

토크박스

질문 답변

연재 강좌

정보 자료



이더리움 주간 뉴스(17.04.23)
 CoinKorea 캘린더 공유
 이더리움 데브미팅 14 기록 (4/21)
 라이스대 비지니스 블록체인 컨퍼런스 시리즈
 4월 4주차 가상화폐 관련 뉴스입니다.
 이더리움 네임 서비스(ENS) 재론칭



검색

이더리움 dApp 블록체인 비트코인 Pos Ico ens 코스모스

블록체인 2.0 | 라이스대 비지니스 블록체인 컨퍼런스 (5) 허나오 | ^_^ TALK을 활용하여 다양한 온/오프라인 이벤트 및 체인톡 별도 프로젝트 참여

작성자 atomrigs (50.♡.129.♡) 17-04-28 06:09 조회 96회 댓글 1건

목록

라이스대에서 있었던 블록체인 컨퍼런스 자료 시리즈입니다.

앞 편들은 다음 링크에서 찾아 보실 수 있습니다.

1편 (Consensys, MicroSoft, IBM)

<http://www.chaintalk.io/archive/lecture/673>

2편 (Hyperledger, R3, Symbiont, CME)

<http://www.chaintalk.io/archive/lecture/684>

3편 (Oaken, Storj, BNY Mellon, BlockApps)

<http://www.chaintalk.io/archive/lecture/685>

4편 (Pokitdot, Hashed Health, Dfinity)

<http://www.chaintalk.io/archive/lecture/686>

이번 편은 uport로 시작합니다. Michael Sena가 발표자로 나왔습니다.

uport는 이더리움 생태계에서 decentralized identity를 제공하기 위한 솔루션입니다. 페이스북으로 여기저기 로그인할 수 있는 것처럼, uport 하나로 이더리움 dapp들을 다 사용할 수 있게 한다는 것이죠. 필요한 경우 정부의 identity 시스템과 연결하면 투표에도 사용할 수 있습니다. uport도 컨센서스가 키운 대표 프로젝트입니다. 이 팀도 한국에서 프리젠테이션하기를 매우 희망하고 있습니다.

uport

Universal digital identity platform
secured by blockchain

Rice University, April 25, 2017

uport

Universal digital identity platform
secured by blockchain

Rice University, April 25, 2017

Signals of a broken system

Traditional identity infrastructure is failing before our eyes.

25%

of the world's population
is 'unbanked'

2B+

identities/accounts hacked
in 2016

Botnets

Mirai IoT botnet attacks used
toasters to take down DNS

\$106.8B

2016 ad revenue generated
by Google and Facebook

So why do we need blockchain?

**It's about decentralizing trust
and opening accessibility.**

Vision

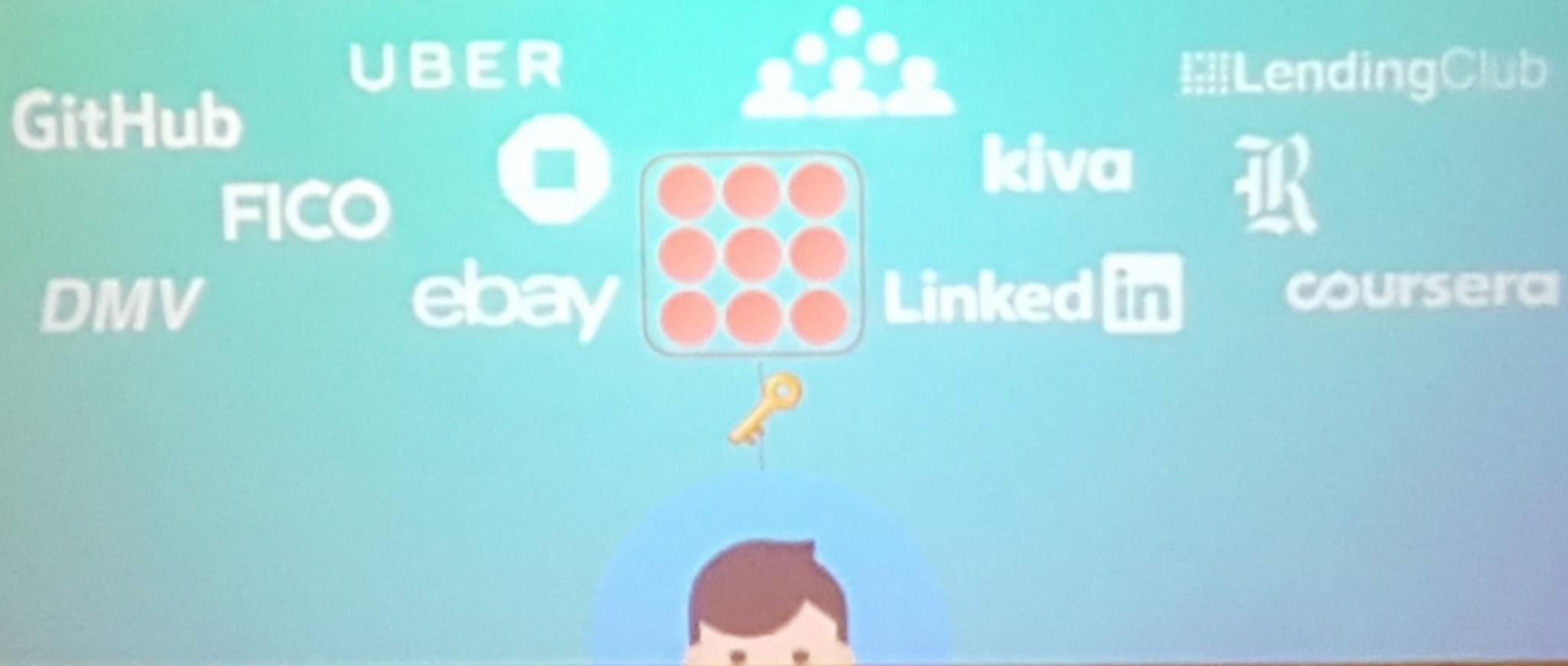
Networked infrastructure for trusted interactions for everyone, everything, everywhere.

Mission

To establish a global, unified, self-sovereign identity system enabling digital independence, self-expression, and inclusivity.

What exactly is a digital identity?

An empty container (public key) filled with verified attributes controlled by a private key



Self-Sovereign Identity Framework

A modern universal identity system must be available wherever people/businesses/things interact – cross-platform and cross-device.

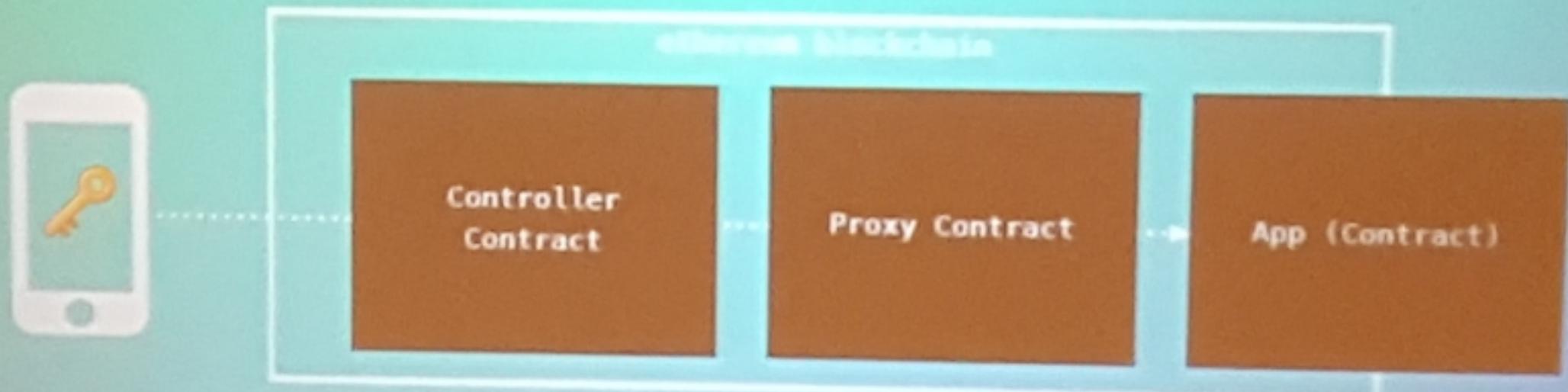


How can I trust a digital identity?

