



Blockchain Technology & Digital Currencies

Poramin Insom (ปรมินทร์ อินโสม)

Lead Developer & Founder

poramin@zcoin.io



Table of Contents

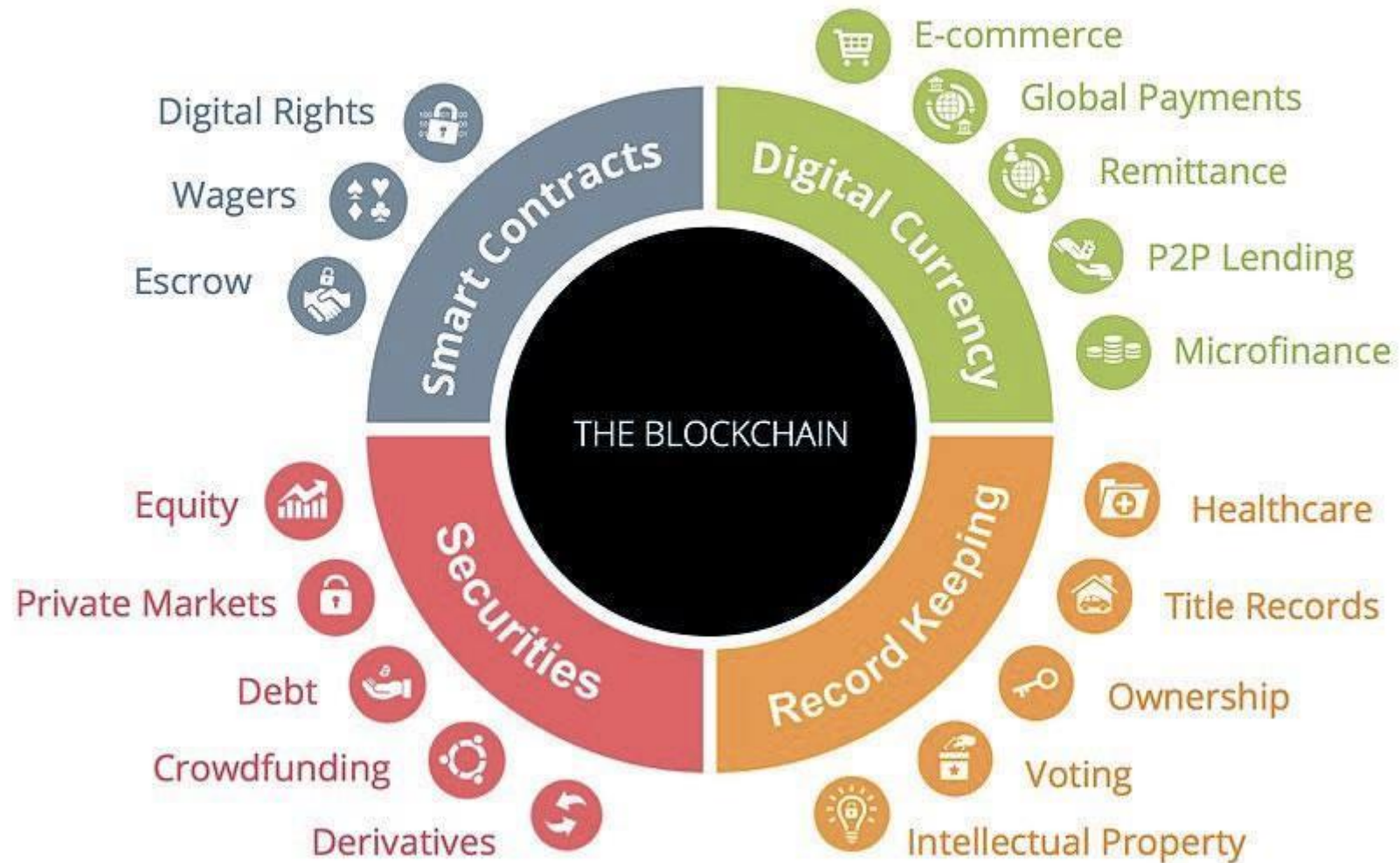
- Who am I ?
- Blockchain Technology
- Blockchain : Financial and Investment Disruption
- Innovative Capitalism : ICO model
- Cryptocurrency
 - Bitcoin
 - Zcoin
 - bubble or homerun ?
- Closing and Q&A

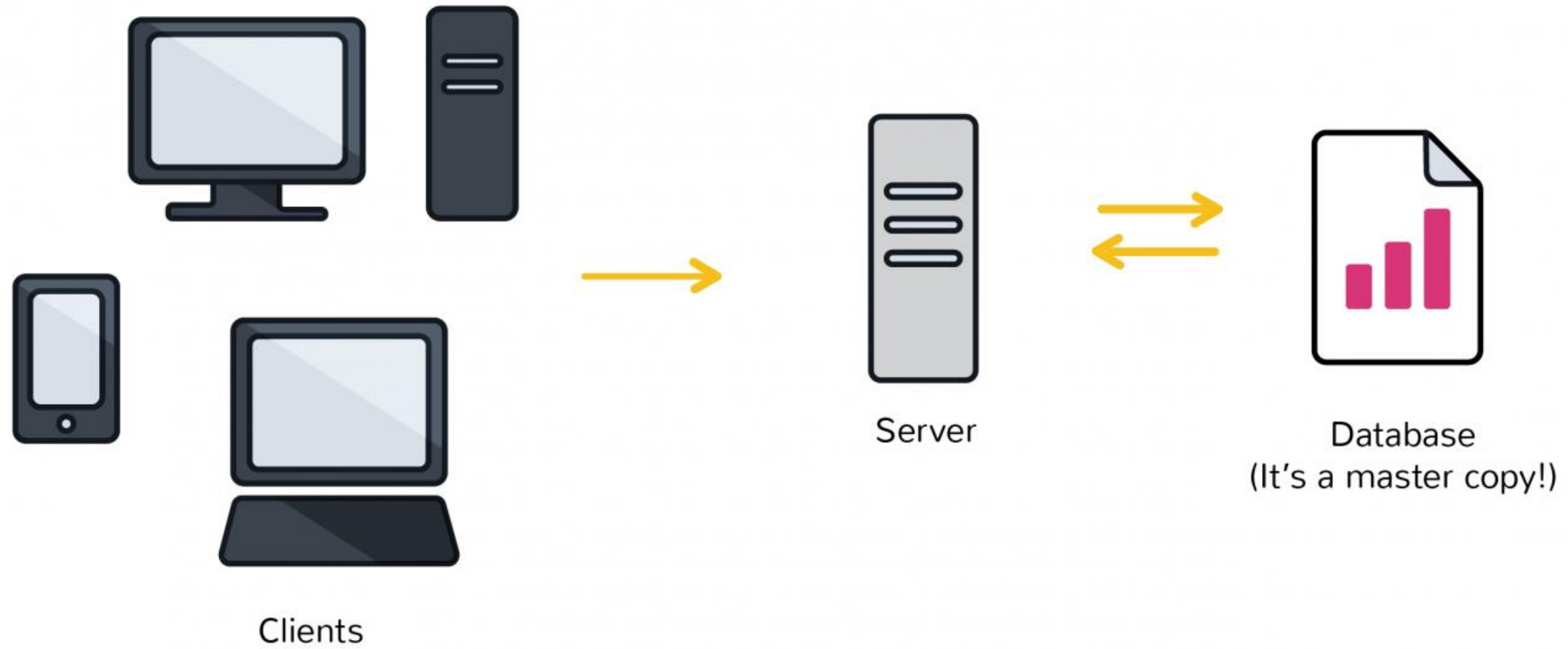


Who am I ?

- B.Eng. in Computer Engineering, Second Class Honors, KMITL
- Worked at Microsoft Thailand, Accenture Malaysia
- M.S. in Security Informatics, Johns Hopkins University
- Founder and Core Developer at Zcoin
- Second lieutenant at Cyberwarfare Unit, Royal Thai Armed Forces
- CEO & Co-Founder at Satang Corporation - Satang.com and TDAX.com

Blockchain Technology





Disruption in Amazon's cloud service ripples through internet

Jeffrey Dastin

3 MIN READ






The logo of Amazon is seen at the company logistics center in Lauwin-Planque, northern France, February 20, 2017. REUTERS/Pascal Rossignol


SAN FRANCISCO (Reuters) - Web users experienced widespread glitches on Tuesday, from news sites to government services, after Amazon.com Inc's popular cloud service that hosts their data suffered a technical disruption.



Google apologizes for cloud outage that one person describes as a 'comedy of errors'



Julie Bort   

Apr. 13, 2016, 5:11 PM  6,601

 FACEBOOK

 LINKEDIN

 TWITTER

 EMAIL

 PRINT

Google is investing billions in its data centers and hiring salespeople like crazy to take on Amazon in the cloud computing industry. It just held a [big conference in March](#) to get the IT world excited about its cloud.

So it was not good that on Monday, the Google Compute Engine cloud service went down for 18 minutes at 7 p.m. Pacific for just about all of its customers everywhere.



