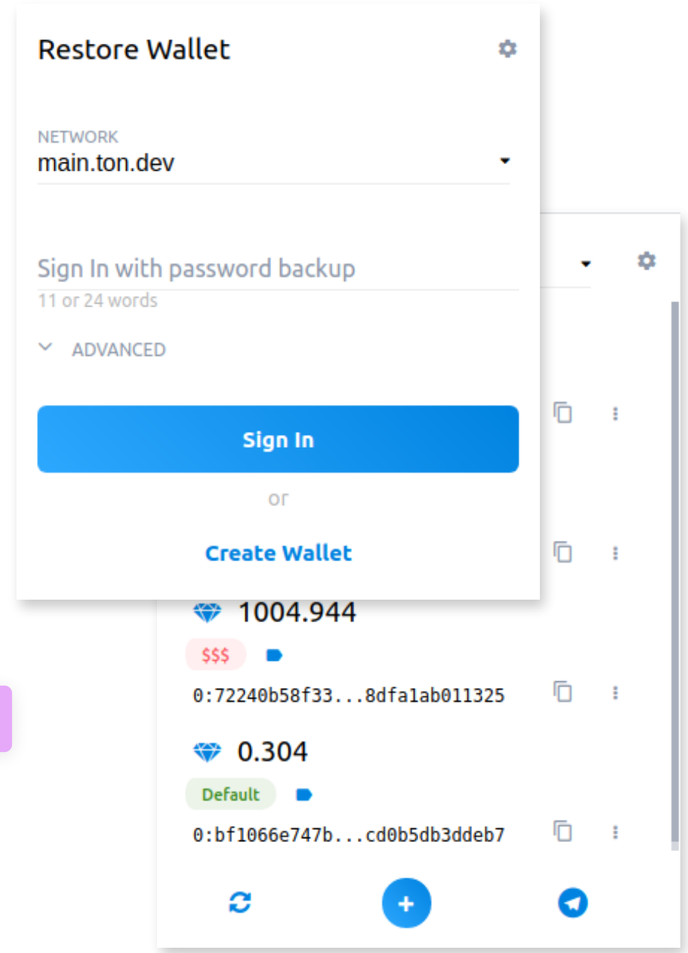
Feature-rich crypto wallet to interact with FreeTon blockchain network