- To accept a digital identity, partners must maintain the ability:
 - to verify the attributes of an identity
 - to guarantee the user has control over that identity
- Verification of the **attributes of an identity** can happen from many sources, and likely should.
- Control over that identity is defined as **key management**.

Identity + Key Management

the ability to maintain control over a private key is core to DID.



컨센서스가 키우고 있는 또 다른 이더리움 인프라 프로젝트는 infura입니다. 메타마스크를 써보면 네트워크 속도가 상당히 빠르게 느껴지는데, 바로 이 뒤에서 속도를 책임지고 있는 인프라가 infura라는 것은 아무도 모르는 분이 많으실 겁니다.

Infura를 이용하고 있는 대표적인 이더리움 프로젝트들입니다.

- Metamask

- uPort
- Ujo Music
- SingularDTV
- Regis
- Benefactory
- Truffle
- BTC-Relay
- Gnosis
- Proof of Physical Address
- Lightwallet
- BoardRoom
- EtherLoan

몇 일 전 있었던 Gnosis ICO 이벤트도 Infura 가 백엔드를 맡았다고 합니다. 일정이 잘 맞으면 6월초에 방한해서 이더밋업에서 프리젠테이션 할 가능성이 높습니다. 협의 중입니다.

The image shows a presentation slide with a dark brown header and a white content area. In the top left corner of the white area, the word "Agenda" is written in a brown, sans-serif font. Below this, there are three main sections, each preceded by a small purple square icon. The first section is "Introduction", the second is "Learning From History", and the third is "'The Chasm'" and some Maths".

- Introduction
- Learning From History
- "The Chasm" and some Maths



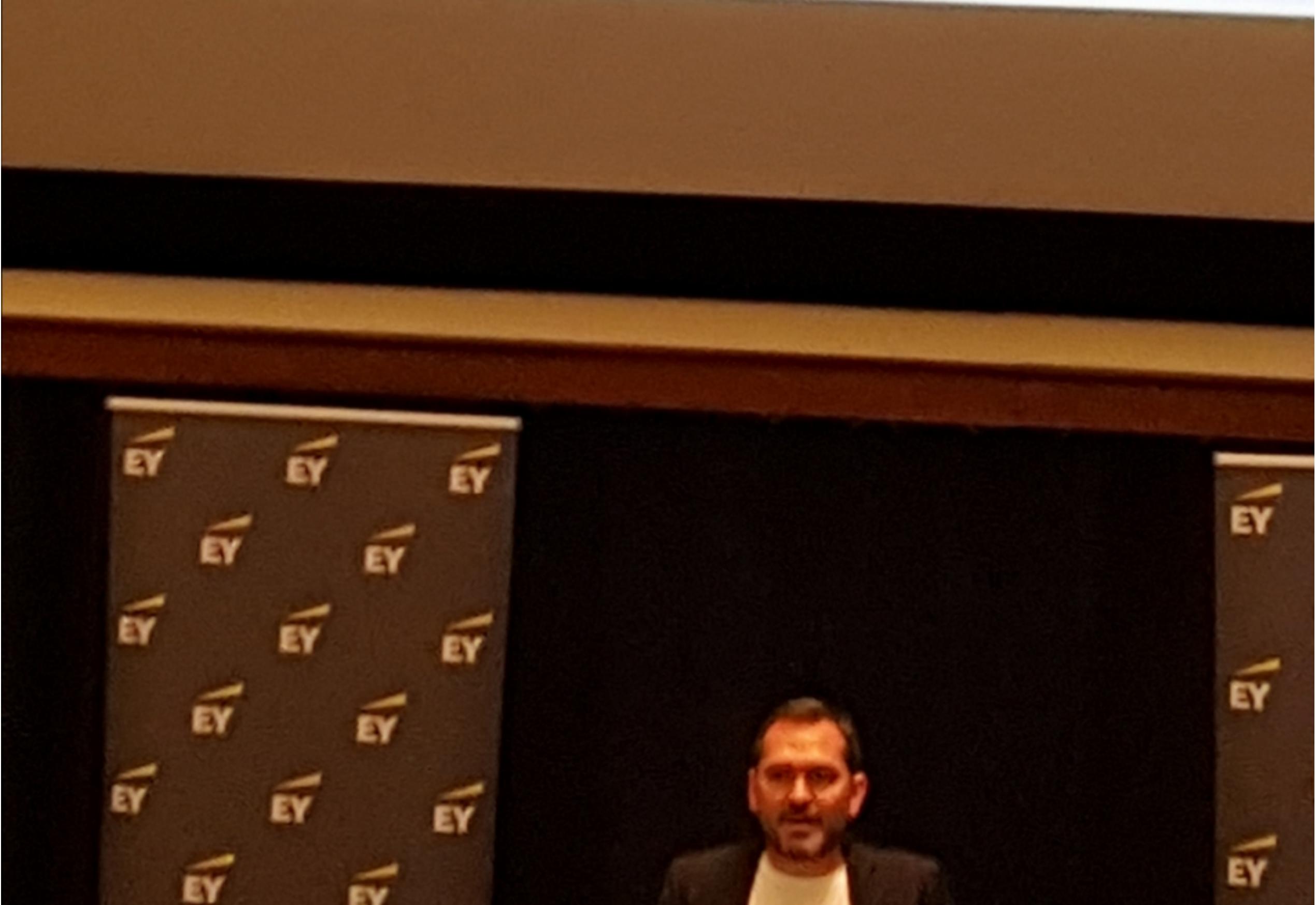
Reducing Friction with INFURA



INFURA Today

C

© 2017 massworks.net / infura.io



Introduction

Michael Wuehler, Head of Infrastructure - INFURA Project at ConsenSys



Education

- Studied Mathematics at Brigham Young University
- Masters Degree in Information Systems Management
- MBA from the University of Chicago Booth School of Business

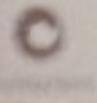
Career

@wuehler

- Internet Engineer in 1995 at startup
- 10 yrs as System Administrator
- 11 yrs at Bank of America in Technology Infrastructure roles managing Middleware and Messaging teams for the Global Markets line of business. COO for Global Engineering
- Joined ConsenSys the summer of 2016

Experience in the Blockchain Space

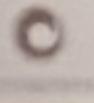
- Involved in Bitcoin starting in 2011
- Became involved with the Ethereum community as the founder of NYC Etherium Meetup in 2014, now with over 2,200 members, second largest Ethereum meetup in the world



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2 Step Program to “Cross the Chasm”

- 1) Identify friction points (barriers to entry)
- 2) Build tools to reduce the friction (or eliminate altogether)



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Friction Points to Ethereum Adoption