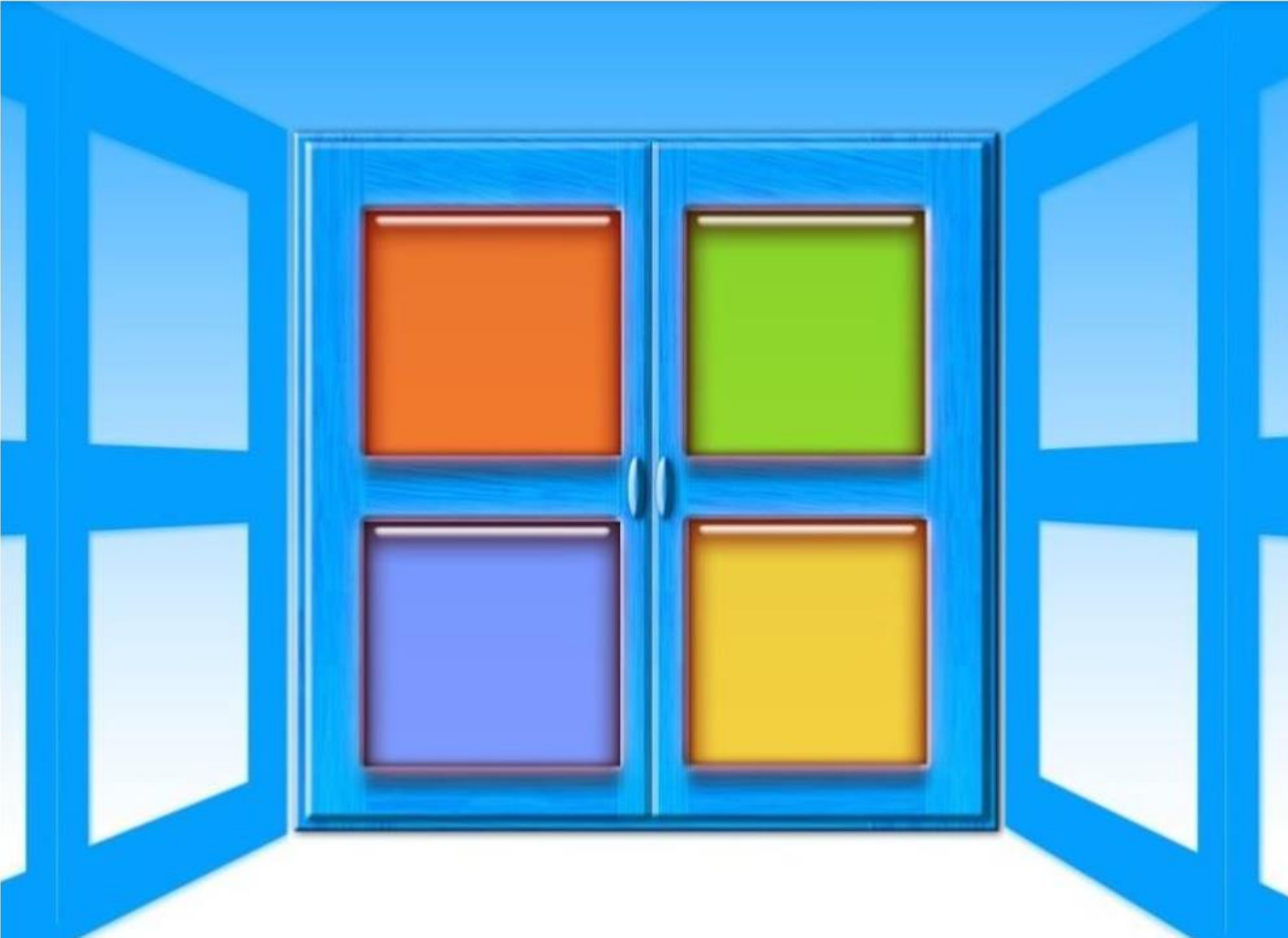
Google executive chairman Eric Schmidt Business Insider

Microsoft down AGAIN: cloud outage pulls Outlook, Xbox and Skype offline



TOM BALL - REPORTER - 22ND MARCH 2017

+ INCREASE / DECREASE TEXT SIZE -

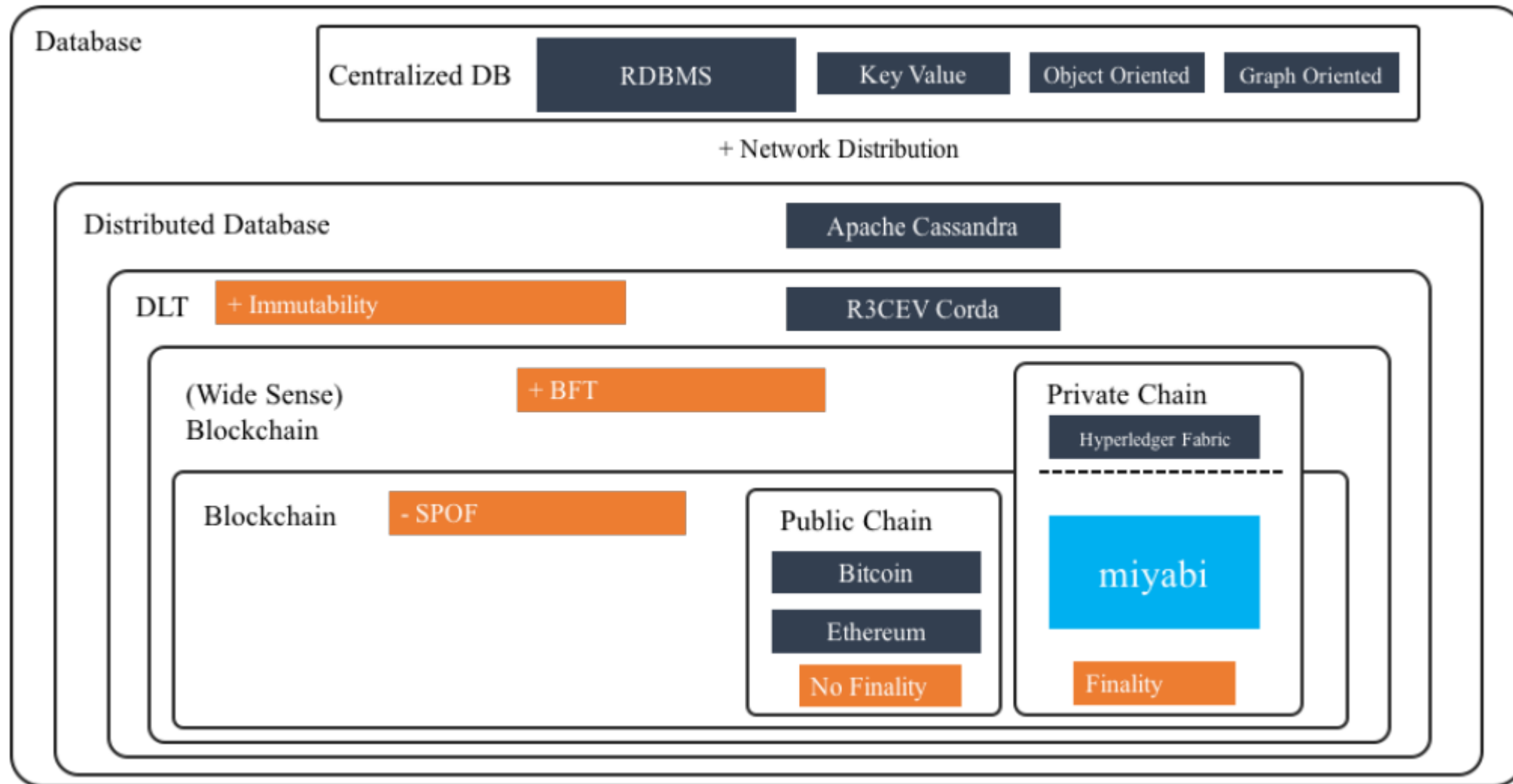




Clients



Database



Financial & Investment Disruption



Problems

- Outdated
 - (Industries + Paper) in Digital
- Centralized
 - Resistant to change
 - Vulnerable to systems failures and attacks

Financial & Investment Disruption



Solutions

- Outdated
 - (Industries + Paper) in Digital => **Digital Asset**
- Centralized => **Decentralized**
 - Resistant to change => **Majority Vote**
 - Vulnerable to systems failures and attacks => **No SPOF**

