



[operationblockchain.org](https://operationblockchain.org)



# Decentralized Identity for All

Own your identity. Manage your reputation. Control your data



# PROBLEM

**We have different identities in a lot of different platforms**

**Password management**

uport

Google



YAHOO!

BITFINEX 

 BINANCE



Instagram

Medium

 steemit



# 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

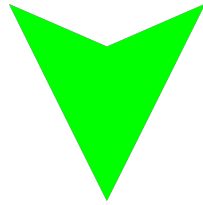
Inconvenience of managing multiple passwords

Outdated information in various organizations

uport

# 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

The Uport logo is a large, light purple watermark in the background. It features a stylized white icon of a person's head and shoulders inside a triangle, with the word "uport" in a lowercase, rounded font below it.



# SELF-SOVEREIGN IDENTITY PLATFORM

A large, light purple watermark of the Uport logo is centered in the background. It features a stylized triangle with a circle inside, and the word 'uport' in a lowercase, rounded font below it.

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

The Uport logo is centered in the background. It features a light purple triangle containing a white circle with a stylized person icon inside. Below the triangle, the word "uport" is written in a light purple, lowercase, sans-serif font.

# 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

The logo for uport, featuring a large, light purple triangle with a white circle inside, and the word "uport" in a light purple, lowercase, sans-serif font below it.

# WHAT IS AN UPORT IDENTITY?

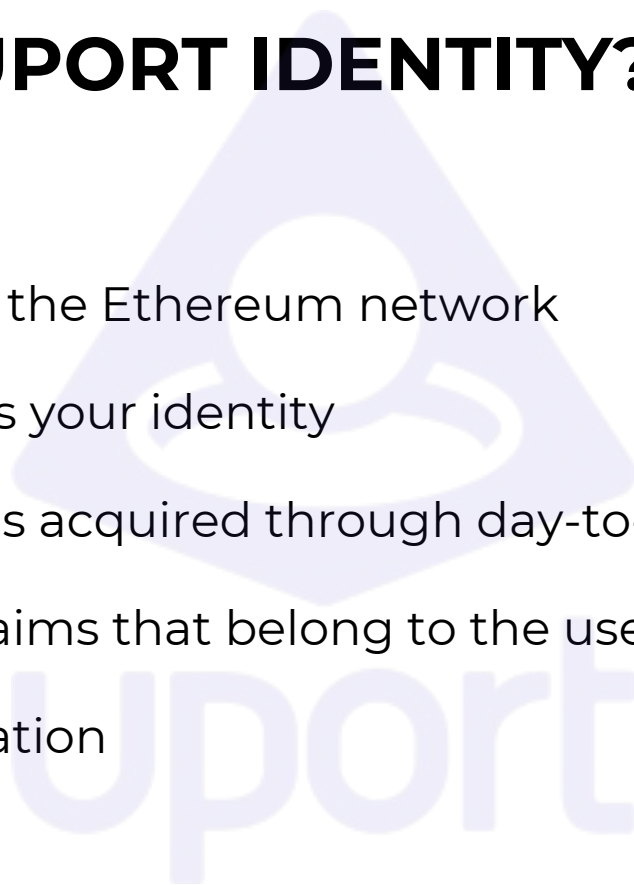
Permanent identity on the Ethereum network

Smart contract controls your identity

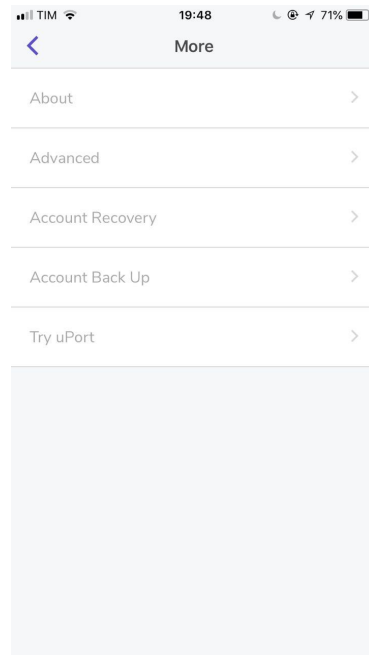
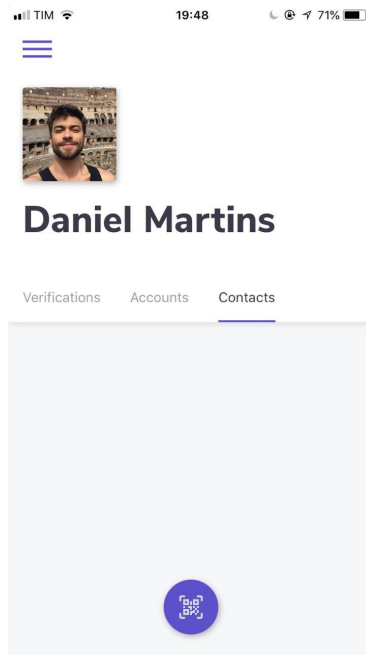
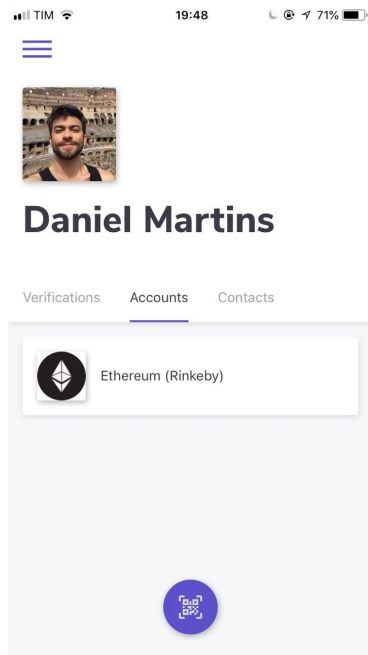
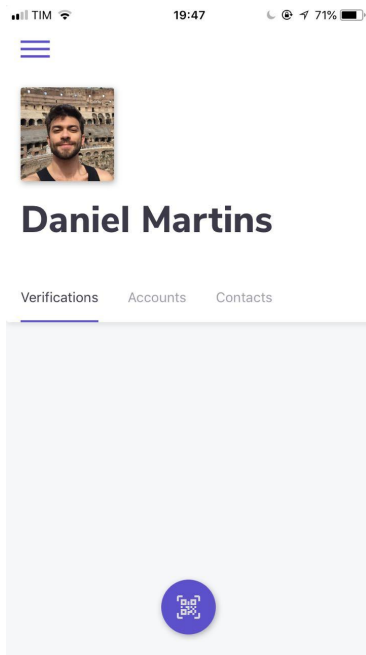
Collection of credentials acquired through day-to-day interactions