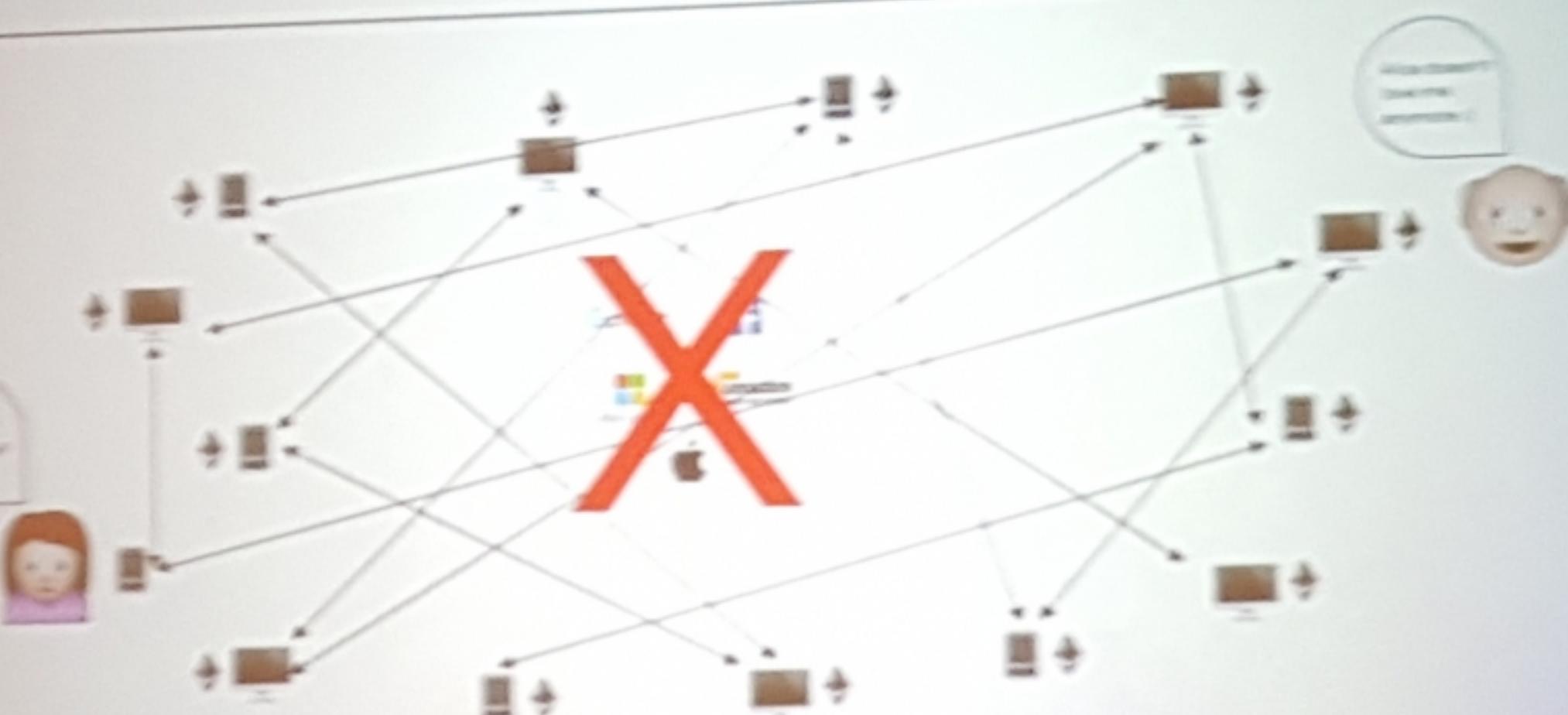
- 1) Scaling
- 2) Privacy
- 3) Identity
- 4) Key Management
- 5) ... and more...



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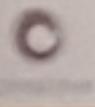
Friction Point Case Study: Blockchain Infrastructure

In a Decentralized Network, Alice needs to sign the message locally before sending peer-to-peer.



INFURA Features

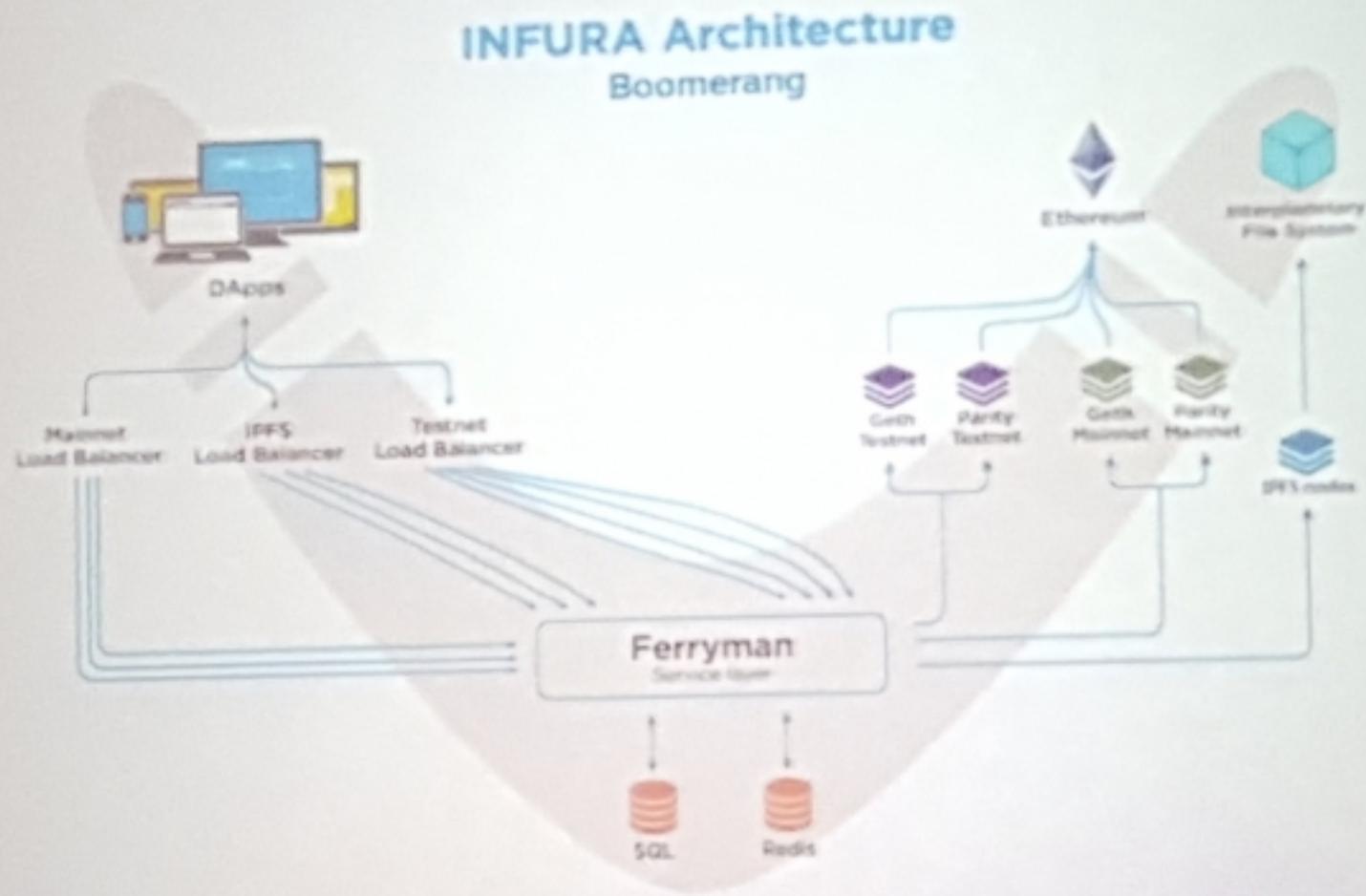
- Public HTTPS-enabled endpoints for the Ethereum Mainnet and Testnet networks
- Portable interface—fully compatible with the standard JSON-RPC API including the popular web3.js, ethjs JavaScript libraries; Java, Python... you are not locked in
- Worldwide Peering Footprint: strive to have the best peering in the Ethereum network
- Multi-client Ethereum backend (Geth and Parity—the most popular clients)
- Public HTTPS-enabled IPFS gateway for decentralized storage, developing additional pinning features to improve reliability
- Service Layer ("Ferryman"): caching, throttling, logging, etc.
- Can be deployed as a private/consortia installation, expect to build an offering based on EEA Standard Architecture



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INFURA Architecture

INFURA "Boomerang"



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INFURA Global Footprint

Leveraging the Microsoft Azure Cloud

Azure regions



- Deploying peering nodes in 32 global Microsoft Azure Datacenters
- Ensures that our core endpoints are only a few hops away from the majority of the rest of the 10,000 nodes on the network

