operationblockchain.org

Decentralized Identity for All

Own your identity. Manage your reputation. Control your data

uport

PROBLEM

We have different identities in a lot of different platforms

Password management

YAHOO!

Google

BITFINEX

BINANCE

Instagram

Medium

steemit

twitter

FOR ORGANIZATIONS

Limited information sharing

Prevent collaboration, interoperability and efficiency

Single point of failure: vulnerable to attack

FOR USERS

Many physical documents: ID, driver licence, etc.

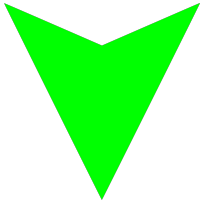
Repetitive account creation

Inconvenience of managing multiple passwords

Outdated information in various organizations

IDENTITY WITH BLOCKCHAIN X BLOCKCHAIN IDENTITY

Managing multiple passwords



Unique persistent identity

SOLUTION

Self-sovereign identity

User stores his identity on the device

You Share with whomever you wish

No relying on a central repository

SELF-SOVEREIGN IDENTITY PLATFORM

Identity and personal data held by the user

Claims and declarations can be issued and verified

Users selectively allow permission to access data

Data only need to be checked once

DECENTRALIZED IDENTITY SYSTEM

1. Smartphone generates keys, maps to contract

2. Blockchain: provides trust

3. Entities issue credentials to users

DIFFERENT EXCHANGES

Binance	Nível 3
Bitfinex	Nível 2
Bittrex	Nível 3
HitBTC	Nível 2
Huobi	Nível 3

No need to verify your trader level

all over again in a different exchange

INTRODUCING UPORT

Log in without passwords (your identity on the Ethereum network)

You decide which information to share

Confidence built revealing only needed data

Unique identity in the Ethereum network

No use for password, single session start

Keys are held by the user, stored on the smartphone

App on iOS & Android

ETHEREUM USER-FRIENDLY

Log in on Ethereum dapps with your smartphone

You can create a unique profile with multiple data

Store credentials, declarations, verifications

WHAT IS AN UPORT IDENTITY?