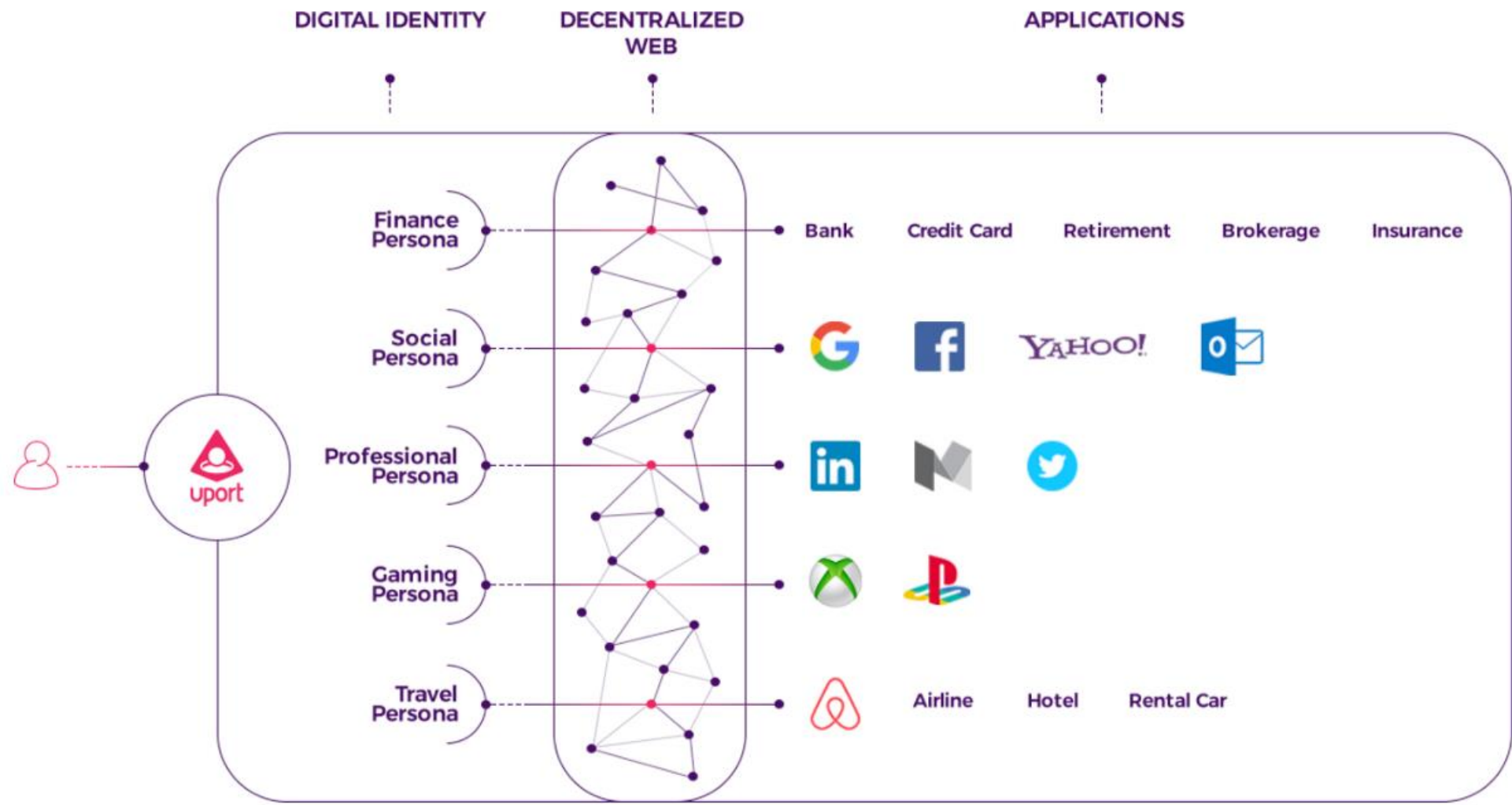
Financial & Investment Disruption



Capabilities

- Authenticating Identity and Value => KYC (Know Your Customer)
- **Be affected !**
 - Retail banking, Wholesale banking, Investment banking
 - Asset managers, Broker dealers
 - Payment networks, Lending marketplaces
 - Equity crowdfunding
 - Regulators and auditors

Financial & Investment Disruption



Financial & Investment Disruption



Capabilities

- Distribution of Value => No single dollar is spent twice
- **Be affected !**
 - Assets
 - Currency
 - Bonds
 - Diamonds
 - Gold
 - Silver
 - Stocks ...

Financial & Investment Disruption

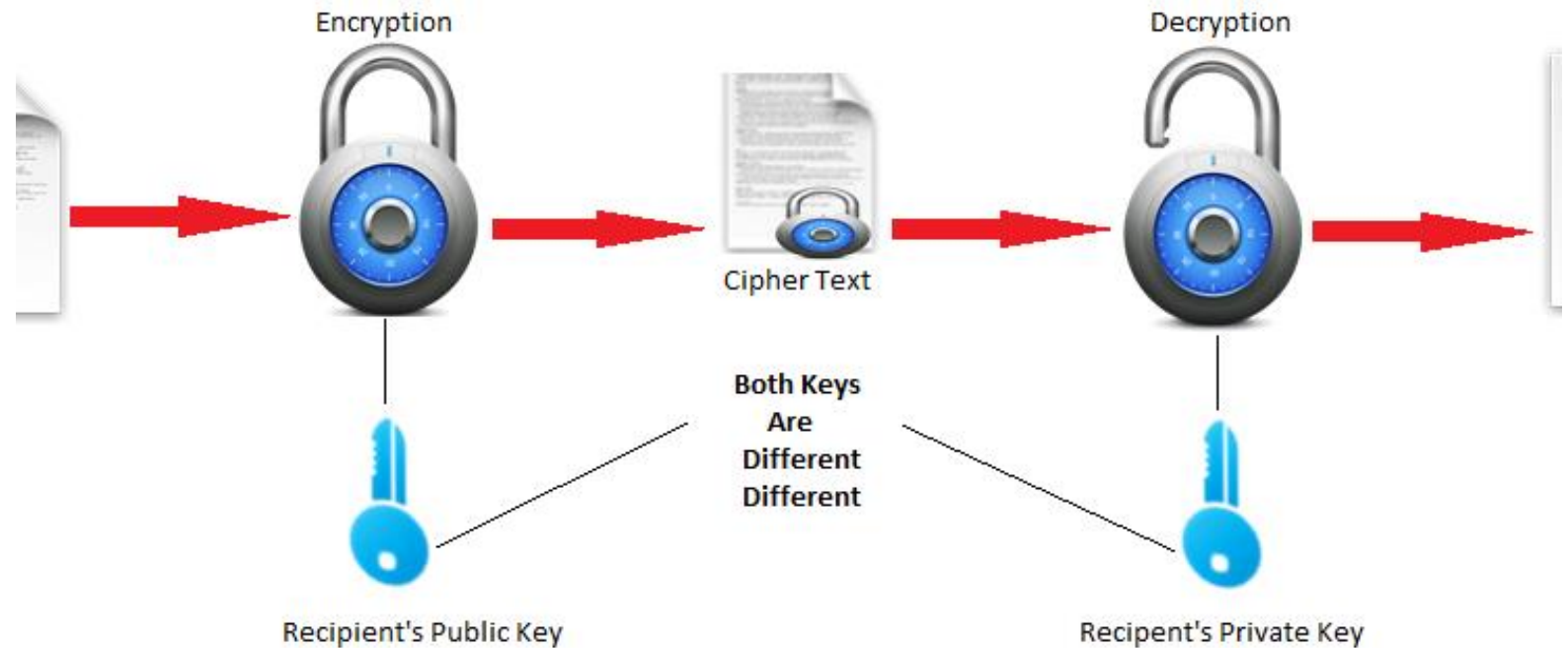


Financial & Investment Disruption



Capabilities

- Storage of Value
- **Be affected !**
 - Banking institutions

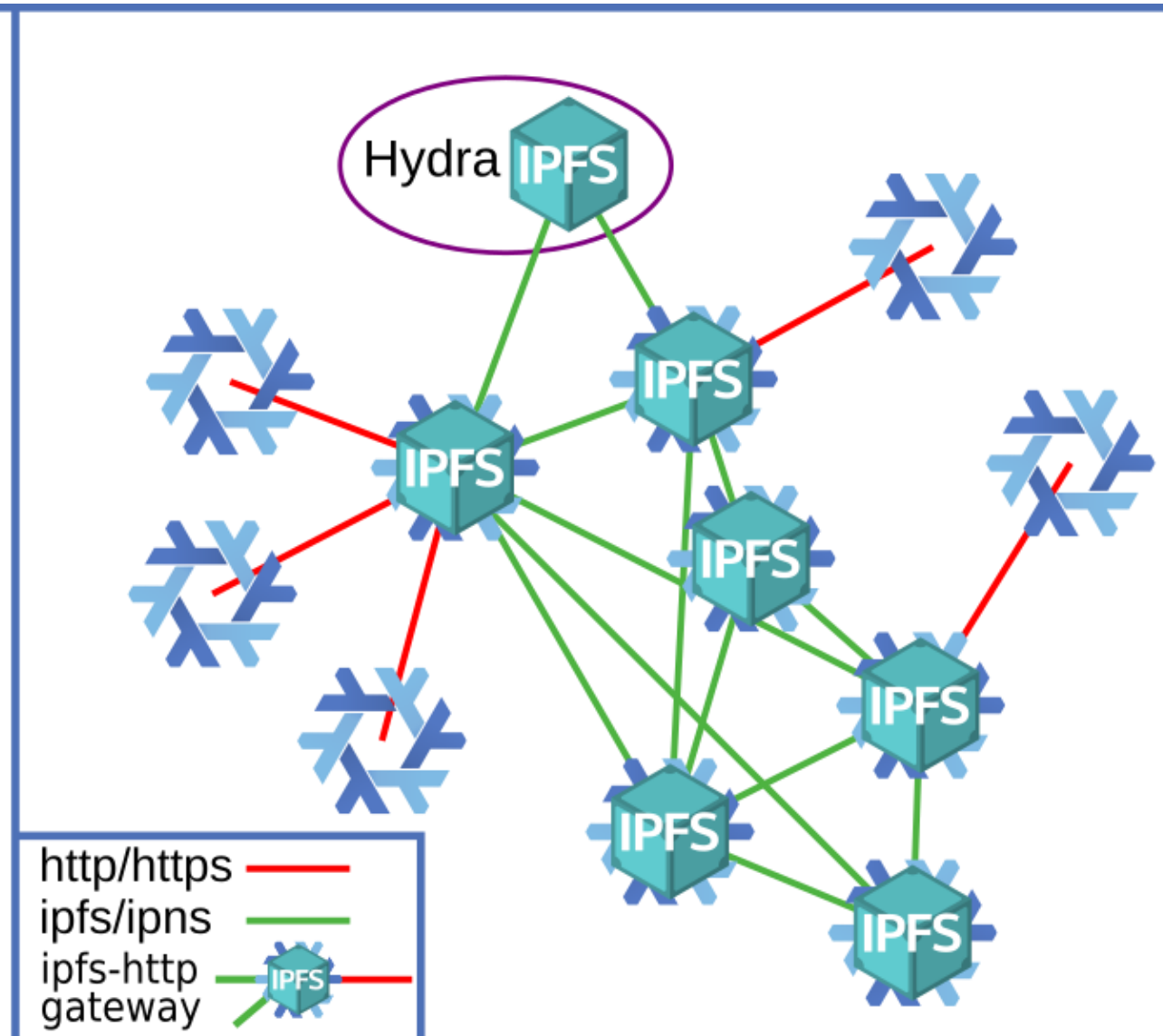
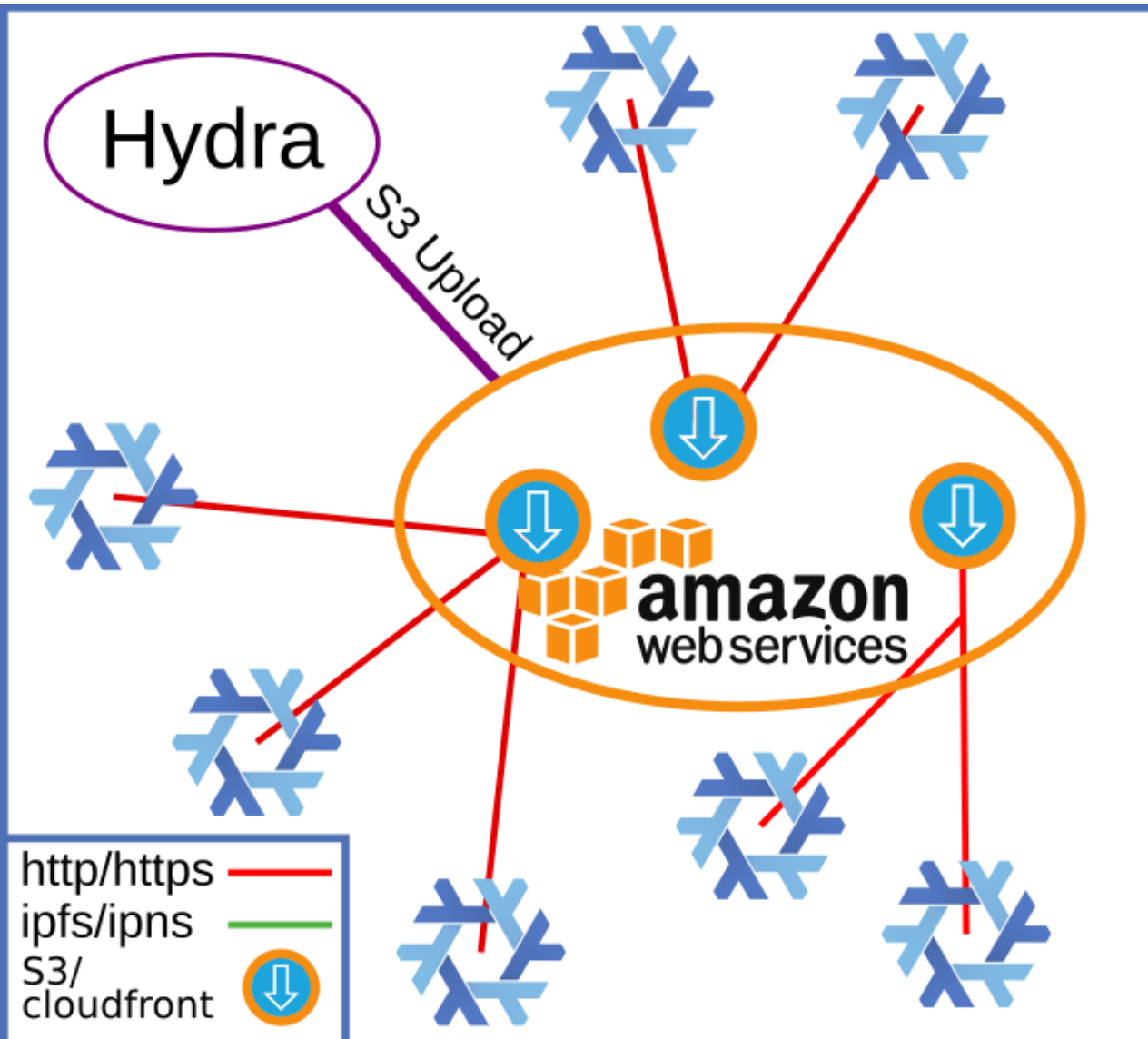