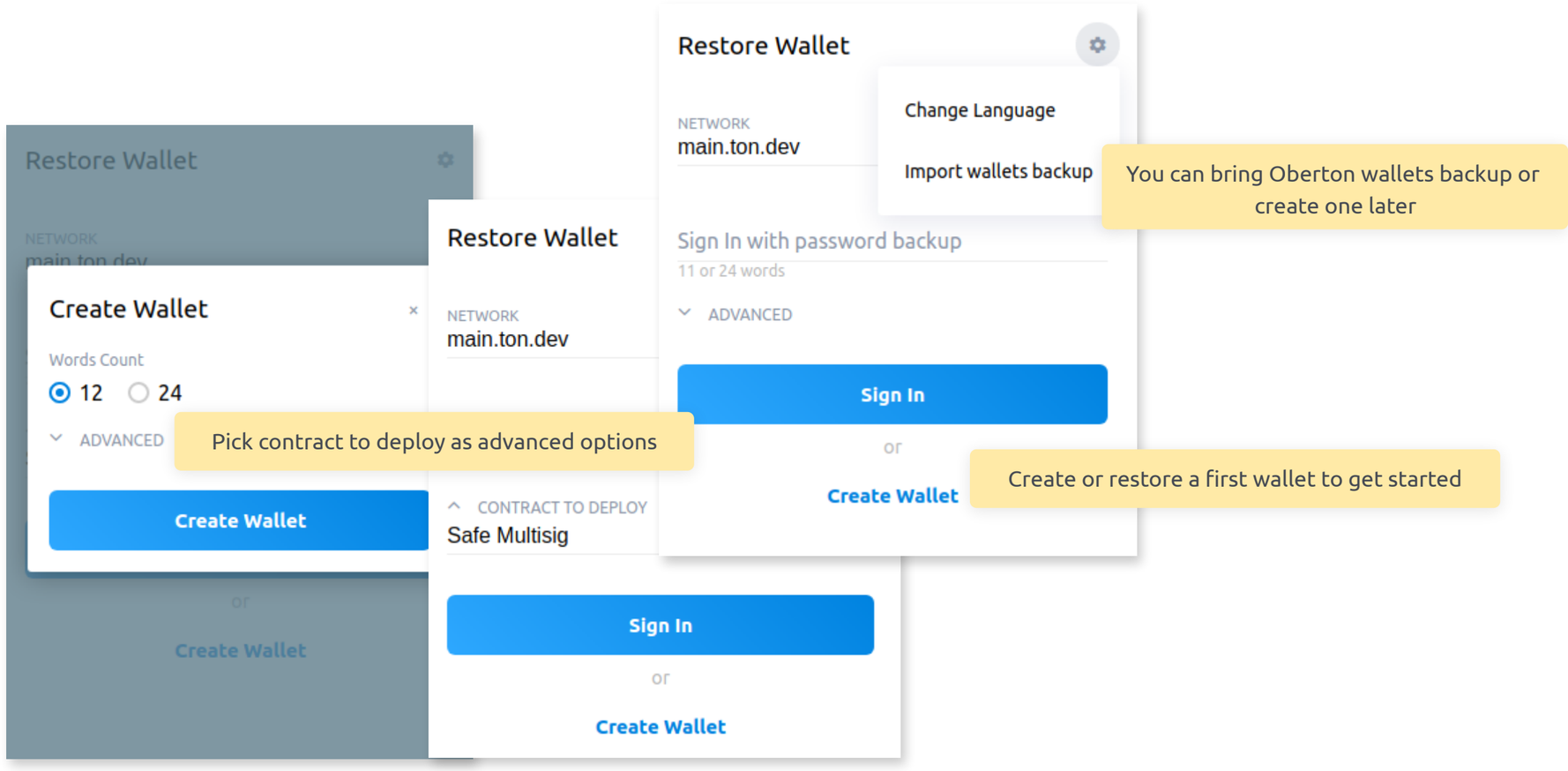
Oberton FreeTon extension

- Restore Wallets
- Import and export keys pair
- Backup and restore many wallets at once
- Multilanguage support
- Secure encrypted storage
- Set phrase words count
- Send tokens
- View transactions and messages with live updates
- Put stickers on wallets
- Sort wallets
- Balance Live updates
- Transactions with custom function
- Transactions with custom payload
- Clean and easy interface
- Create and confirm multisig transactions
- Create multisig wallets with custodians