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INFURA as a “Zero” Client

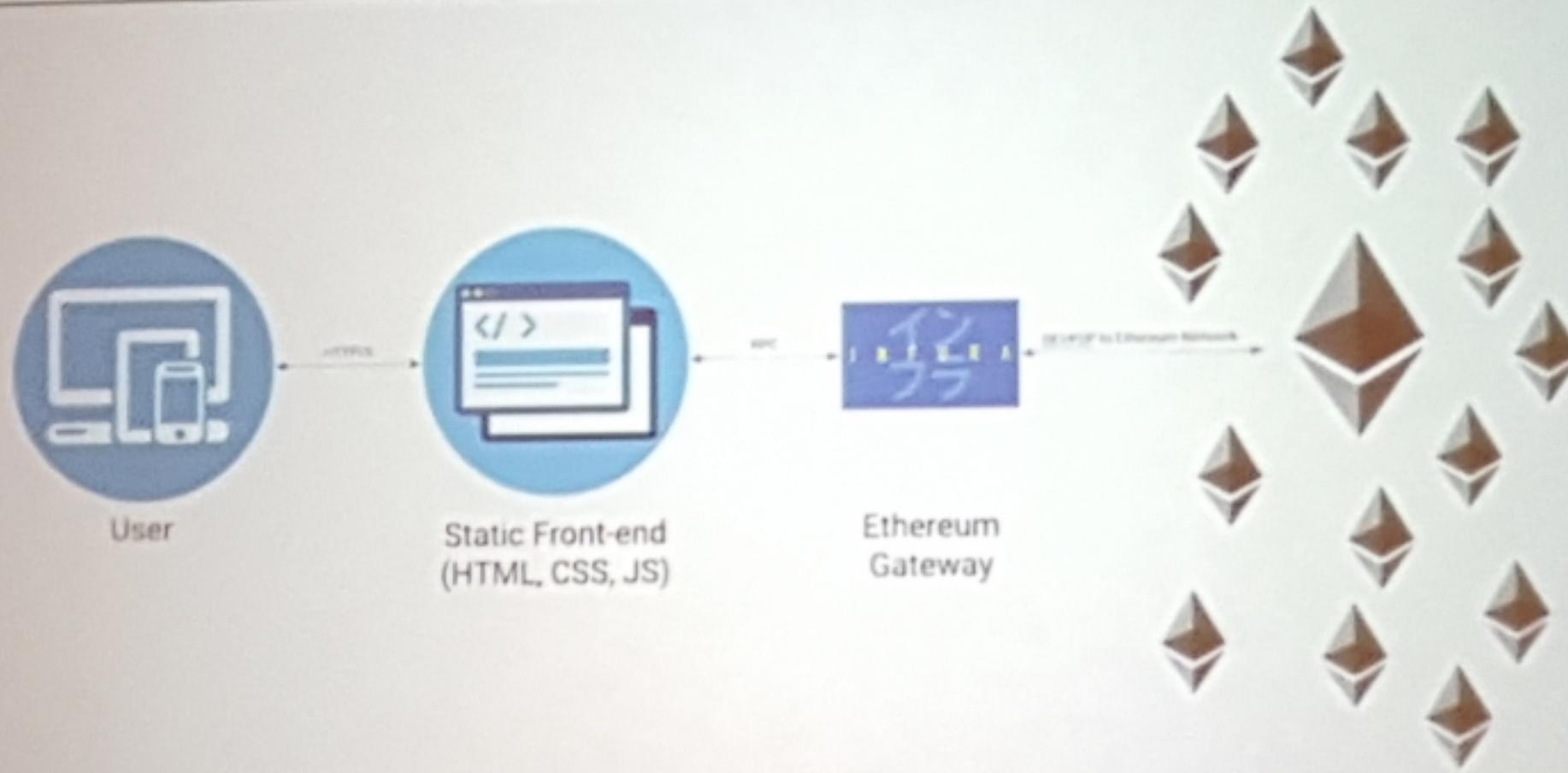
- ‘Zero client’ runs on the users browser in Javascript
- Uses gateway service (INFURA) to access the Ethereum Blockchain

‘Zero Client’ Benefits

- Accessibility (minimal hardware requirements)
- Convenience (no waiting to sync; no installs)
- Redundancy (either build into the gateway service or switch to new endpoint)
- Security (signing without a web-connection)

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INFURA as a "Zero" Client



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Scaling Decentralized Applications Case Study

The Gnosis Token Auction

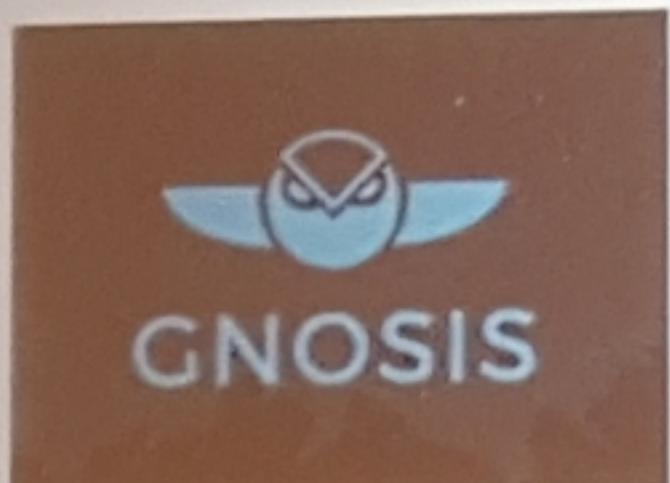
Gnosis Token Auction

In April 2017, Gnosis held a token auction for their decentralized prediction market platform.

The GNO token was created as an ERC20 compliant token on the Ethereum blockchain.

This token launch leveraged INFURA on the backend to register (send txn) purchases to the Ethereum blockchain.

In under 10 minutes, the GNO auction completed without issues, INFURA absorbed the spike in traffic without a hitch.



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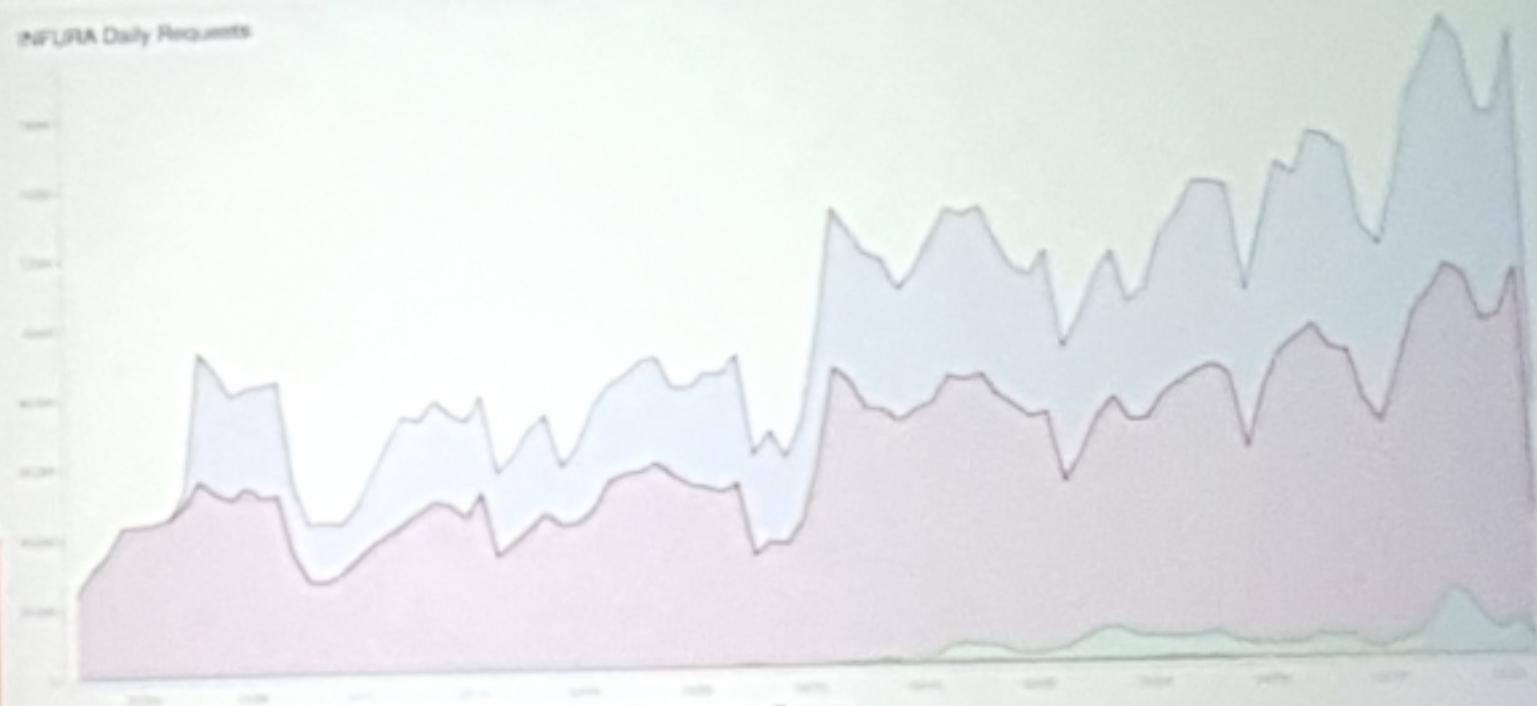
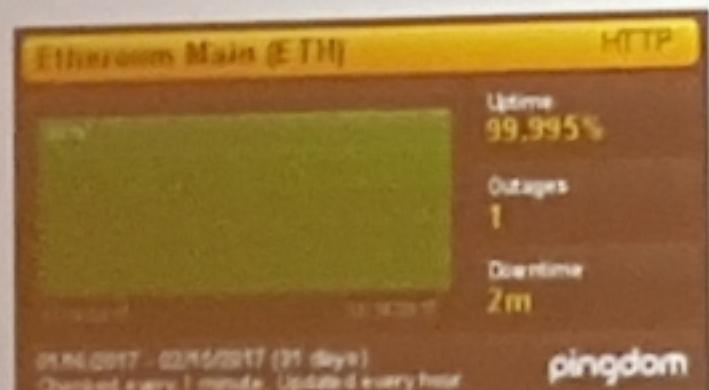
Traffic, Growth and Stability