Public Key Encryption

Financial & Investment Disruption



Financial & Investment Disruption



Financial & Investment Disruption



OpenBazaar 2.0
B E T A R E L E A S E D



Financial & Investment Disruption



ob://search?providerQ=https%3A%2F%2Fsearch.ob1.io%2Fsearch%2Flistings%3Fq%3D*%26network%3Dtestnet%26

Test Mode

OpenBazaar Discover

OB1 BB DUO +

Transactions My Page

OB1

OB1 Enter a search term or #tag. Search

9767 listings


Sort by Relevance

Rating


- ☐ ★★★★★
- ☐ ★★★★★ & up
- ☐ ★★★★ & up
- ☐ ★★★ & up
- ☐ ★ & up
- ☒ ★ All Ratings

Shipping


Worldwide




Two Burritos
★ 0.0 \$1.00




Silver ski set
★ 0.0 \$729.00




XCHANGE
[WTS for B & charity]...
★ 0.0 \$55,858.15



Tools Historical Data
ALL





Feedback

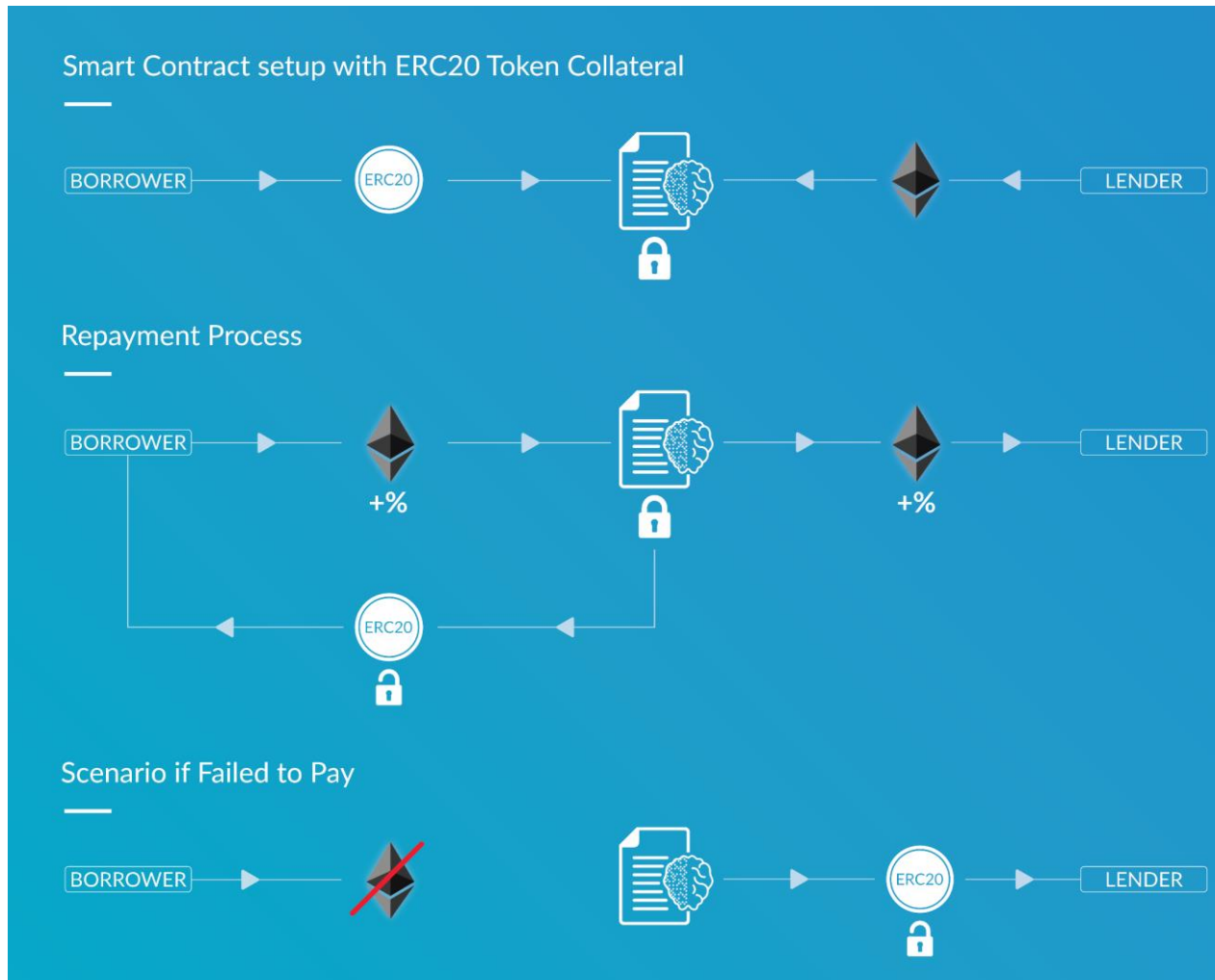
Financial & Investment Disruption



Capabilities

- Lending Value
- **Be affected !**
 - Banking institutions

Financial & Investment Disruption



Financial & Investment Disruption



Capabilities

- Exchanging Value
- **Be affected !**
 - Stock Exchange

Financial & Investment Disruption

[EXPLORE](#)[EXCHANGE](#)[CREATE ACCOUNT](#)

Welcome to the BitShares DEX

The **BitShares** decentralized exchange - also known as The DEX - is a next-generation cryptocurrency trading platform.





















The **DEX** is inherently decentralized, enabling you to trade the BitShares core token (BTS) and a range of trustless price-stable, market-pegged assets such as bitUSD, bitCNY, bitBTC, bitGold and more. These assets can all be traded with **zero** counter-party risk, putting you in total control of your funds.

The **DEX** also enables creation of user-issued assets (UIAs), which can be traded against any other UIAs or trustless assets on the platform. One well-known issuer on The DEX is **OpenLedger**, offering a host of assets including BTC, ETH, STEEM, DASH, LTC, DOGE, and many more

This gives cryptocurrency traders a unique blend of traditional and decentralized trading, all in a familiar exchange interface. Happy trading!

