

Please read first

lightWalletCLI

github.com/arionum/lightWalletCLI/blob/master/light-arionum-cli

Commands

github.com/arionum/lightWalletCLI/blob/master/README.md

We need 3 databases

Hash database: record gmail hash, just hash.no time,no linked wallet address.

Verified database: record verified address,just address,No other.

Promoter database: Link user and promoter wallet address,delete after 30 days.

All databases are public and can be queried through API.

We need the data server to do this

Send a verification code to gmail and confirm the verification code.

Add the corresponding data to the database.

Notify the wallet server to send the corresponding iakc asset.

Blacklist: Reject data sent by blacklisted websites.

The wallet server

For security, we need a separate server as the wallet for sending assets.

php command

Generate 100 IAKC asset

asset inflate [amount]

send to wallet address

asset send [asset id] [destination] [amount]

for example

```
./light-arionum-cli asset inflate 100
```

```
./light-arionum-cli asset send
```

```
2WGtvoV1LxvBpYHXpYHFoDb9XGR3Cig1LE8bUK2d6hMB7mpaVPKgFhCqsFsZTGbTZvH  
TKydJ7QThZwHYAjPSMthk
```

```
21iNVsixrfQC6jE9sHgxbgz4aP1JpfKBBEaOMFJKHhJNtdzPaEQW1drpfuqfdX5ijTKsUnGv55  
fYfiQhmNis1khq 100
```

These are two backend servers,related functions also need a faucet website.

iakc asset faucet website procedure

get the user gmail address and wallet address

for example

user enter the wallet address and gmail address

21iNVsixrfQC6jE9sHgxbgz4aP1JpfKBBBeAoMFJKHhJNtdzPaEQW1drpfuqfdX5ijTKsUnGv55
fYfiQhmNis1khq
wwsrjdf@gmail.com

Then

```
<?php  
$str = "wwsrjdf@gmail.com";  
echo md5($str);  
?>
```

29c41e67e5c53c8b2a666829b9a6e265

show this in the webpage

mark hash: 29c41e67e5c53c8b2a666829b9a6e265

Look for 29c41e67e5c53c8b2a666829b9a6e265 in the data server hash database.

If the hash already exists in the database.

show the gmail address is already in use, please use another address.

If hash not exists

Send gmail address to data server



Send verification code and wallet address to data server

Receive notification that everything is done



Send promoter address and choose get iakc asset or ibdc asset

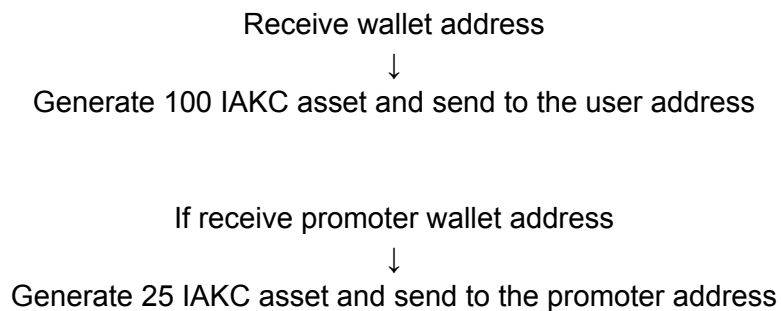
The data server procedure

Look for gmail hash in the hash database,if the hash already exists,do nothing.

If hash not exists



The wallet server procedure



iakc asset faucet webpage

wwsrjdf@gmail.com

Send code After clicking, send the gmail address to the data server.

Enter verification code

Enter your wallet address

Request 100 IAKC After clicking, send code and wallet address to the data server.

mark hash: 29c41e67e5c53c8b2a666829b9a6e265

Wallet addresses are anonymous, only mark this hash to prevent abuse.
No one can find gmail address with this hash.

IAKC need 0.00000002 ARO Per-Send Fee
Transaction fee is 0.00000001 ARO
Destination account receive 0.00000001 ARO

So you have received 0.00000100 ARO
If in the future you don't have aro to send IAKC, you can use IAKC to buy.

why we need this.
Because iakc transactions are based on the Arionum Blockchain.
So your iakc data is stored scattered all over the world.

The webpage only needs these, the creator can modify the style by himself.
Promoter address and choose can be edited in the source code.

for example

```
"5Jt5WdzGy4Hk5VqyS5AuAqYKN8V4U18346JR7YBJth9N4RbH1wnDuMAAbvjW6XaajRN  
1ruqVSTX9MVNuYf2Xbcw9 iakc"
```

The aro faucet webpage and procedure

Enter your wallet address

I'm not a robot

Request some ARO

After clicking, send aro to this address.

0.00095321 ARO has been sent.

You can request again after 24 hours, each time the amount is random.

Time interval calculation is based on IP address.

Random amount and time interval can be edited in the source code.

for example

```
"0.00100000-0.00000010" "24"
```

You can use IAKC to buy ARO

1 IAKC = 0.00000010 ARO This ratio is set by the website creator in source code.

5Jt5WdzGy4Hk5VqyS5AuAqYKN8V4U18346JR7YBJth9N4RbH1wnDuMAAbvjW6XaajRN1r
uqVSTX9MVNuYf2Xbcw9

Send IAKC to this address, you will automatically receive the corresponding ARO

The website creator can install the lightWalletCLI on another server or on the website server.

send aro command

```
./light-arionum-cli send [address] [amount]
```

If.. then ..

All code will be open source on github, everyone can easily build their own website.