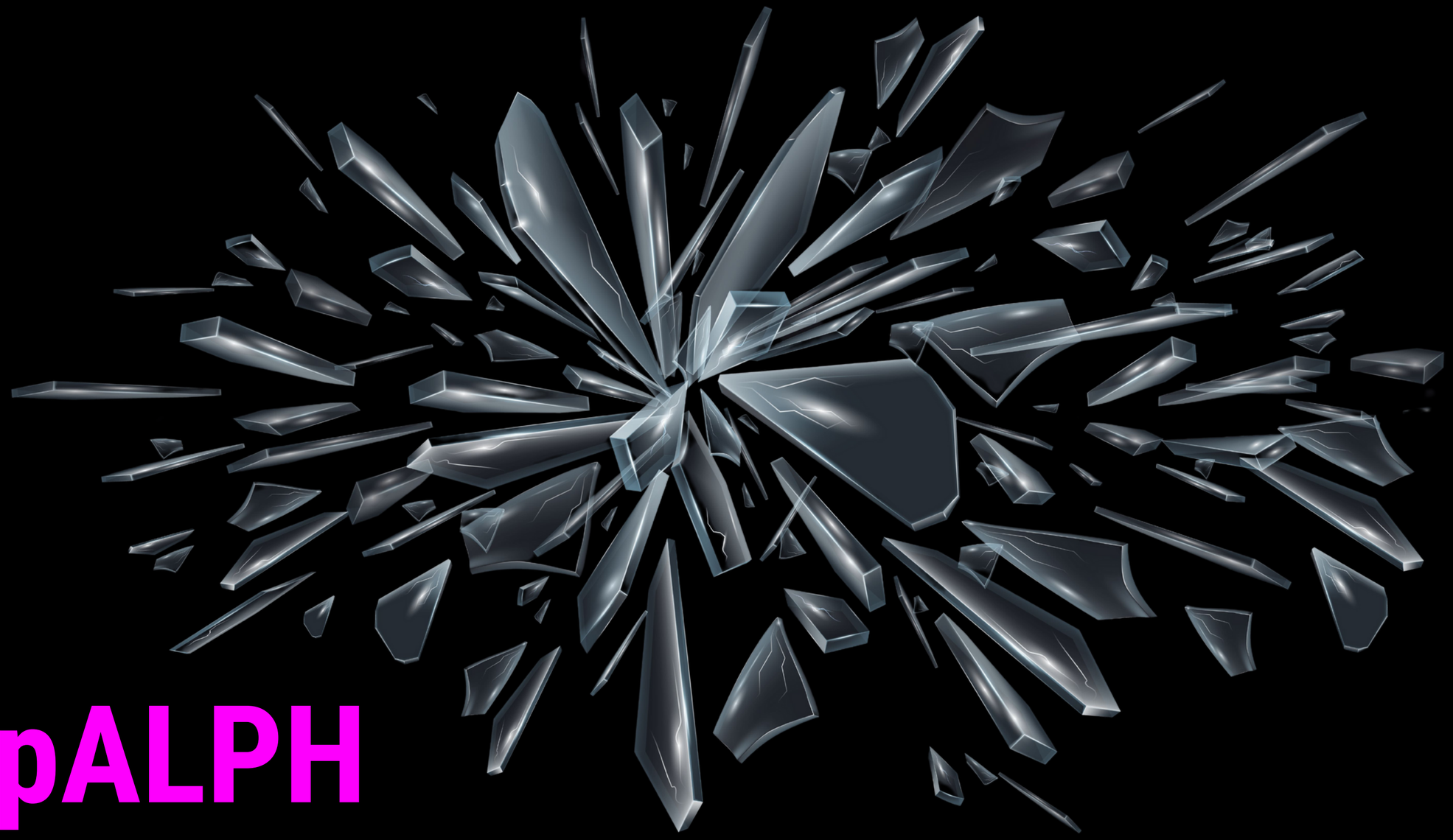


TipALPH

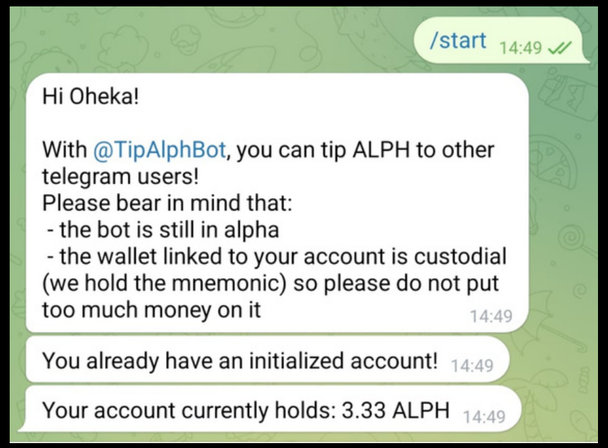
by No Trust Verify

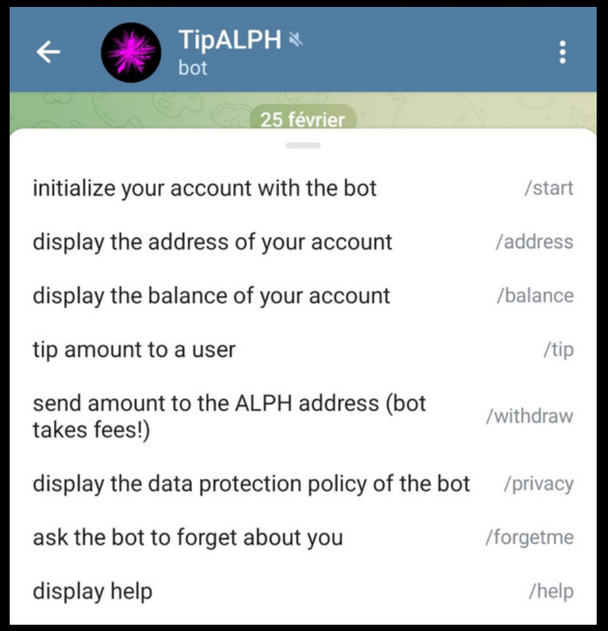
#The Mission

- Create a bot, similar to LightningTipBot but for Alephium, that lets you distribute $ALPH shards on Telegram
- Development of a user-friendly and functional demonstrator
- Boosting Alephium adoption

#User interface

The user simply has to interact with @TipAlphBot to use it.





- Tip a person
- Tip an answer
- Interact with wallet
- Top up & Withdraw

- Bot interaction commands

Give it a try !

#Technology

- **Typescript with Alephium SDK and SQLite**

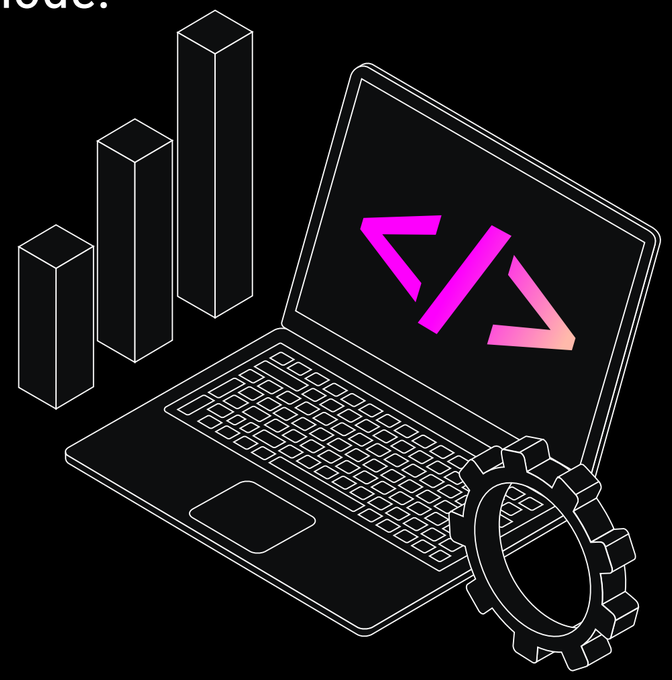
- **Telegram Bot** using Telegraf.js: definitions of the commands, filters (prevent other bots, filter out image, emojis..)

- **Alephium Client using Alephium SDK**: actions related to the Alephium fullnode: transferts, consolidation, wallet management.

- Database: **SQLite**

- **Modular** : allow for easier integration with other platform (discord,...)

- Connect with our Alephium Full Node



#Data management

- **Custodial wallet**: easier managment, simplified UX
- One single mnemonic for the entire app, leverage the PrivateKeyWallet of the SDK
- We only need to store an index, used to derive the telegram identifiers

For each user, we store:

- A number that is used to derive the user account from the mnemonic
- Telegram identifier (a number) and username of the user to retrieve its account
- Transactions, UTXO, ... are gathered from the Alephium Full Node when required

We do not store user messages, nor access user messages in groups !

#Future developments

- Multi-token support (e.g. $Ayin, etc.)
- Integration with dApps: Ayin, ALPH.bet
- Integration with other plateforms, such as Discord
- We'll monitor usage stats to track bot. The data will be published in our monthly reports
- Multilingual support

Thank you for your attention