[CREATE A NEW ACCOUNT](#)[LOGIN WITH PASSWORD](#)

Top Markets

 BTS : bitUSD PRICE: 0.065600 VOLUME: 66.09k CHANGE: -16.96%	 BTC : bitUSD PRICE: 3,152.30122 VOLUME: 14.40k CHANGE: -7.10%	 USDT : bitUSD PRICE: 0.88900 VOLUME: 655.693 CHANGE: -1.74%	 ETH : bitUSD PRICE: 228.15822 VOLUME: 7,597.168 CHANGE: -5.58%
 DASH : bitUSD PRICE: 265.00025 VOLUME: 646.020 CHANGE: 17.78%	 bitGOLD : bitUSD PRICE: 1,481.48148 VOLUME: 55.008 CHANGE: 4.64%	 HERO : bitUSD PRICE: 144.00000 VOLUME: 950.226 CHANGE: -0.10%	 BTC : bitCNY PRICE: 19,799.79092 VOLUME: 252.20k CHANGE: -7.72%
 bitUSD : bitCNY PRICE: 6.24998 VOLUME: 315.76k CHANGE: -0.62%	 ETH : bitCNY PRICE: 1,320.00097 VOLUME: 54.84k CHANGE: -11.34%	 YOYOW : bitCNY PRICE: 0.15290 VOLUME: 228.06k CHANGE: -22.24%	 OCT : bitCNY PRICE: 0.77194 VOLUME: 57.00k CHANGE: -2.16%
 BTS : BTC PRICE: 0.00002058 VOLUME: 31.226 CHANGE: -11.37%	 DASH : BTC PRICE: 0.07951841 VOLUME: 0.038 CHANGE: 7.36%	 OBITS : BTC PRICE: 0.00015000 VOLUME: 0.177 CHANGE: -9.78%	 BLOCKPAY : BTC PRICE: 0.00003842 VOLUME: 0.702 CHANGE: 20.06%
 STEEM : BTC PRICE: 0.00030450 VOLUME: 0.926 CHANGE: 0.77%	 bitCNY : BTS PRICE: 2.49931 VOLUME: 17.13m CHANGE: 24.19%	 ETH : BTS PRICE: 3,399.00525 VOLUME: 375.11k CHANGE: 13.93%	 HERO : BTS PRICE: 2,141.00000 VOLUME: 26.43k CHANGE: 5.99%

Financial & Investment Disruption



Bitsquare

Market

Buy BTC

Sell BTC

Portfolio

Funds

Support

ETH/BTC: 0.00954401
Market price (Ask) POLONIEX

0.00 BTC
Available balance

0.00 BTC
Reserved in offers

0.00 BTC
Locked in trades

Settings

Account

Sell bitcoin

Take offer

Create offer ×

Select trading account

Trading account: ETH: 0xc1b8... (ETH, Altcoins)

Currency: Ether (ETH)

Sell bitcoin

Amount of bitcoin to sell

0.10 BTC

Price in BTC for 1 ETH

0.0095 BTC

Fixed Percentage =

Amount in ETH to receive

10.53 ETH

Minimum amount of bitcoin

0.10 BTC

Distance in % from market price

0.23 %

Fund your offer

Funds needed: ? 0.1107 BTC

Trade wallet address: 18qLayrGZy6EK5oyK3eZpQL9nRHSPybtzP

Trade wallet balance: 0.00 BTC

Transfer funds from Bitsquare wallet

OR

Open your external wallet for funding

Waiting for funds...

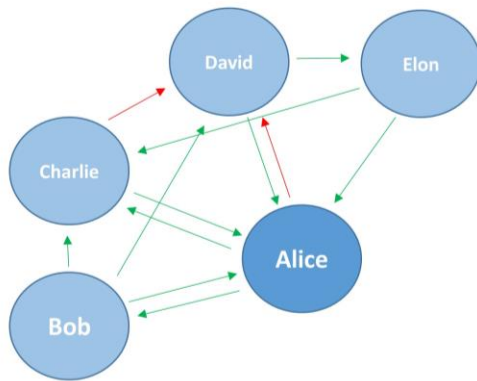
Cancel

Financial & Investment Disruption

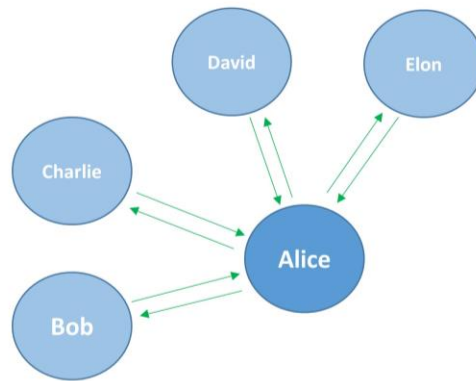


Capabilities

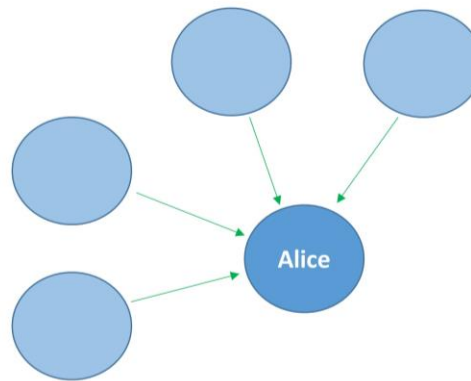
- Insuring Value and Managing Risk => Blockchain Reputational Systems



Normal



Suspicious



OpenBazaar

Financial & Investment Disruption



work.nation

**build a global professional portfolio
powered by the blockchain**
<demo prototype>

sign in with uPort

login as a demo user

sign up for a uPort account >



Innovative Capitalism : ICO model



135 BLOCKCHAIN STARTUPS WITH ICOs

Closed initial coin offerings greater than or equal to \$500K. 2014 - YTD (9/8/2017)

ASSET MANAGEMENT



MEDIA & ADVERTISING



GAMBLING & GAMING



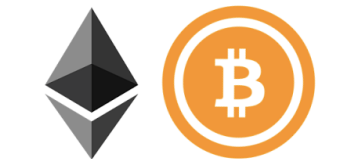
INFRASTRUCTURE & DEVELOPMENT



EXCHANGES & WALLETS



TRADING



DAO & TOKEN LAUNCH



COMPUTING & STORAGE



OTHER



BROWSERS & SOCIAL



CROWDFUNDING & LENDING



PREDICTION MARKETS



HEALTHCARE & INSURANCE



IDENTITY & INTERNET OF THINGS



PAYMENTS & BANKING



FINANCIAL SERVICES



Tezos' \$232 Million ICO May Just Be The Beginning



Omri Barzilay, CONTRIBUTOR
FULL BIO

Opinions expressed by Forbes Contributors are their own.



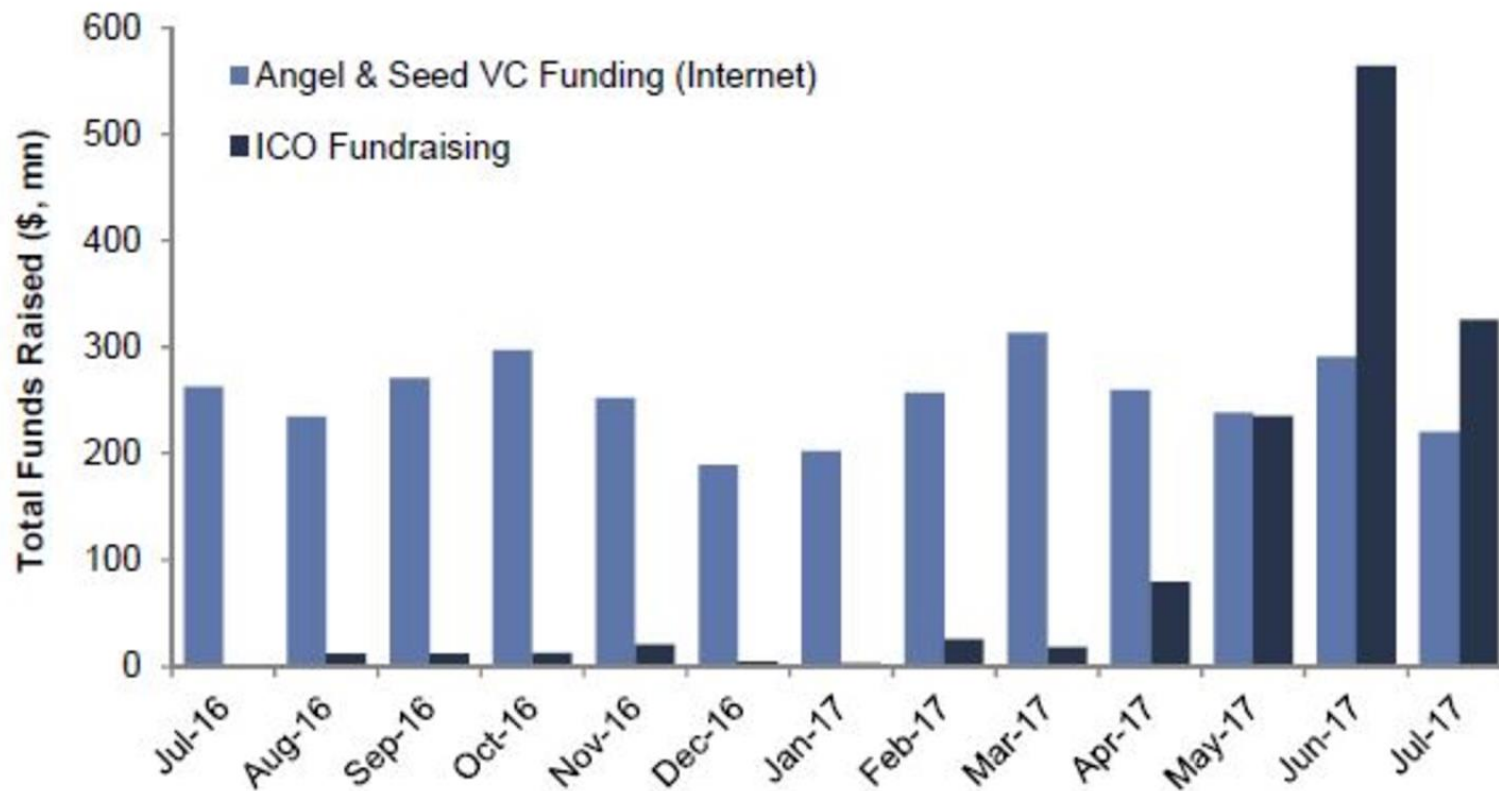
Note: ICO data sourced from TokenData.io. Map is illustrative; not exhaustive.