Oberton FreeTon Chrome extension

Get started



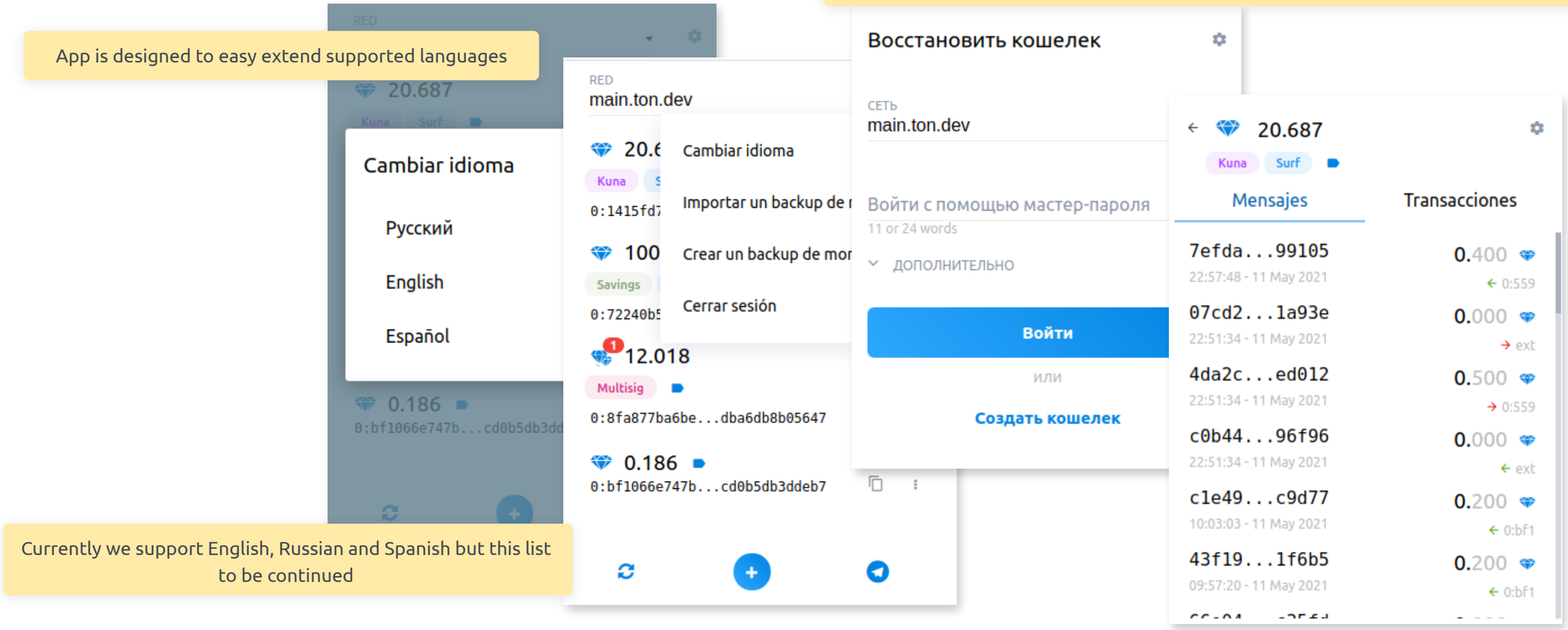
Oberton FreeTon Chrome extension

Get started

Mutilanguage support

App detects browser language to match to one of supported or fallback to English

App is designed to easy extend supported languages



Currently we support English, Russian and Spanish but this list to be continued

Oberton FreeTon Chrome extension

PIN, encryption and security

Wallets storage

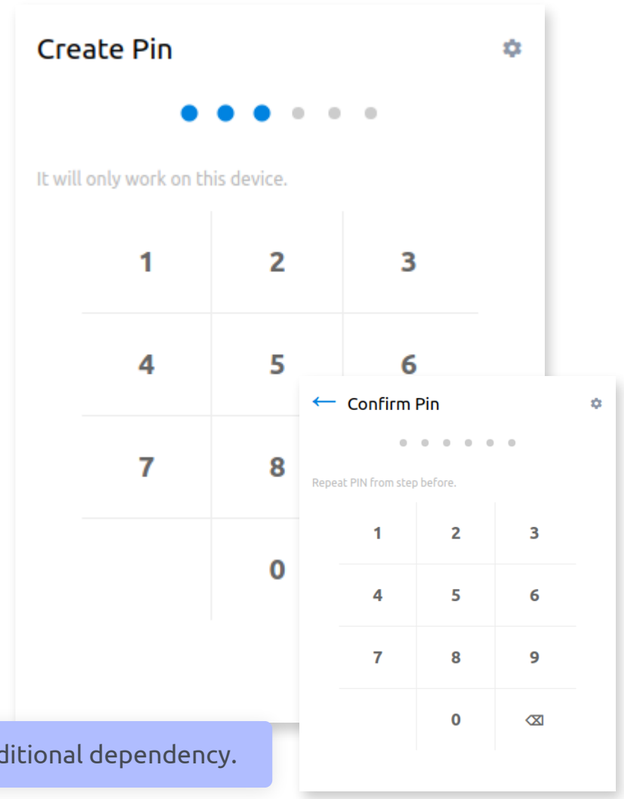
To add your first wallet you have to create PIN.

Then the app converts provided PIN to its SHA-512 hash sum

Then this hash sum (very long string, more the 1k symbols) is used as a passkey to encrypt added wallet with AES-256 algorythm.

All the wallets are stored locally and only you can decrypt it. Extension does not send your credentials to any remote server.

Each time you open the extension it requires to enter the PIN to decrypt stored wallets and to show them.



Other measures

CSP header in manifest.json tells Chrome to block every external script, as an additional security step.