Permanent identity on the Ethereum network

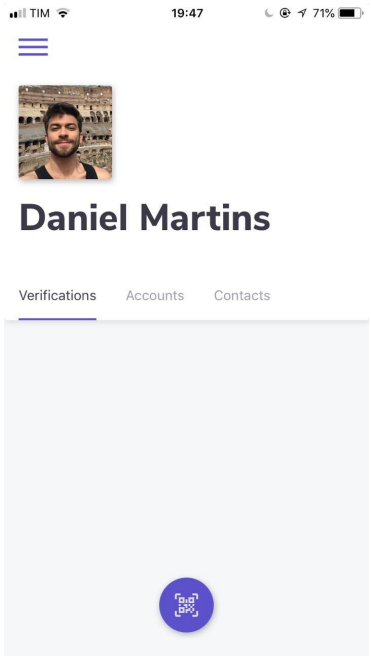
Smart contract controls your identity

Collection of credentials acquired through day-to-day interactions

Verified user data or claims that belong to the user

Represents your reputation

SCREENS


TIM
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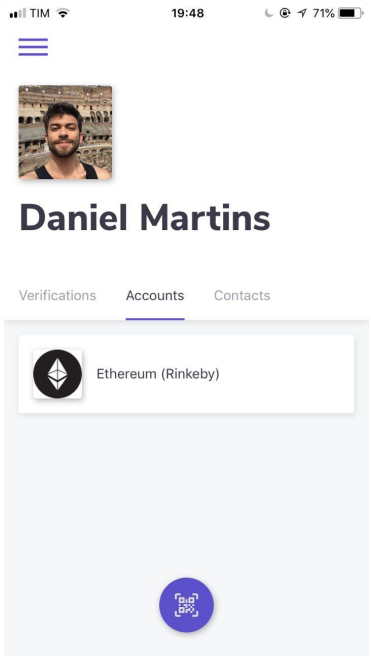
71%
Daniel Martins
Verifications
Accounts
Contacts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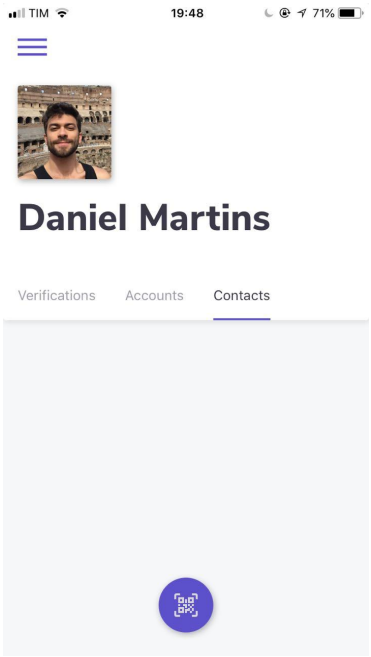
Daniel Martins
Verifications
Accounts
Contacts
Ethereum (Rinkeby)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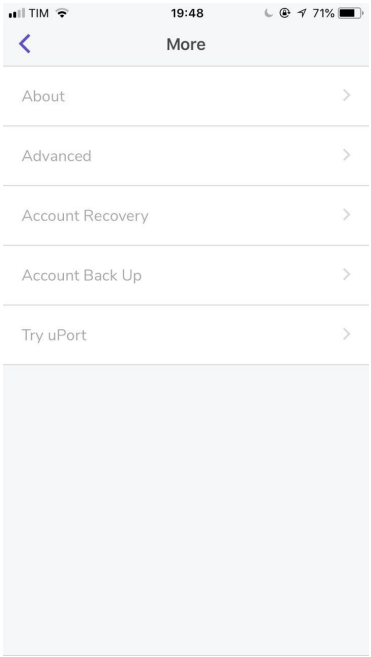
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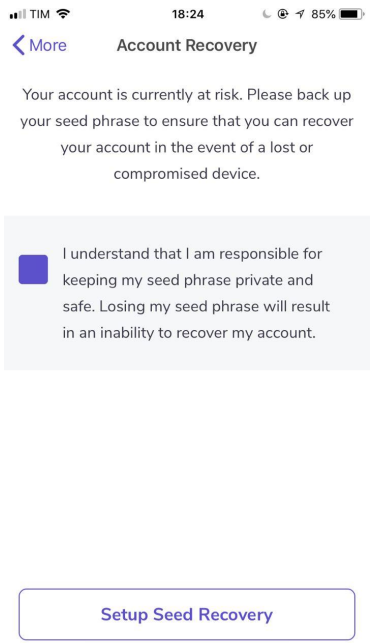
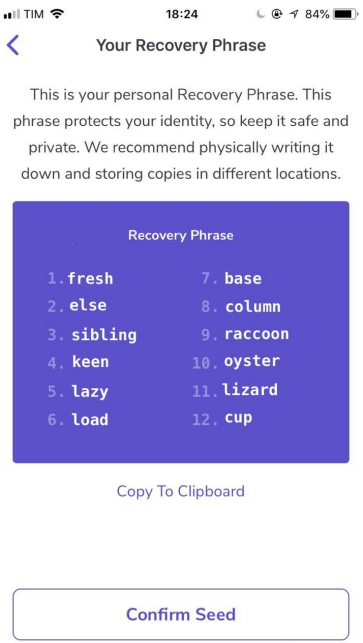
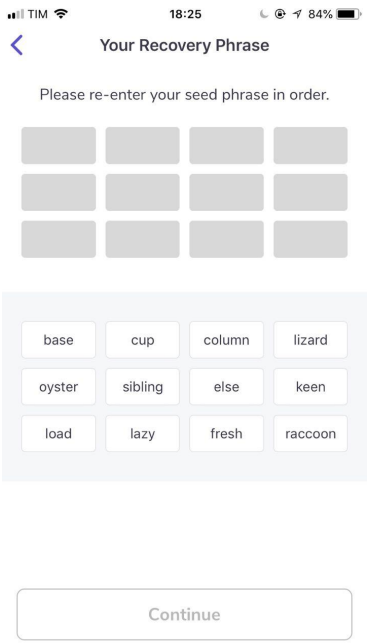
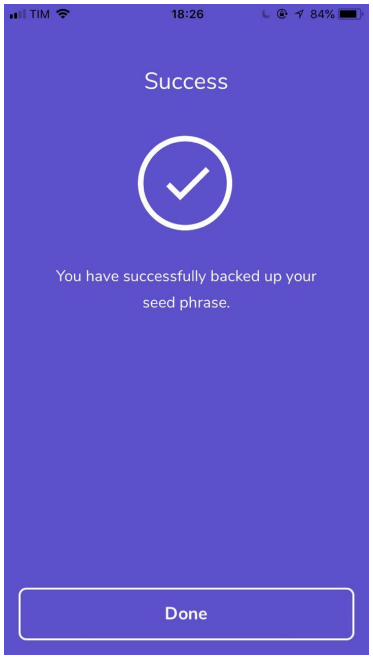
More
About
Advanced
Account Recovery
Account Back Up
Try uPort