Innovative Capitalism : ICO model



Exhibit 8: The pace of ICO fundraising has now surpassed Angel & Seed stage Internet VC funding globally

Total Funds Raised by month (\$, millions)



Note: ICO fundraising as of July 18th, 2017, per Coin Schedule. Angel & Seed VC funding data as of July 31st, 2017 and does not include "crowdfunding" rounds.

Source: CoinSchedule, CB Insights, Goldman Sachs Global Investment Research.



Innovative Capitalism : ICO model

Preamble

EIP: 20
Title: ERC-20 Token Standard
Author: Fabian Vogelsteller <fabian@ethereum.org>, Vitalik Buterin <vitalik.buterin@ethereum.org>
Type: Standard
Category: ERC
Status: Accepted
Created: 2015-11-19

Simple Summary

A standard interface for tokens.

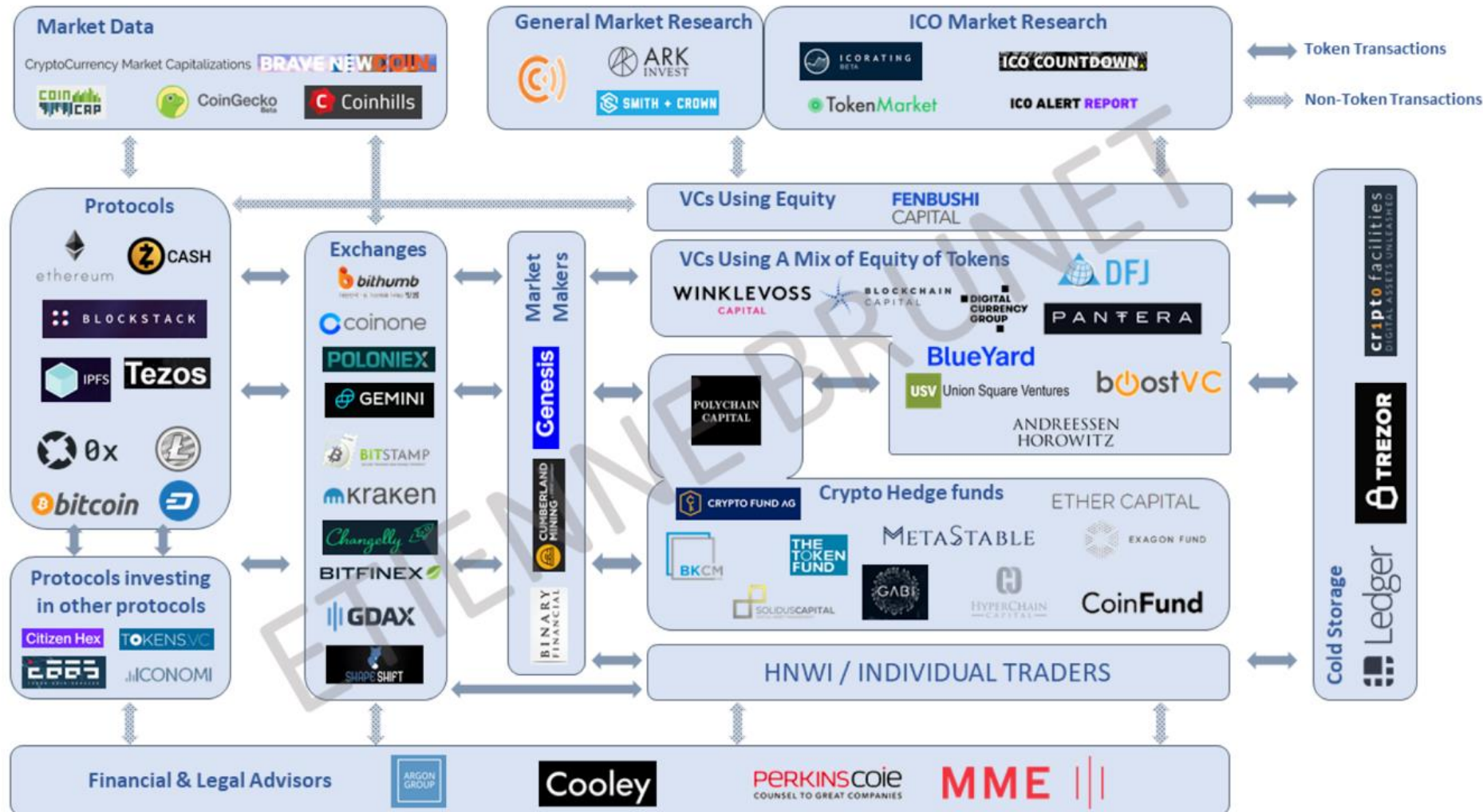
Abstract

The following standard allows for the implementation of a standard API for tokens within smart contracts. This standard provides basic functionality to transfer tokens, as well as allow tokens to be approved so they can be spent by another on-chain third party.

Motivation


A standard interface allows any tokens on Ethereum to be re-used by other applications: from wallets to decentralized exchanges.

Innovative Capitalism : ICO model



Innovative Capitalism : ICO model




 **Satang** Socialized Bitcoin Wallet


Buy: 126,751.80 THB | Sell: 120,981.00 THB | [Buying & Selling](#) | [How It Works](#) | [Security](#) | [Terms & Privacy](#) | [ภาษาไทย](#)


Bitcoin network may encounter potential hardfork on 31st July - 1st August 2017. Please don't send or receive Bitcoins during 29th July - 2nd August 2017.

Bitcoin Made Social!


Make and share payments to friends with Bitcoin

 Available on the Open Web

 Available on the App Store

 GET IT ON Google play

[Like](#) [Share](#) You and 104 others like this.



Download Presentation

Our presentation for Blockchain meetup at Microsoft Thailand can be download [here](#).

Social

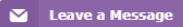
Find your friends, see who are nearby, send and request to them at anywhere and anytime!

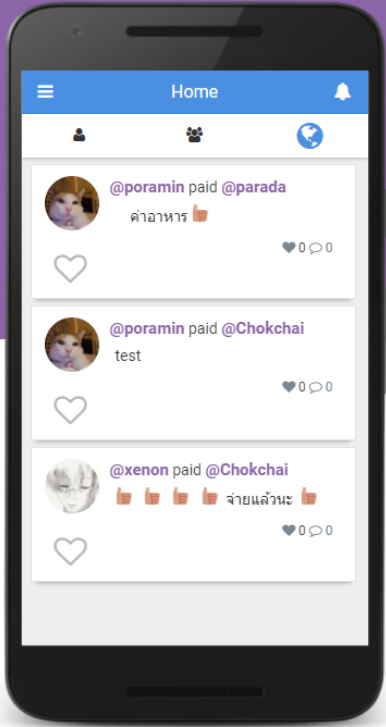
Real-time

Everything is on real time. See your feeds live update, get notifications when something is done, and so on. Watch it live updates at the right side!

Secure

We put security as our top priority. Just for you! See [Security](#).

 Leave a Message

A smartphone displaying the app's home screen. The screen shows a list of transactions: '@poramin paid @parada' with Thai text 'ค่าอาหาร' and thumbs up, '@poramin paid @Chokchai' with 'test', and '@xenon paid @Chokchai' with Thai text 'จ่ายแล้วนะ' and thumbs up. Each entry has a heart icon and a comment icon.

Balances

THB

277.61

BTC

0.76200000

Deposit

Withdraw

Buy

Sell

Limit

Market

Amount (all)

0.00000000

BTC

Price Per BTC

129300.00

THB

Total

0.00 THB

Buy

Trollbox

Eagle_x

: how time to trade xzc?

Eagle_x

: who can tell me

Eagle_x

: Is anybody here?

anuith

: they said XZC is coming in about a month

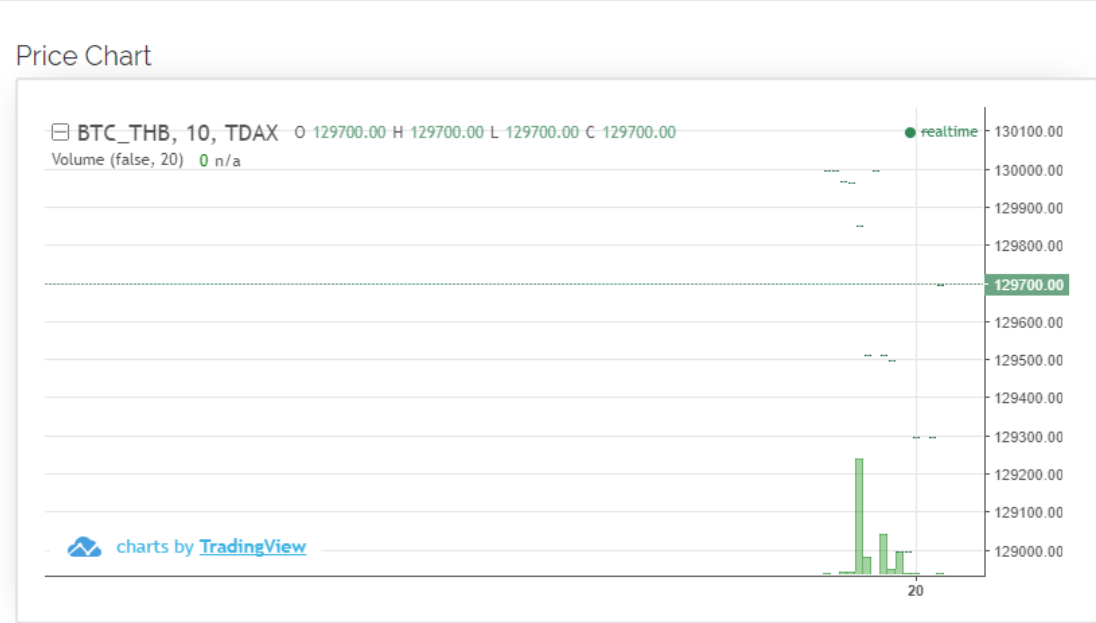
anuith

: in a news somewhere

Guest555

: ..