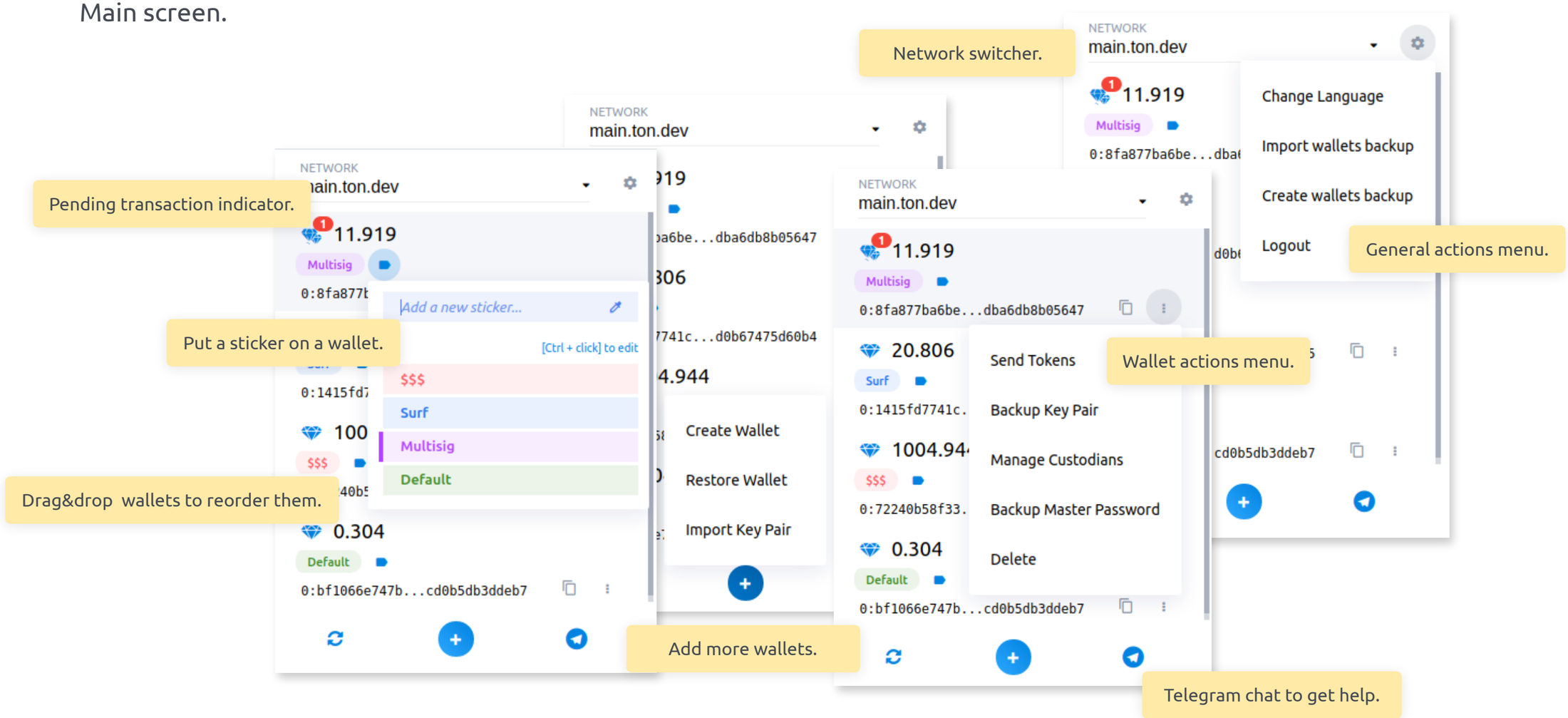
Only few well checked dependencies are included, a lots of UI things are implemented from scratch, to not to bring an additional dependency.

Only one required chrome permission - is the storage to store wallets. Nothing else.