Verified user data or claims that belong to the user

Represents your reputation



# SCREENS



# ACCOUNT RECOVERY

18:24 85%  
< More Account Recovery

Your account is currently at risk. Please back up your seed phrase to ensure that you can recover your account in the event of a lost or compromised device.

☐ I understand that I am responsible for keeping my seed phrase private and safe. Losing my seed phrase will result in an inability to recover my account.

Setup Seed Recovery

18:24 84%  
< Your Recovery Phrase

This is your personal Recovery Phrase. This phrase protects your identity, so keep it safe and private. We recommend physically writing it down and storing copies in different locations.

Recovery Phrase

1. fresh	7. base
2. else	8. column
3. sibling	9. raccoon
4. keen	10. oyster
5. lazy	11. lizard
6. load	12. cup

Copy To Clipboard

Confirm Seed

18:25 84%  
< Your Recovery Phrase

Please re-enter your seed phrase in order.


base	cup	column	lizard
oyster	sibling	else	keen
load	lazy	fresh	raccoon

Continue

18:26 84%

Success



You have successfully backed up your seed phrase.

Done



# INTELLIGENT LOGIN FLOW

A large, light purple watermark of the uPort logo is centered in the background. It features a stylized person icon inside a triangle above the word 'uport' in a lowercase, sans-serif font.

## 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

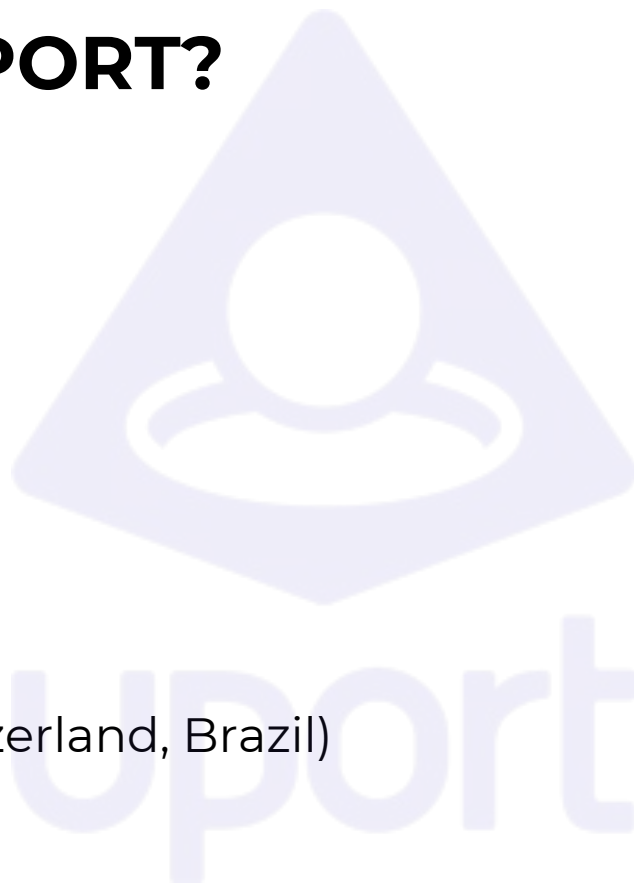
Developers

DApps

Exchanges

Private companies

Government (Switzerland, Brazil)



# DEVELOPERS POINT OF VIEW

Valid driver license?

User over 18?

Valid certificate?

Reputation: Uber, Airbnb, Ebay...

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# 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

uport

# DOCS

<https://developer.uport.me>

- Learning guides and examples
- Library documentation
- App manager (registration of your dapps)
- Developer Chat (Gitter)
- Blog



# LOGIN

<https://eidenaiethereum.firebaseio.com/?#/>

uport



Login Into **Eidenai**



Continue with uPort

New uPort User?







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



**Daniel Martins**



**Name:** Daniel Martins

**Country:** BR

---

**Public Key:** 0x041aba2677587690f7e95afe5352121a9c15f52f51f10315389786de9c28a154d6de0fb79cdbec5da738f2dfa63411669281dc77495a8321703af495b696451f9e

**Public Encryption Key:** vC9XGzkDVT0qTxAHXZHBgqoo97CZLneX0xht5ILJizM=

**0x Address:** 2ogJ2qKYTPiqhNxXqXE4xb42WQPZo4RhD3J

# DAPP LOGIN EXAMPLE

<https://appmanager.uport.me/>

The logo for uPort, featuring the word "uport" in a bold, lowercase, sans-serif font.

**Create an ethereum identity for  
your application**

Register your app with uPort AppManager to begin  
building trust with users.

Connect with uPort

Connect with uPort  
(legacy ropsten)

# RESOURCES

<https://www.uport.me/>

<https://developer.uport.me/>

<http://appmanager.uport.me>

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

<https://medium.com/uport>