ACCOUNT RECOVERY









INTELLIGENT LOGIN FLOW

1. User:

- Ok, I want to log in.

2. uPort:

- Do you have an account for this app? If not, let me create one for you (single sign-on).

3. User:

- I already have one. Here it is.

WHO USES UPORT?

End-users

Developers

DApps

Exchanges

Private companies

Government (Switzerland, Brazil)

DEVELOPERS POINT OF VIEW

Valid driver license?

User over 18?

Valid certificate?

Reputation: Uber, Airbnb, Ebay...

USE CASE

https://goo.gl/ST6TnK

City of Zug, Switzerland

Self registration using uPort

Your decentralized identity is verified by the system accessing the local certification authority (CA)

Access to governmental services

Verifications tab: "Zug Digital ID verification"

USE CASE

http://bit.ly/2Y8QA8L

Ministry of Planning, Brazil

MVC

Verification of documents registered in a notary's office

DOCS

https://developer.uport.me

- Learning guides and examples

- Library documentation

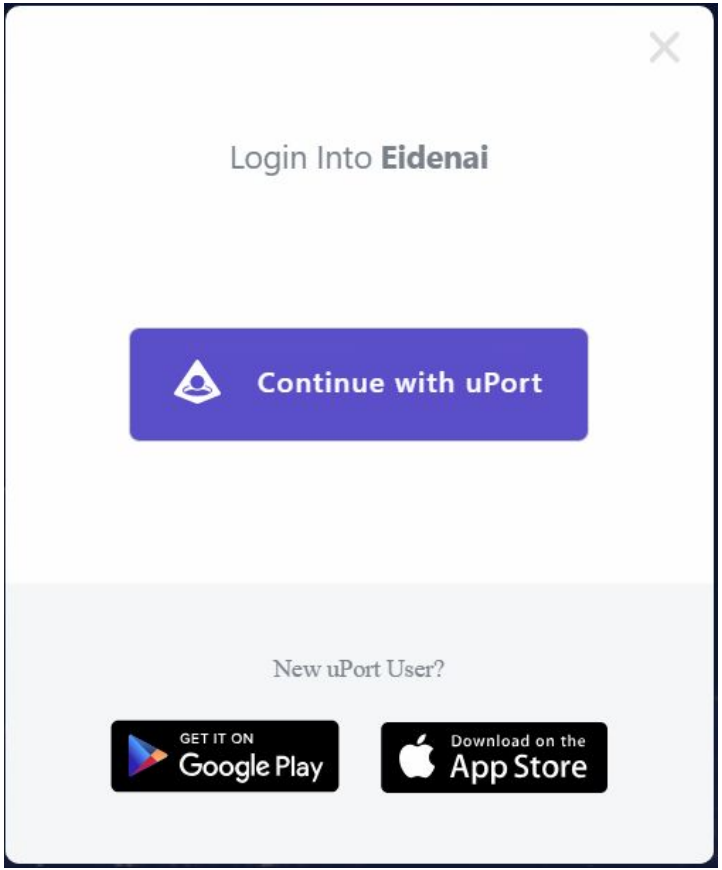
- App manager (registration of your dapps)

- Developer Chat (Gitter)

