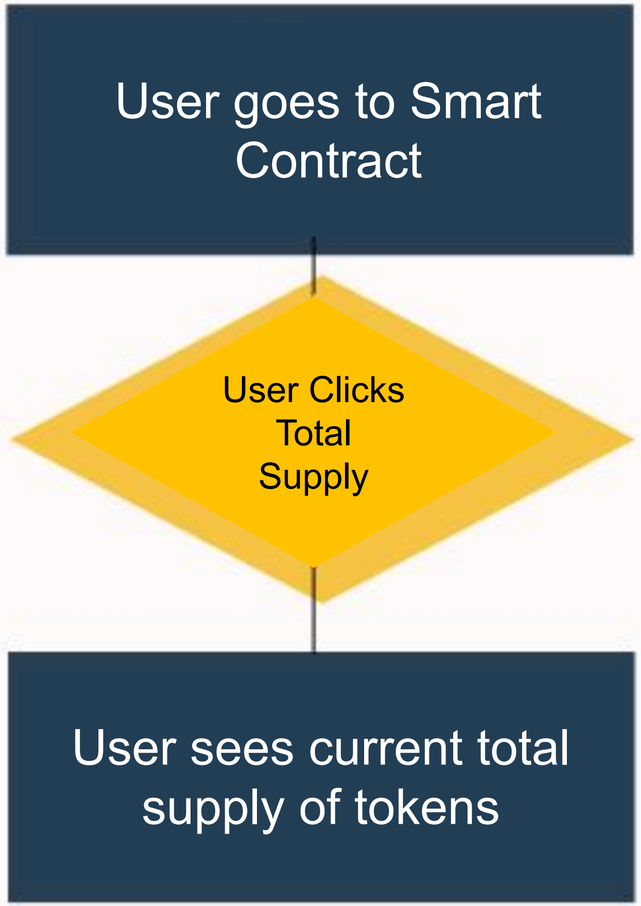


Pauser



1. User clicks on Pauser call
2. The blockchain is queried and the masterPauser address is shown

TotalSupply



1. User Clicks Total Supply
2. Total Supply of all tokens Tokens shows as an integer or a float

Advantage, Society

Our mission is advancing trust.

01.

Zero failure

Served by multiple administrators at once, impossible to take down

02.

Ransomware proof data/ applications

No central place for data storage or data served for asset proof of sovereignty

03.

Zero downtime

No system lockout/failure with failsafe key security checks and balances

04.

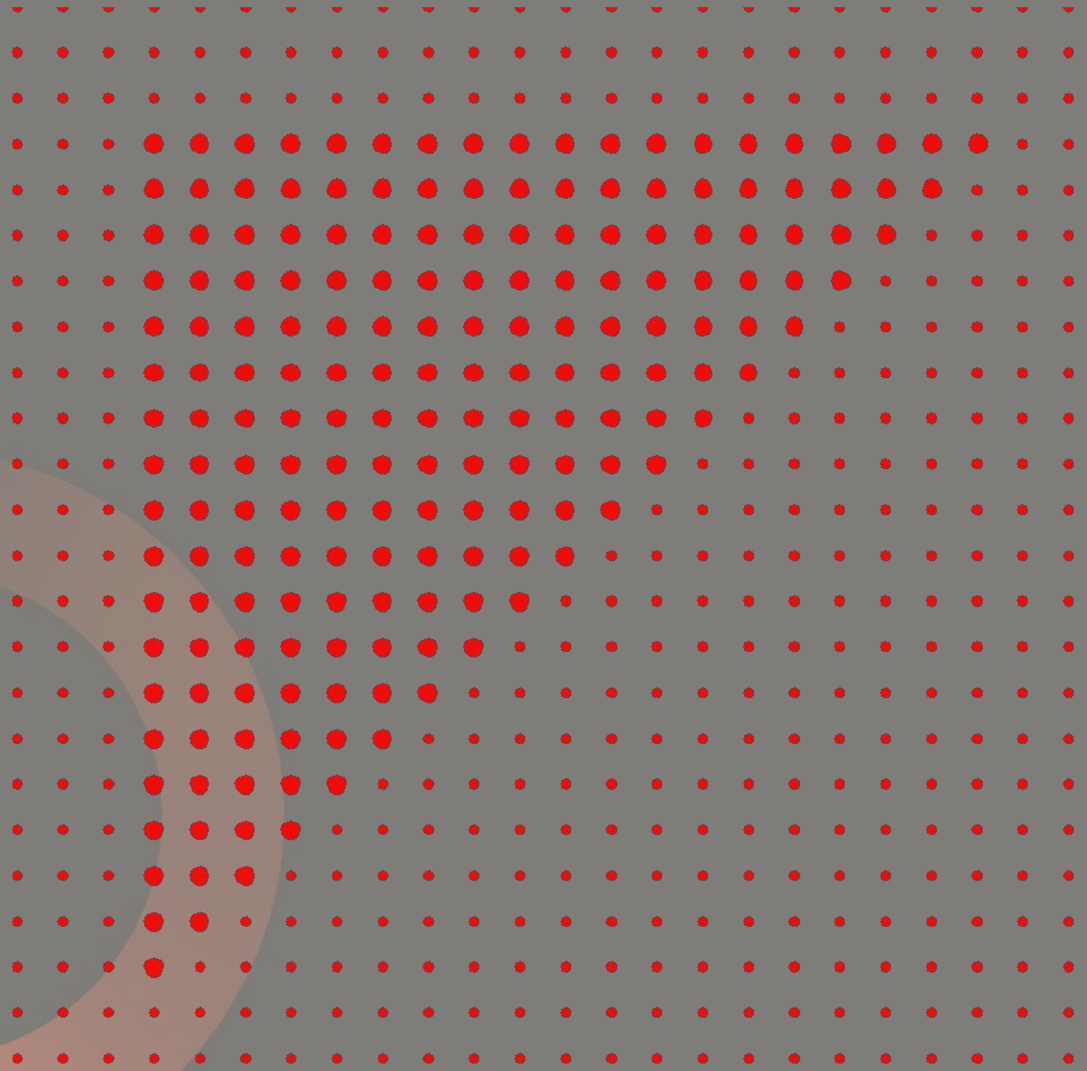
Superior storage

Advanced encryption and disaster recovery

05.

Perfect data integrity

Inherently incorruptible thanks to the Casper public blockchain



Get Started@

HeraSoft.com