Oberton FreeTon Chrome extension

App overview

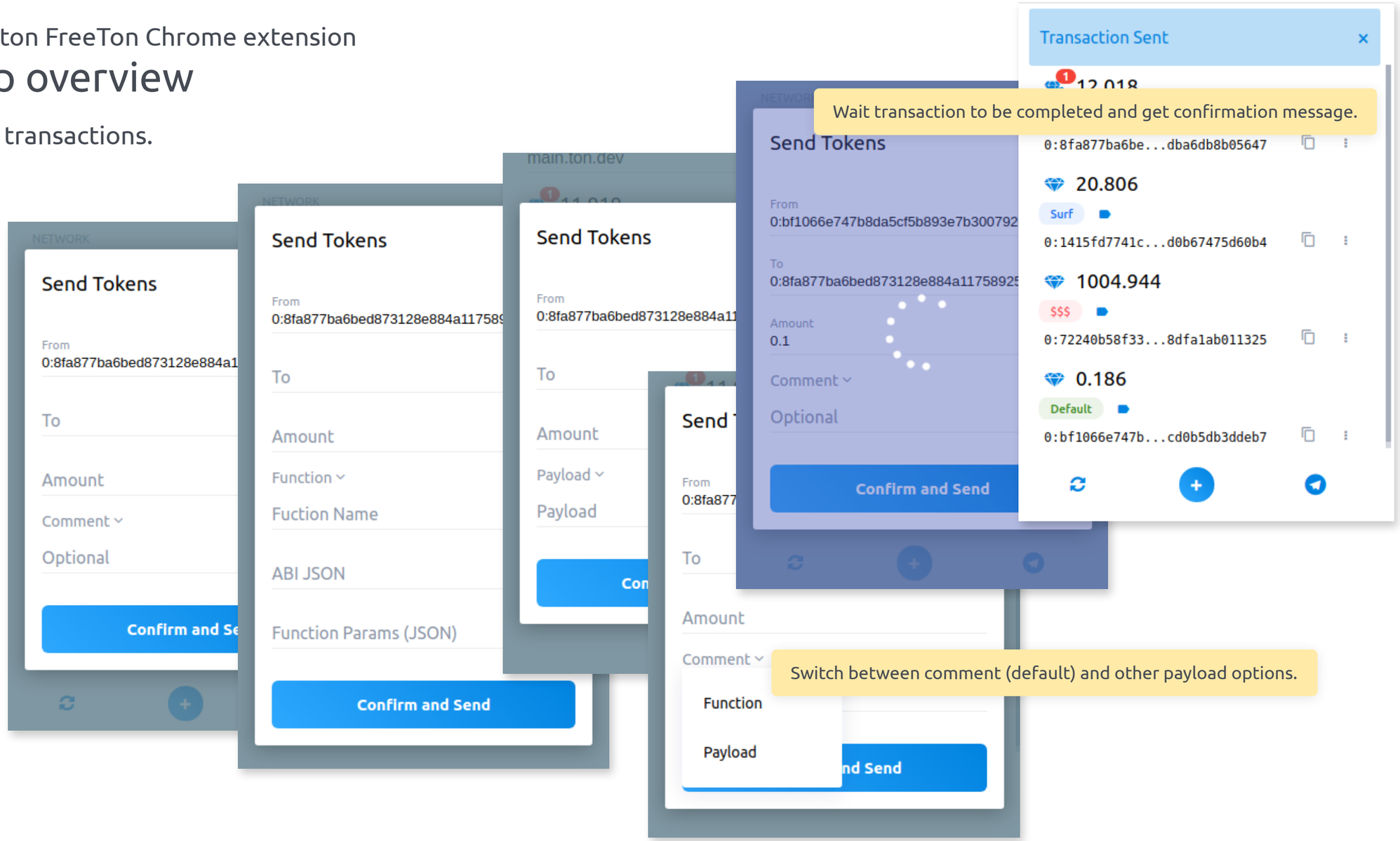
Main screen.



Oberton FreeTon Chrome extension

App overview

Send transactions.



