SAF(E)W



SAFEW - Simple And Fast Ergo Wallet

The goal of the project was to provide an opensource wallet built for ergo, secure, simple and fast.

That would allow dApp developper to build project on top of Ergo blockchain with the best level of security and privacy for the users.

SAFEW is now usable, for example on the Ergodex, and changed drastically the user experience compared to old wallet.

No integration was required from the dApp team as the SAFEW dApp connector follows the EIP-12 specification.

It allows to sign Ergo transactions quickly and provides errors messages in case of failure.

SAFEW offers many features that contributes to improve the security and the privacy of dApps on the Ergo blockchain:

- Mnemonics are strongly encrypted in browser extension private area
- "ErgoPay" wallets to be able to use dApp but keep the mnemonic on another device
- Ledger ready (code committed in the ledger branch but the signed transactions are rejected due to an issue in ergo-ledger-app)
- Integration of the ErgoMixer, to be able to mix Ergs or tokens from the wallet UI and to manage the covert addresses
- Explorer and node URL used by the wallet are configurable
- Allow account derivation level to users in expert mode
- Show Json unsigned transactions with expert mode

The code of the project is available at: https://github.com/ThierryM1212/SAFEW/

In terms of specific features, SAFEW:

- Introduced "Hide used empty addresses" option
- Allows to select input addresses when sending funds
- Send multi asset transactions
- Allows a configurable change address for each wallet
- Displays unconfirmed transactions of the wallets with their balances in ERG and tokens, per wallet/account/address
- Displays the transaction history of a wallet with its balance in ERG and tokens
- Offers account and index derivation level for generating unused addresses
- Implemented BIP-44 address discovery
- Provides Backup/Restore feature for the wallet or the full configuration
- Has an EIP-12 compatible dApp connector
- Allows to convert a wallet to "ErgoPay" wallet (delete the mnemonic)



Next:

- Opera publication done, SAFEW is available on Opera beta store waiting for approval
- Chrome publication... when manifest v3 bug will be fixed
- Transaction builder integration
- Bug fixing

Greatings to:

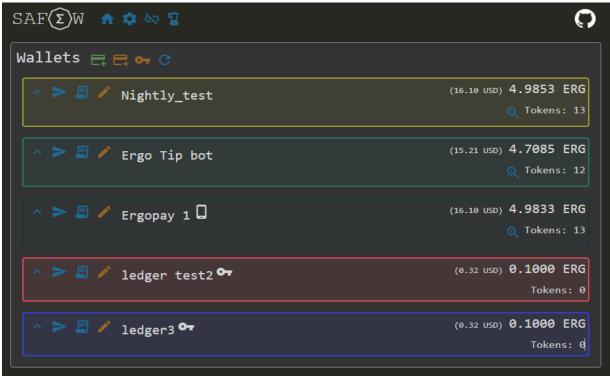
- SoCool, for its contribution in the ErgoPay wallets and design
- Nautilus team for the help in the ledger integration
- Anon_br for the help with Ledger setup and advices
- ErgoHack organizers for making the event happens

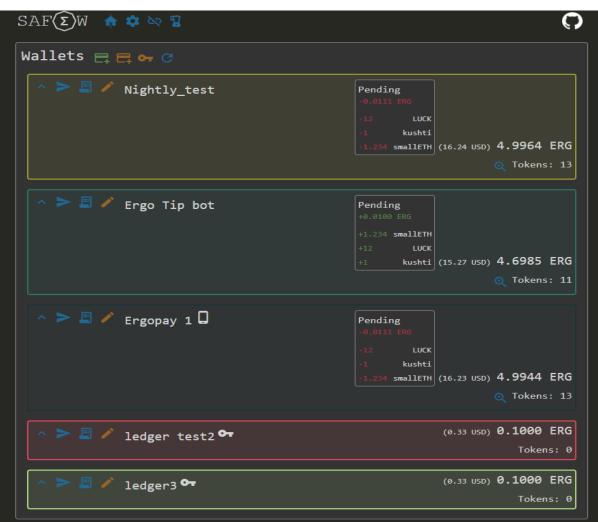
SAFEW to be pronounced "SAY FEW", stopping here 😉