Enter Messages



Buy Orders

Amount (THB)	Amount (BTC)	Price (THB)
8,650.17	0.06689998	129,300.00
1,768.67	0.01370000	129,100.00
5,083.89	0.03941000	129,000.00
386.85	0.00300000	128,950.00
2,560.00	0.02000000	128,000.00
8,032.50	0.06300000	127,500.00
15,939.00	0.12600000	126,500.00
10,327.13	0.08261704	125,000.00
1,220.00	0.01000000	122,000.00
11,495.00	0.09500000	121,000.00
8,574.62	0.07145520	120,000.00

View all

Sell Orders

Price (THB)	Amount (BTC)	Amount (THB)
130,000.00	7.21000000	937,300.00
130,100.00	0.00019922	25.92
130,150.00	0.00700000	911.05
130,158.00	0.00600000	780.95
130,167.00	0.00400000	520.67
130,367.00	0.07000000	9,125.69
130,377.00	0.04000000	5,215.08
130,378.00	0.00800000	1,043.02
130,397.00	0.00600000	782.38
130,398.00	0.00500000	651.99
130,498.00	0.00500000	652.49

View all

Recent Trades

Time	Price (THB)	Amount (BTC)
13 hours ago	129,300.00	0.00050001
13 hours ago	130,100.00	0.00050001
13 hours ago	129,300.00	0.00050001
13 hours ago	130,100.00	0.00030077
13 hours ago	130,100.00	0.00019924
2 days ago	129,300.00	0.00100000
2 days ago	129,000.00	0.00100000
2 days ago	129,000.00	0.01959000
3 days ago	129,500.00	0.00500000
3 days ago	129,515.00	0.03541000

View all

Open Orders

Time	Price (THB)	Amount (BTC)	Amount (THB)
Sep 21, 2017 12:55 PM	130,000.00	7.21000000	937,300.00
Sep 19, 2017 9:25 AM	130,800.00	0.00700000	915.60
Sep 19, 2017 9:24 AM	130,500.00	0.00600000	783.00
Sep 19, 2017 9:24 AM	130,498.00	0.00500000	652.49
Sep 19, 2017 9:24 AM	130,398.00	0.00500000	651.99
Sep 19, 2017 9:23 AM	130,397.00	0.00600000	782.38
Sep 19, 2017 9:22 AM	130,378.00	0.00800000	1,043.02
Sep 19, 2017 9:22 AM	130,377.00	0.04000000	5,215.08
Sep 19, 2017 9:21 AM	130,367.00	0.07000000	9,125.69
Sep 19, 2017 9:21 AM	130,167.00	0.00400000	520.67

View all

Notices

?

Sep 21, 2017 3:09 PM

New language available!

We have added Chinese language :).

?

Sep 21, 2017 12:49 AM

เราได้ทำการยืนยันตัวตนและบัญชีธนาคารผู้ใช้ส่วนใหญ่แล้ว!

หากผู้ใช้งานท่านใดยังคงไม่ได้รับการตรวจสอบ รบกวนหักแชทเพื่อให้เจ้าหน้าที่แจ้งข้อผิดพลาดของการตรวจสอบครับ

?

Sep 19, 2017 11:35 AM

เรียนผู้ใช้ที่เคารพทุกท่าน

เนื่องจากในขณะนี้ผู้ใช้สมัครเข้าใช้งานเป็นจำนวนมาก ทำให้การยืนยันตัวตนและบัญชีธนาคารอาจเกิดความล่าช้าไปบ้าง ทางทีมงานต้องขออภัยในความไม่สะดวกเป็นอย่างสูงครับ โดยทางทีมงานจะรีบดำเนินการยืนยันอย่างรวดเร็วที่สุด

?

Sep 19, 2017 9:09 AM

Hello users, happy trading :)

Open at 9.09





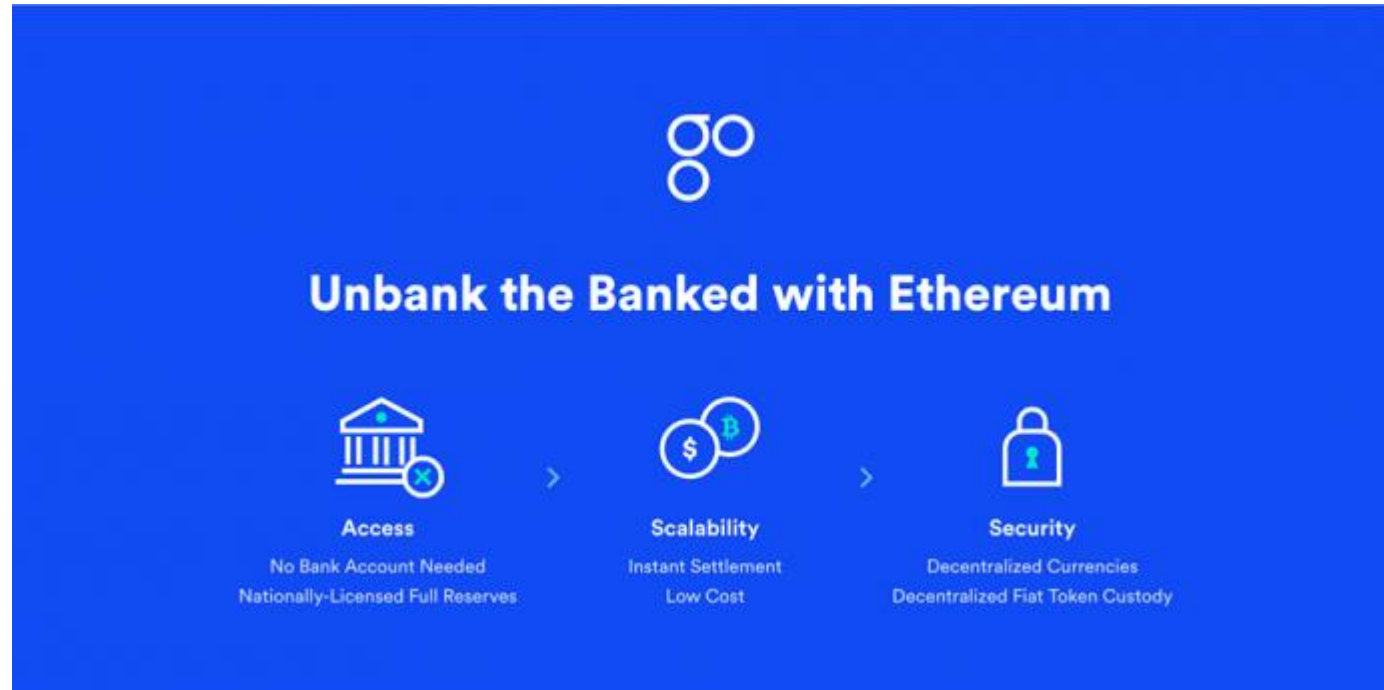
Innovative Capitalism : ICO model

- SEC: Virtual Tokens Issued in Blockchain-Based ICO's may be “Securities”
- According to Chinese Official, China's Ban on Initial Coin Offerings is Only Temporary
- มุมมองของ ก.ล.ต. กรณี ICO (<http://www.sec.or.th/TH/Pages/FinTech/ICO.aspx>)

“ก.ล.ต. มีนโยบายส่งเสริมการเข้าถึงทุนของธุรกิจ ซึ่งรวมถึงกลุ่มเทคโนโลยีที่มีศักยภาพ และเห็นว่า ICO สามารถเป็นกลไกที่ช่วยตอบโจทย์เรื่องการระดมทุนให้ธุรกิจดังกล่าวได้ ทั้งนี้ หาก ICO ใดมีลักษณะที่เข้าข่ายเป็นหลักทรัพย์ ผู้ระดมทุนก็ต้องดำเนินการตามกฎหมาย / กฎเกณฑ์ที่เกี่ยวข้องด้วย

อย่างไรก็ดี ก.ล.ต. ยอมรับว่าการทำธุรกิจของกลุ่มเทคโนโลยีมีความแตกต่างจากธุรกิจในรูปแบบที่คุ้นเคย และการระดมทุนลักษณะดังกล่าวอาจไม่สอดคล้องกับเกณฑ์การกำกับดูแลหลักทรัพย์ที่มีอยู่ในปัจจุบัน ก.ล.ต. จึงอยู่ระหว่างพิจารณาแนวทางการกำกับดูแลที่เหมาะสม และยินดีรับฟังทุกความเห็นจากภาคธุรกิจ เพื่อไม่ให้มีกฎเกณฑ์ที่เป็นอุปสรรคต่อการสร้างนวัตกรรมที่เป็นประโยชน์ ในขณะที่ยังสามารถป้องกันไม่ให้ผู้ที่ไม่สุจริตอาศัยช่องทางนี้หลอกลวงเงินจากประชาชน”

Innovative Capitalism : ICO model



Innovative Capitalism : ICO model



Public

(i) Sale [65.1% of OMG issued]

The bulk of the OMG will be released in a sale, where they will be sold in exchange for up to a maximum of USD \$25 million equivalent.

(ii) Airdrop [5% of OMG issued]

We will airdrop 5% of OMG tokens to ETH stakeholders, as a means to encourage incentive alignment with the Ethereum mainnet, with which the OmiseGO chain will have a symbiotic relationship, and which will promote the diversity and balance of our PoS network validators. Airdrop will take place after the closing of the crowdsale. It is by no means a way to solicit funding for the sales. Further information about airdropping can be found in the Explanatory Note & Governance Term.

Private

(iii) OmiseGO reserve [20% of OMG issued]

Directly released by the smart contract to OmiseGO for future costs and uses including use for network validation as part of the development and execution of the project. These OMG are locked through a smart contract function and may not be transacted by OmiseGO for a period of 1 year, starting at the end of the creation period.