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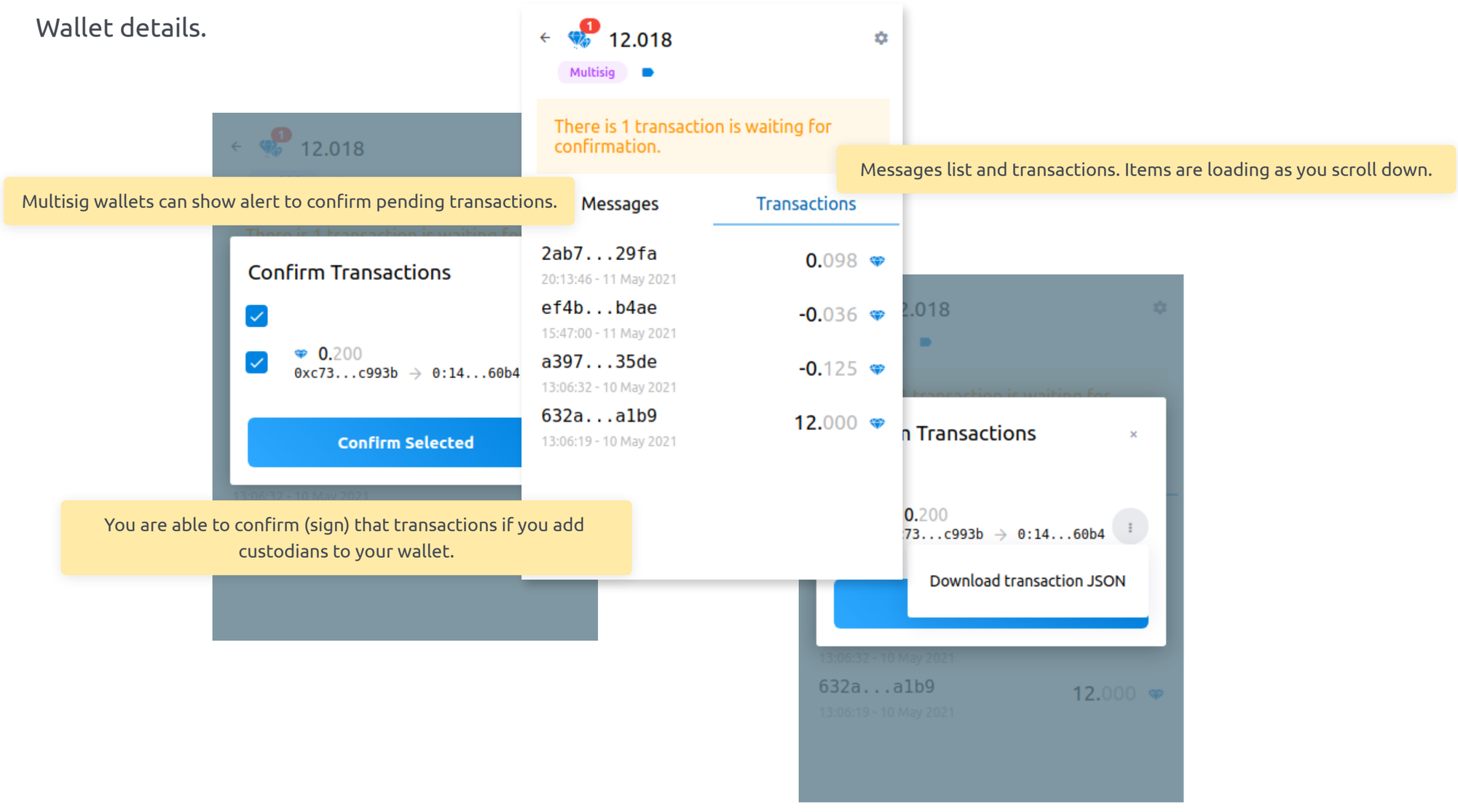
App overview

Wallet details.