INFURA is reliably handling millions of requests per day

INFURA is currently responding to 175 million requests per day.

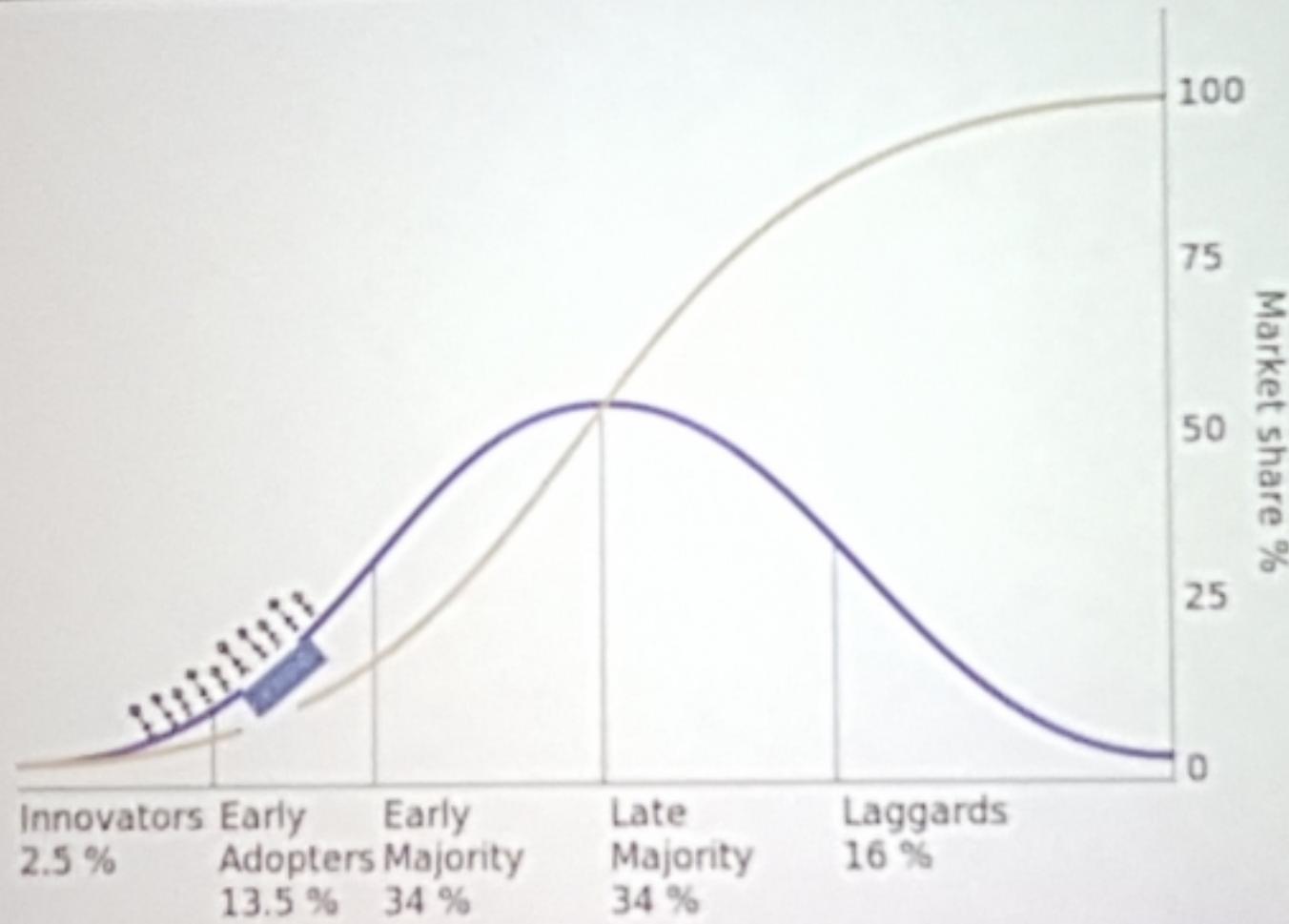
That's over 2,025 requests per second!!

At the same time we have been able to architect a solution with solid uptime.



© 2017 accessorys.net / Infura.io

At INFURA, we aim to eliminate friction and help to “Cross the Chasm”



다음 프로젝트도 매우 흥미로운 것입니다.

보험에 이더리움 dapp 을 적용한 것입니다.

Etherisc 의 코파운더인 Stephan Kapricheck 이 발표를 맡았습니다. 예측시장과 겹치는 컨셉도 있지만, 대단히 유니크한 측면도 있습니다.

이 팀과도 한국방문 추진을 위해 협의 할 예정입니다.