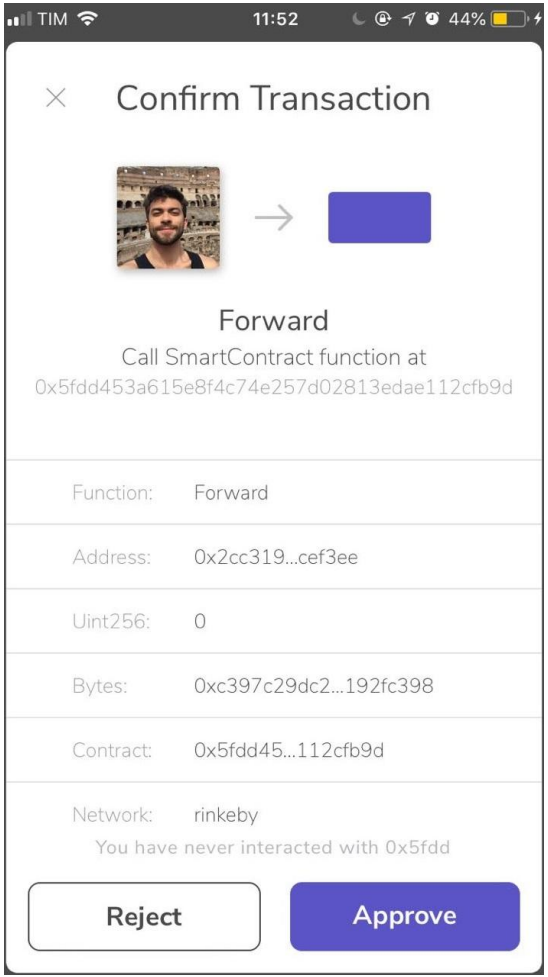
- Blog

LOGIN

https://eidenaiethereum.firebaseapp.com/?#/


Login Into **Eidenai**
Continue with uPort
New uPort User?
GET IT ON Google Play
Download on the App Store

Scan QR code with uPort Mobile App


TIM
11:52
44%
Confirm Transaction
Forward
Call SmartContract function at
0x5fdd453a615e8f4c74e257d02813edae112cfb9d
Function: Forward
Address: 0x2cc319...cef3ee
Uint256: 0
Bytes: 0xc397c29dc2...192fc398
Contract: 0x5fdd45...112cfb9d
Network: rinkeby
You have never interacted with 0x5fdd
Reject
Approve

Name: Daniel Martins

Country: BR

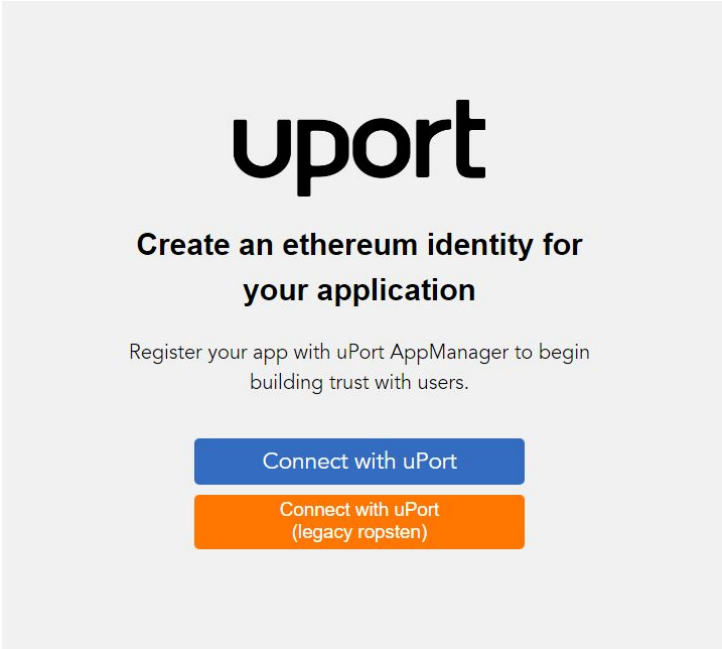
Public Key: 0x041aba2677587690f7e95afe5352121a9c15f52f51f10315389786de9c28a154d6de0fb79cdbec5da738f2dfa63411669281dc77495a8321703af495b696451f9e

Public Encryption Key: vC9XGzkDVT0qTxAHXZHBgqoo97CZLneX0xht5lLJIzM=

0x Address: 2ogJ2qKYTPiqhNxXqXE4xb42WQPZo4RhD3J

DAPP LOGIN EXAMPLE

https://appmanager.uport.me/



RESOURCES

https://www.uport.me/

https://developer.uport.me/

http://appmanager.uport.me

https://github.com/uport-project/

https://medium.com/uport