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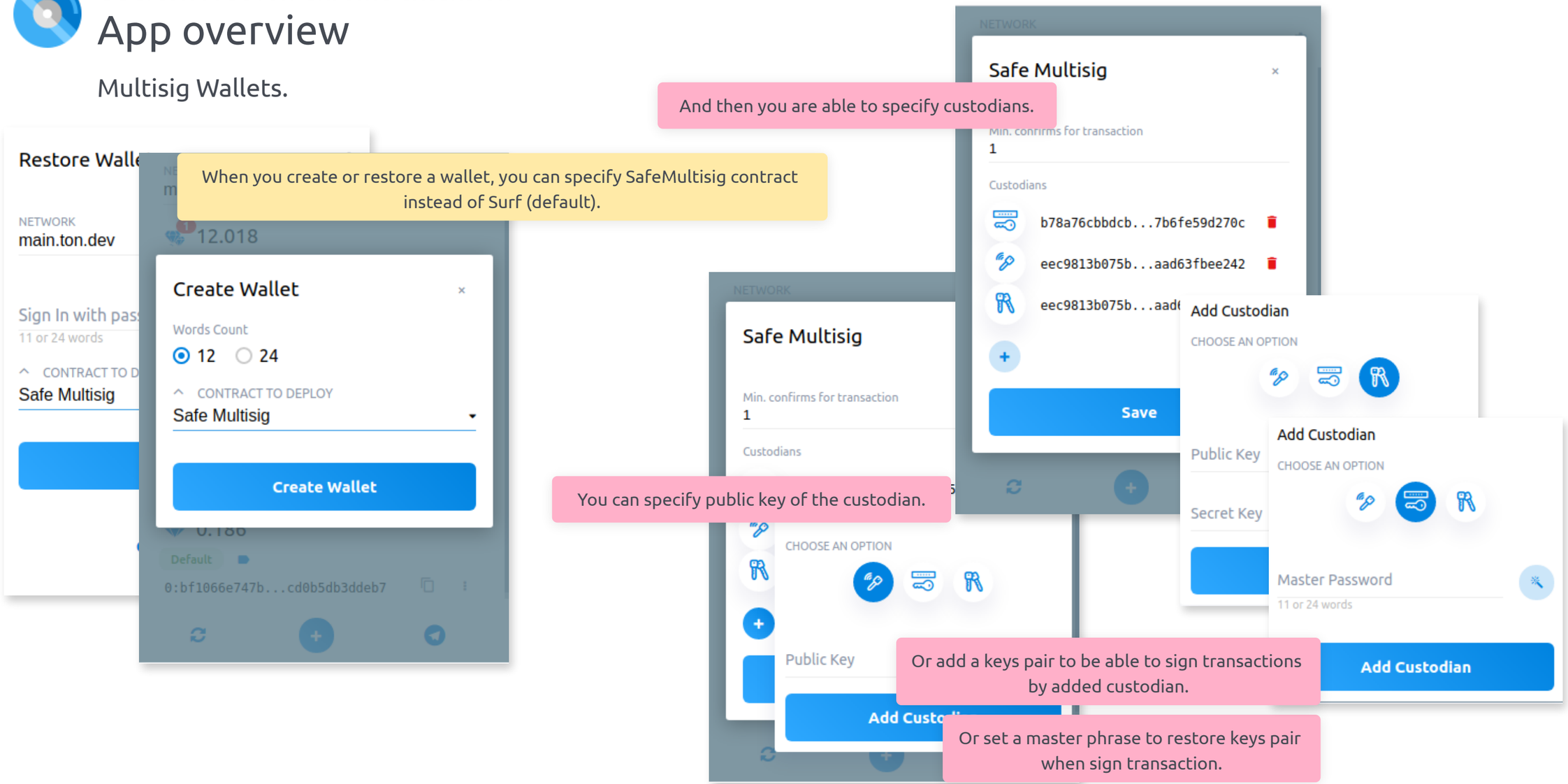
App overview

Multisig Wallets.



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Dependencies

We have only few depenencies, most of them are essential.

@tonclient/core @tonclient/web

to-hex package, that allows to convert string to hex, this library requires bignumber.js that doesn't require dependencies

lodash well known tool with many cool js methods, doesn't require dependencies

@popperjs/core nice tool to position dropdowns/tooltips, doesn't require dependencies