Reinventing insurance

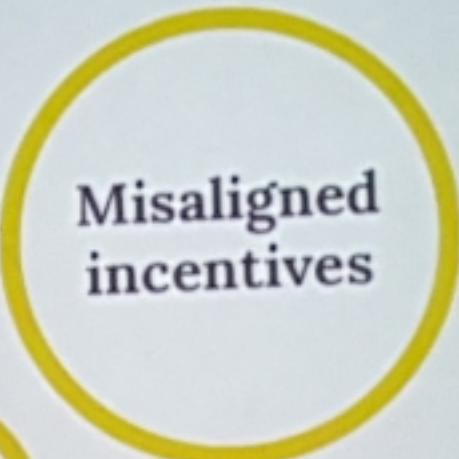


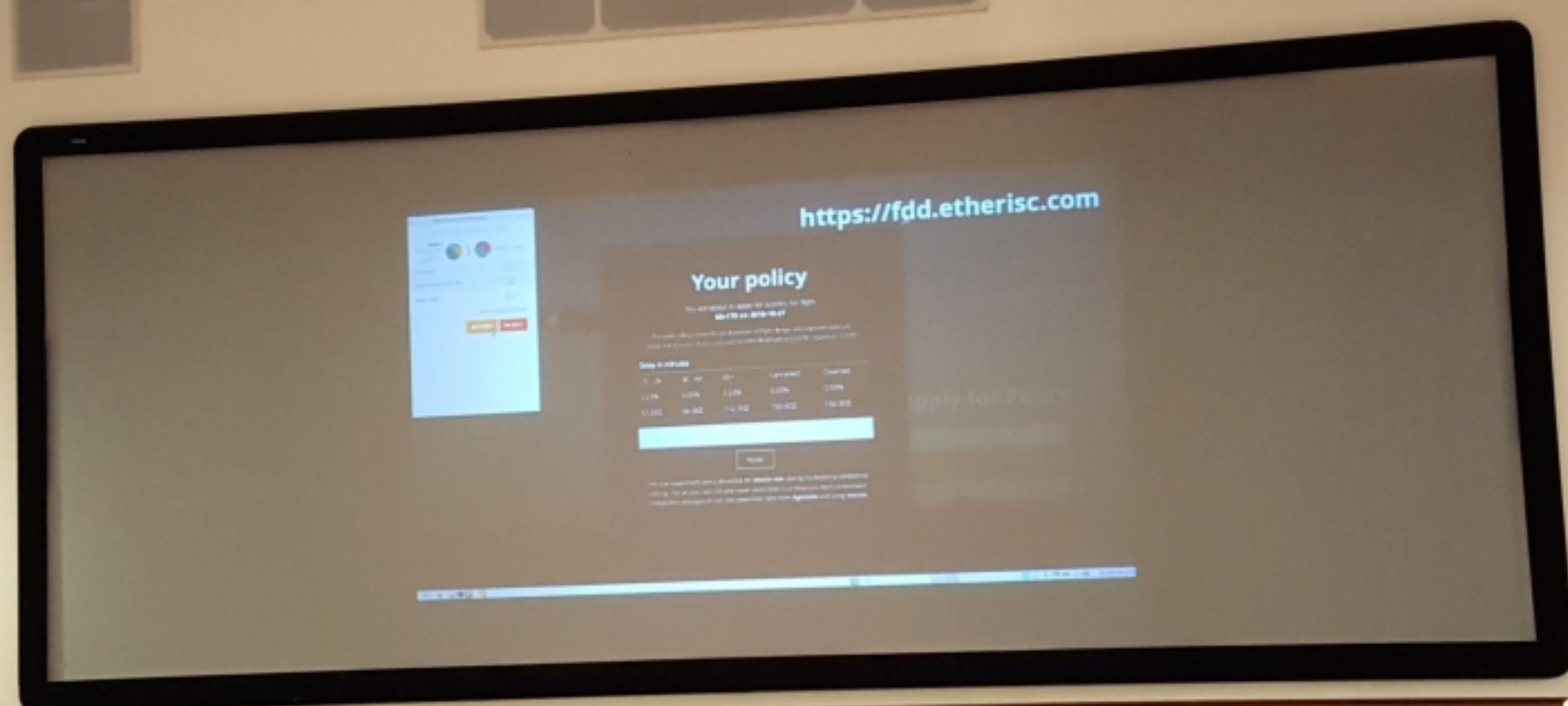
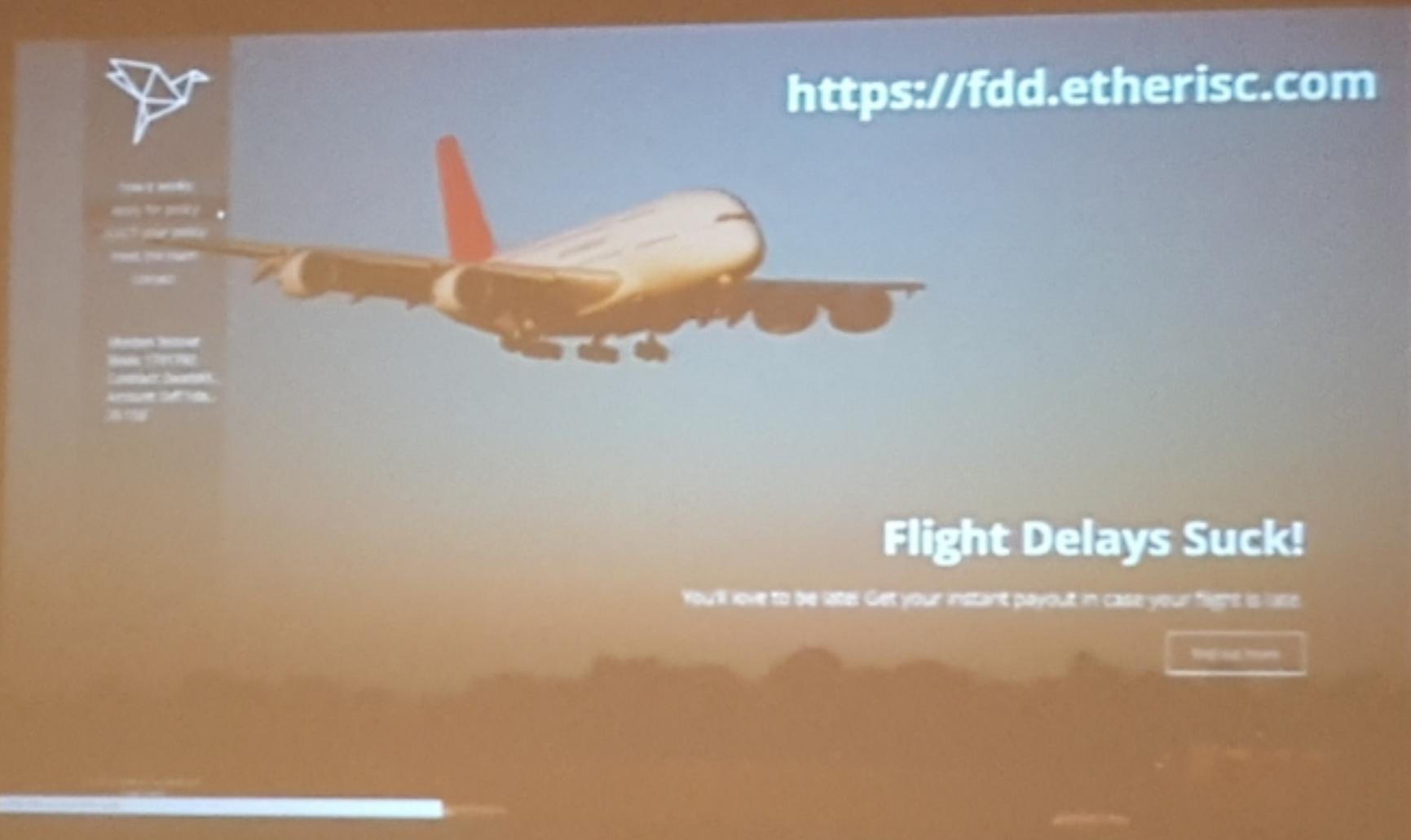
Stephan Karpischek
Etherisc