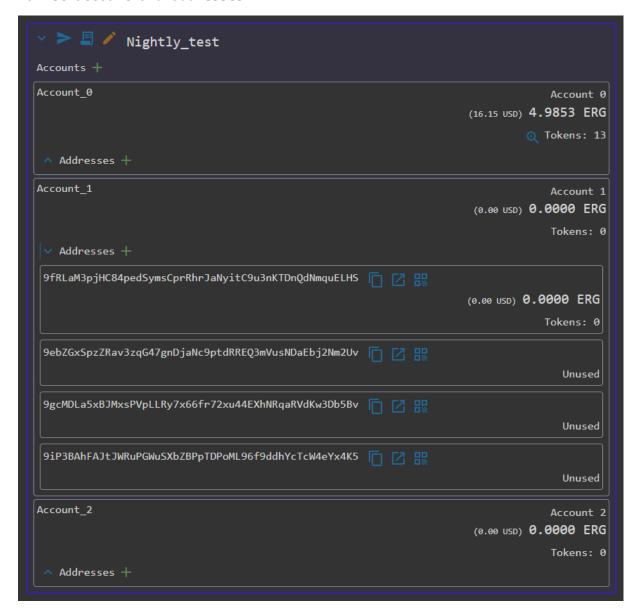
Wallet list







Wallet account and addresses



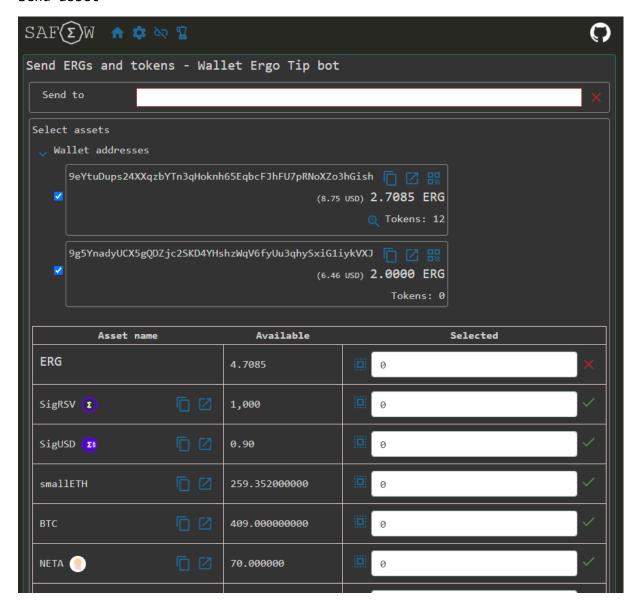


Transaction list



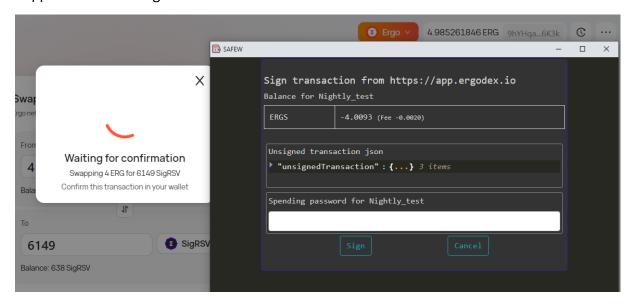


Send asset

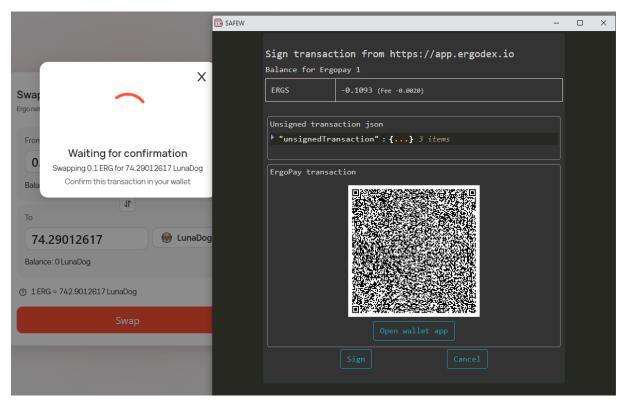




dApp connector sign with mnemonic

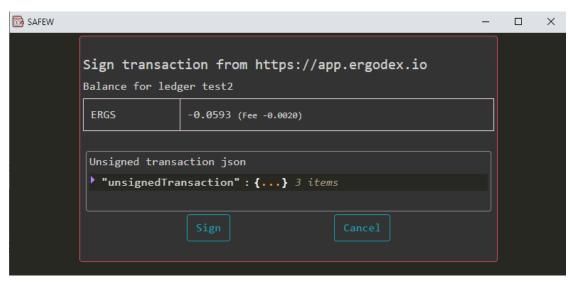


dApp connector sign with ergopay





dApp connector sign with ledger



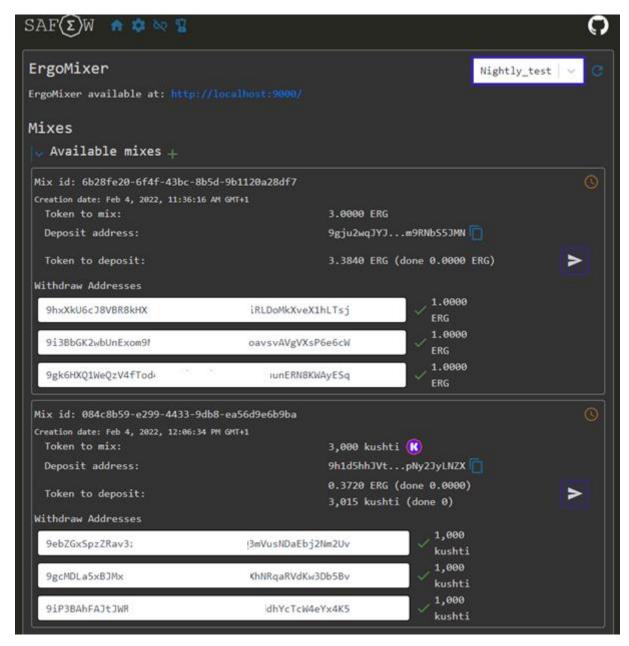








Mix ERGs or tokens





Manage covert addresses