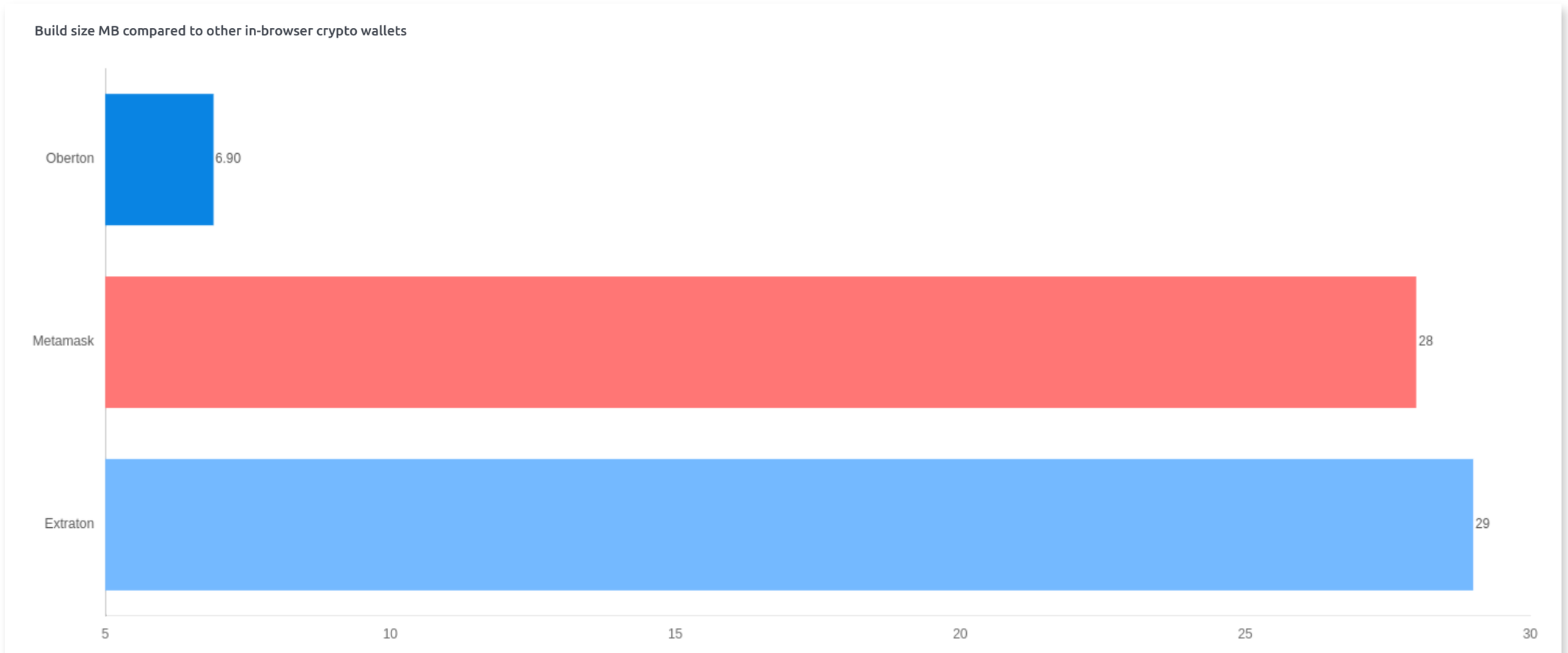
crypto-js tool to encrypt/decrypt storage and PIN code, doesn't require dependencies

svelte tiny but very usefull frontend framework, doesn't require dependencies

Oberton FreeTon Chrome extension

Dependencies

Being restrained in dependencies, allows us not only to be more secure but also get significant decrease in build size compared to similar tools available in Chrome Webstore.



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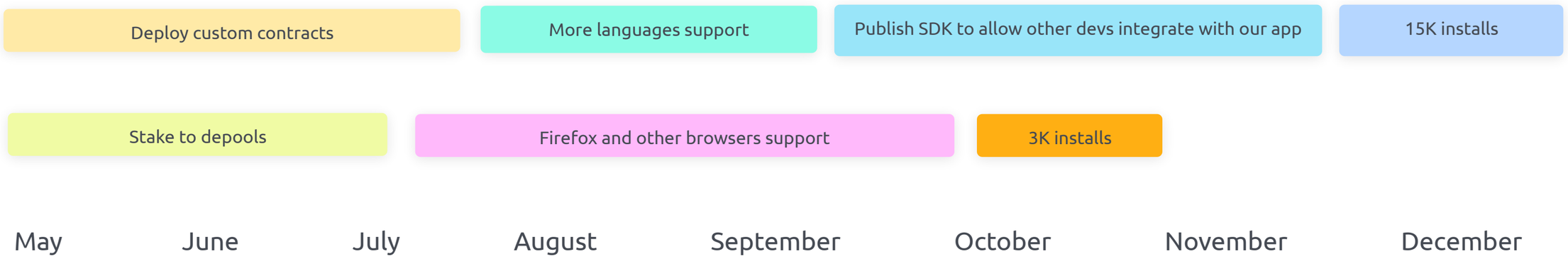
Goals

Short roadmap of key things that we are aimed to achive and implement.



Oberton FreeTon Chrome extension

Links

https://github.com/oberton/chrome_freeton_extension - github repo

https://github.com/oberton - to check out our other FreeTon projects

https://t.me/freeoberton - join our telegram channel, where we'll be publishing project news and answer questions

https://github.com/nerzh and https://github.com/babakhanov - contributors

Chrome Webstore link - is to be added once it got approved by Chrome team.