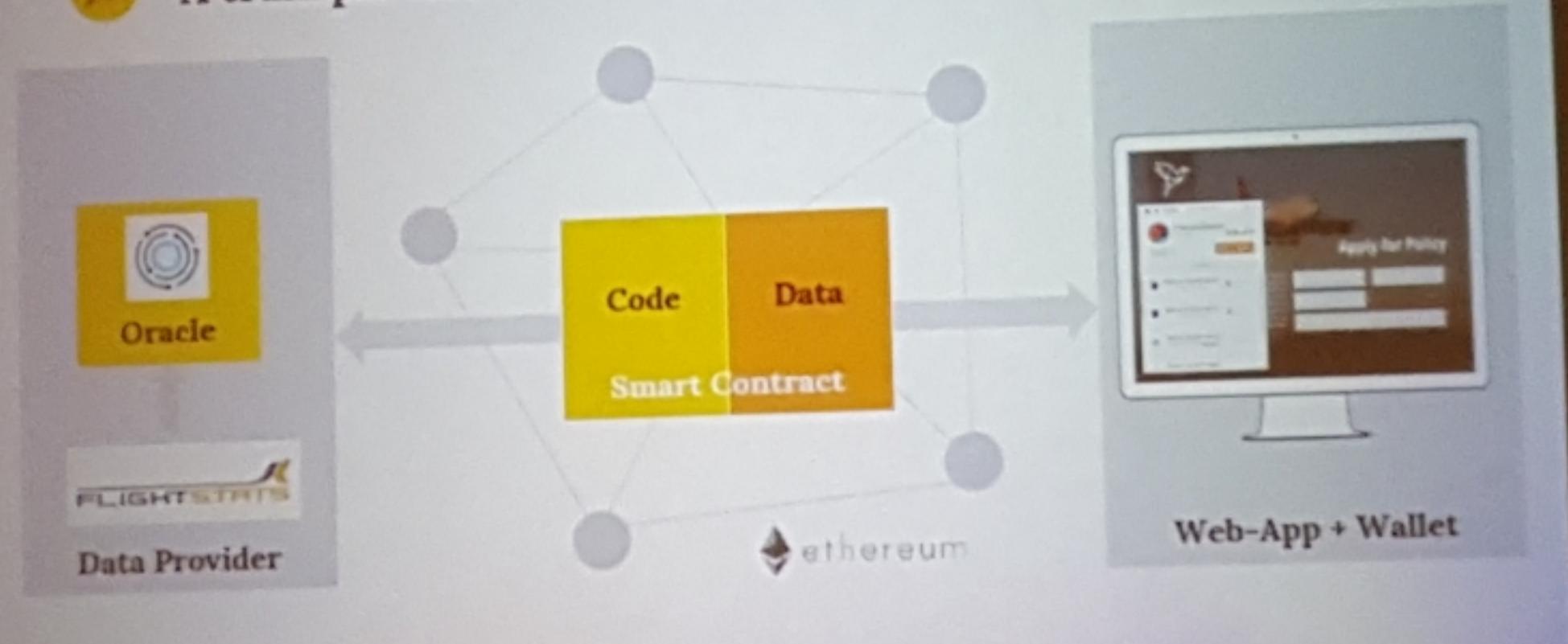


The problem ...





A transparent, autonomous system



Etherisc Vision

Insurance on Blockchain will become:

- highly automated
- standardized and interoperable
- transparent and easy to audit
- provably fair

```
pragma solidity ^0.4.7;
import "standard.insurance.sol";
contract Insurance is standardInsured {
    function NewPolicy() {
        ...
    }
    function Underwrite() {
        ...
    }
    function Payout() {
```





Decentralized insurance market

- <https://etherisc.com/whitepaper>
- Token model for investors to capitalize risk pools
- Whitepaper, simulation, first tests

ETHERISC

A decentralized insurance and reinsurance marketplace

v0.4

Authors:

Stephan Karpischek, Christoph Mussenbrock, Jake Brukman, Ron Bernstein

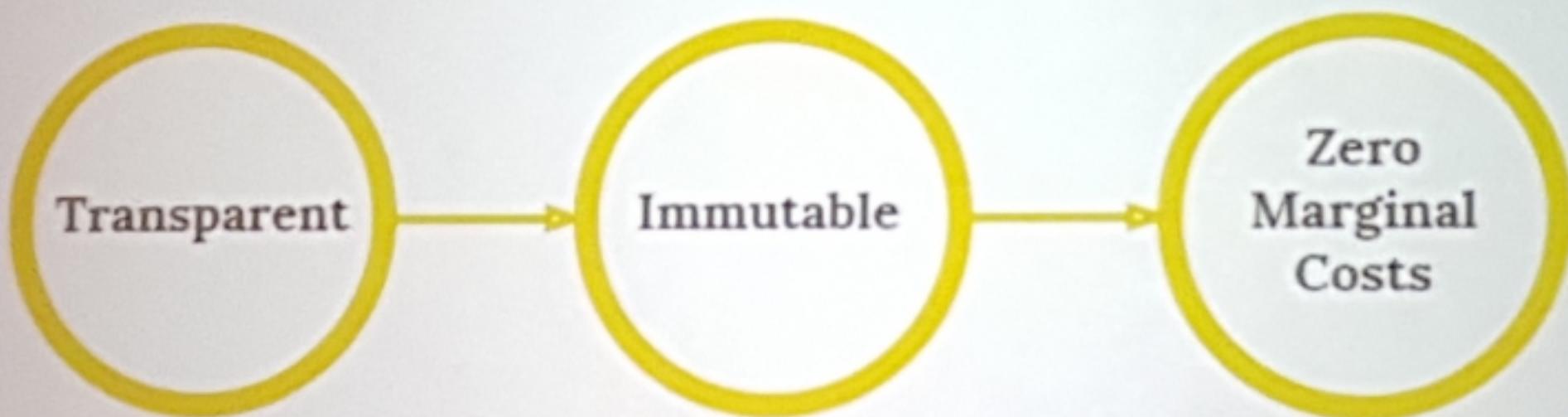


Achievements so far

- Blockchain startup contest 2016, Graz.
- Most funded project at hack.ether.camp
- AIA accelerator
- Blockchain Oscar 2017 for "most innovative blockchain startup"
- Partnerships to explore regulatory landscape
- W1 Forward InsurTech accelerator



Realignment of incentives



A lot of big challenges ...

Legal

What is the relation of a smart contract to written legal contracts?



Regulatory

Which regulatory obligations have to be met?



Products

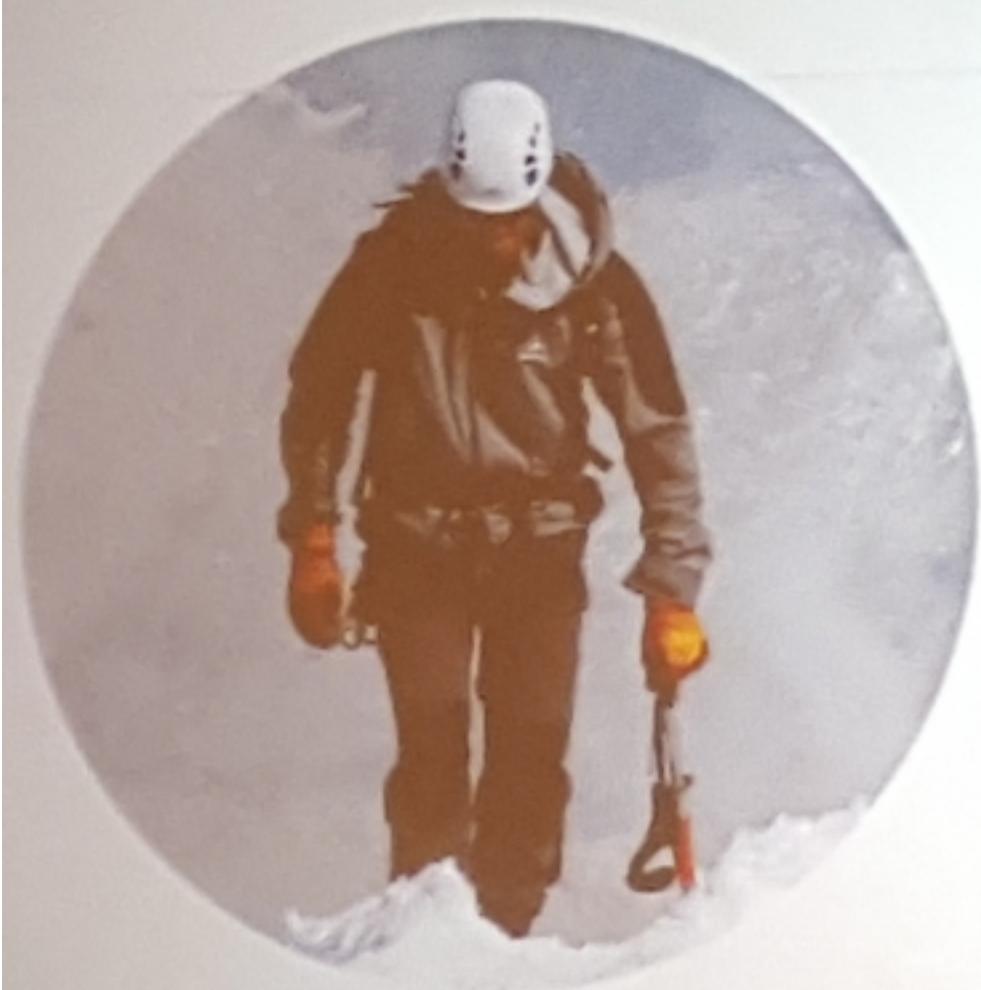
What are interesting business cases?





Legal

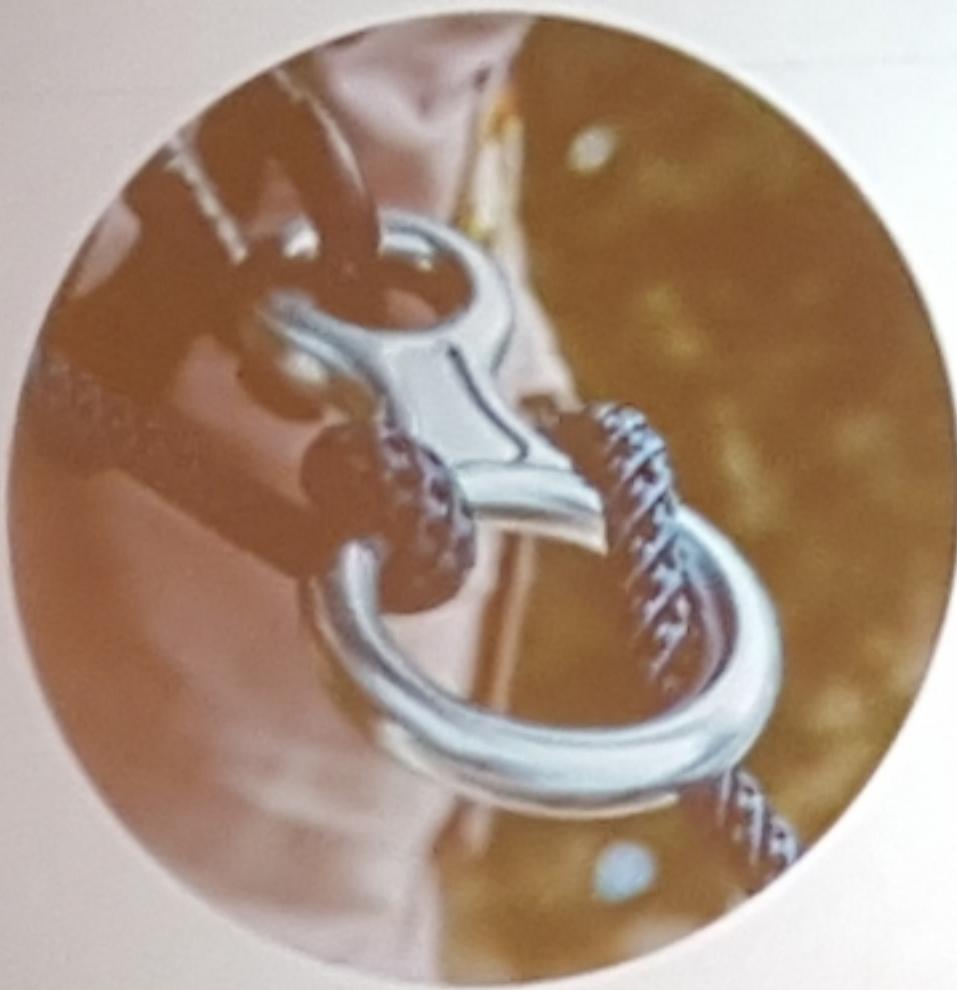
Can an autonomous Smart Contract
be a distinct legal personality?



Regulatory

Are we moving in an unregulated
area?

→ Big potential for “ex ante”
instead of “ex post” regulations.



Products

Who already has bitcoins today?

→ No market penetration yet

→ Therefore: Lower the barriers,
build fiat bridges, educate

→ New markets: emerging markets,
microinsurance, insurance on demand



Roadmap for a decentralized insurance platform



Operational Model

Regulatory safety

Funding

Enterprise Ethereum Alliance

Acquire licenses

Implement infrastructure

First products

Development of protocol

Open-Source protocol

Sub-licensing

Empowering the network

...

비행기편의 연착이나 결항에 대한 보험 서비스 예가 너무나 재미있습니다. 자세한 내용을 알고 싶으신 분이 있으면 댓글로 달아 주세요.

===== 6편에서 계속....

 atomrigs 5,283 TALK 2d19FDE5B4Cac4e1AfA54ee749C368C68c18316c

여보슈! 당신의 살림살이도 비참한 모양인데 지금 가는 곳이 어디시우? 쓸데없이 돌아다니지 말고 우리 적당으로 들어와 한 봇 보는게 어떻겠소? (역사 속의 야담 - 풍류열전)

댓글목록

Culap 아이피 175.♡.17.♡ 작성일 17-04-28 13:39

Uport는 정말 IoT와 코드가 잘 맞는 프로젝트인것 같습니다. 진정한 유비쿼터스의 기초가 되어줄 서비스 중 하나인듯 해요. 아주아주 비약하자면 여권대용으로 쓸 수 있는 날도 왔으면 좋겠네요^^

목록

현재 강좌

전체	나도dApp개발	블록체인2.0	덕후들의 번역놀이	금마 마이닝	블록체인 매트릭스	로움의 암호화폐	까짓거 한번C	아침커피 컴파입문	기타
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Total 112건 1 페이지

RSS

번호	제목	글쓴이	날짜	조회	추천
공지	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스 시리즈 목차 2 	 atomrigs	04-28	208	4
공지	공지 현재 강좌 이용 안내 2 	 CHAIANTALK	03-18	185	2
110	블록체인 2.0 라이스대 비지니스와 블럭체인 컨퍼런스 비디오 모음 1 	 atomrigs	05-03	111	0
109	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스 (6) 1 	 atomrigs	04-28	103	0
열람중	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스 (5) 1	 atomrigs	04-28	97	1
107	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스 (4)	 atomrigs	04-28	85	1
106	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스 (3) 	 atomrigs	04-28	113	1
105	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스 (2) 	 atomrigs	04-28	203	0
104	블록체인 2.0 라이스대 비지니스 블록체인 컨퍼런스 (1) 10 	 atomrigs	04-27	574	10
103	덕후들의 번역놀이 블록체인덕후들의 프린스턴 블록체인교재 번역놀이 : 1장 (28P 끝 ~ 30P) 1 	진리	04-18	368	1
102	금마 마이닝 바이오스타 TB250-BTC 보드의 특성 4 	 금마	04-07	439	3
101	덕후들의 번역놀이 블록체인덕후들의 프린스턴 블록체인교재 번역놀이 : 1장 (18P-21P) - 완료 	하늘코인	04-02	523	1
100	덕후들의 번역놀이 프린스턴 블록체인 교재 번역 p31-p32 	Culap	04-01	495	1
99	로움의 암호화폐 [특허] 제가 출원한 암호화폐 송금 관련 6 	loum	04-01	620	0
98	로움의 암호화폐 다중 계정 등에 의한 시빌 문제 1 	loum	03-29	359	2
97	로움의 암호화폐 합의 알고리즘에 대한 쉬운 설명 2 	loum	03-29	470	0
96	로움의 암호화폐 Mastering Bitcoin 책 소개 4 	loum	03-29	425	0
95	로움의 암호화폐 이더리움 엘로페이퍼를 잠깐 보고 든 생각.... 	loum	03-29	375	0

1 2 3 4 5 6 맨끝

제목 ▾ 검색