(iv) Team [9.9% of OMG issued]

Innovative Capitalism : ICO model



Joseph Poon

Lightning Network Co-Author
OmiseGO Principal Author



Vitalik Buterin

Founder of Ethereum
Proof-of-Stake Research:
Scalability, Safety, Privacy



Dr. Gavin Wood

Co-Founder of Ethereum,
Founder of Parity & Polkadot
Consensus Technology Research,
Development and Utilization



Jae Kwon

Creator of Tendermint, and
Cosmos Network
Proof-of-Stake Research - BFT
Consensus, Speed,
Interoperability



Vlad Zamfir

Casper (Ethereum) Research Lead
Proof-of-Stake Research:
Economic Security, Consensus
Protocols, Correct-by-
Construction Protocols



Martin Becze

eWASM (Ethereum Web
Assembly) creator
Scalability research: eWASM,
VM's, microkernels



Julian Zawistowski

Founder of Golem
Decentralised Economics
Enthusiast



Prof. David Lee Kuo Chuen

Professor of Quantitative Finance,
Singapore University of Social
Sciences
Financial Inclusion, Microfinance



Pandia Jiang

Founder of LinkTime
Community Relations, Crypto-
Business Advisor



Roger Ver

CEO of bitcoin.com, First Major
Backer of Earliest Crypto Startups
Decentralization Advisor, Human
Rights Advocate

Innovative Capitalism : ICO model



[News](#) [Startups](#) [Mobile](#) [Gadgets](#) [Enterprise](#) [Social](#) [Europe](#) [Trending](#) [Amazon](#)

DISRUPT SF TechCrunch's flagship event begins next week - don't miss out [Get your tickets today](#)

omise

initial coin offering

ICOs

Popular Posts

Facebook's generation of 'Jew Hater' and other advertising categories prompts system inspection
a day ago

Social Capital to take startups public without an IPO
a day ago

Reid Hoffman on evolving product-market fit and sizing up talent
3 days ago

The promise of managing identity on the blockchain
5 days ago

Mercedes-Benz will electrify its entire car lineup

The first ICO unicorns are here

Posted Aug 31, 2017 by [Jon Russell](#) (@jonrussell)



It was always likely to happen, but the speed in which the first ICOs worth more than \$1 billion have arrived is surprising.

Today both OmiseGO (OMG) and Qtum passed a \$1 billion market cap today, [according to coinmarketcap.com](#), a site that tracks the value of crypto tokens. In doing so, they

Innovative Capitalism : ICO model



Secure <https://www.aeternity.com>

AETERNITY FAQ INNOVATION TEAM

TECHNOLOGY BLOG WALLET GITHUB EN

CONTRIBUTION CAMPAIGN STARTED

Get 700 AE tokens for 1 ETH
until June 12, 13:05 GMT

PHASE 2 IN PROGRESS!


Participate in the second and final phase of æternity's contribution campaign.

[GO TO WALLET PAGE »](#)

GET INVOLVED

The time is now! Join æternity and support the next evolutionary step in blockchain technology.


[APPLY HERE »](#)



Scalable smart contracts interfacing
with real world data.

[GET AE TOKENS](#)

[Read Whitepaper](#)



æternity applications

Wallet Market Exchange

OPEN



Innovative Capitalism : ICO model

Starting from a savvy critique of the smart contracts of **Ethereum** and other modern platforms, it is born the new initiative of the self-proclaimed godfather of **Ethereum**, Yanislav Malahov, **Aeternity**, which seeks to integrate the best aspects of the main platforms into one **blockchain**. According to Malahov, he and Vitalik Buterin - founder of **Ethereum** - maintained labor exchanges for a development based on **blockchain** that later would decant in

28	 Augur	\$189,922,700	\$17.27	11,000,000 REP *	\$789,027	-2.02%
----	---	---------------	---------	------------------	-----------	--------

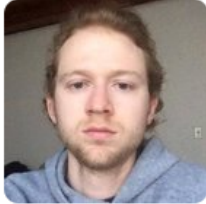


Malahov, along with **Augur's** ex-developer Zack Hess and computer maker Jack Pettersson, has decided to outbid **Ethereum** and other platforms such as *Namecoin*, *Truthcoin* and *Factom* with the creation of **Aeternity**. In the whitepaper of this new platform, they give account of all the advances made by these companies. However, they note that all have failed to unify all these benefits, also having deficiencies in governance issues, scalability, scripting, security or cheap access to the real-world data. The goal of **Aeternity** is to improve all these aspects.

Innovative Capitalism : ICO model



^
107



NEWS

[Zack\(creator\) of Aeternity on why he left](#) [github.com](#)

submitted 12 days ago by [mcmike313](#)

[114 comments](#) [share](#) [report](#)

ALL 114 COMMENTS

SORTED BY: BEST (SUGGESTED) ▼

[+]

^

[airmc](#)



Moonbull

[13 points](#) 12 days ago

Deary me, is this real? Surely it can't be real. I mean, no way, right?

... Right? Guys?

[permalink](#) [embed](#) [report](#)

[+]

^

[gircrak](#) [7 points](#) 12 days ago*

I posted this below, posting here for some more info/perspective

Disclaimer: I did participate in Ae's ico.

Zack's reddit account is /u/ agorism1337

Innovative Capitalism : ICO model



↑
3
↓



cuckoo cycle mining self.aeternity

 Submitted 6 days ago by Lucifer1903

5 comments [share](#) [report](#)

↑
3
↓



burning token self.aeternity

 Submitted 5 days ago by passerby_me

3 comments [share](#) [report](#)

↑
0
↓



aeternity now officially below ico price. press f to pay respects to this dead project self.aeternity

 Submitted 5 days ago by blueblarflubar

27 comments [share](#) [report](#)

↑
4
↓



how long will you hold your aeternity bags? self.aeternity

 Submitted 6 days ago by CptFloates

9 comments [share](#) [report](#)

↑
2
↓

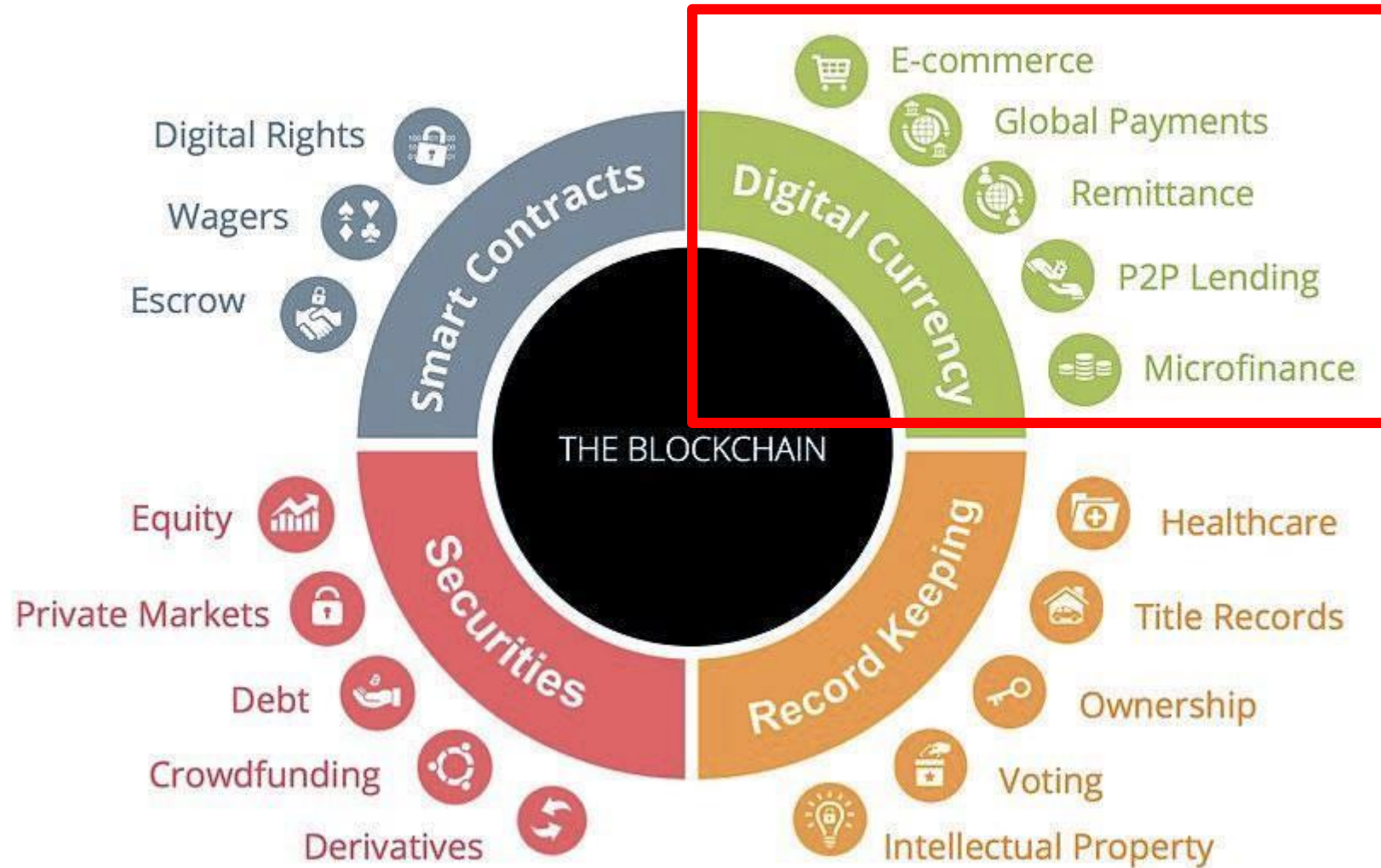


sending ae to exodus wallet self.aeternity

 Submitted 6 days ago by passerby_me

2 comments [share](#) [report](#)

Digital Currencies



What is Cash ?



- **NOTE:** It is a piece of paper with certain amount written on it and a probably a serial number written on it.
- **COIN:** It is a piece of metal, mostly circular in shape with certain amount depicted on it.



What is Electronic Cash (E-cash) ?



- It is a file having some code or sequence of number.
- This file is transferable from one network to another network.



Account Based Approach



- A third party maintains a database of various accounts and for transactions, simply deduct money from one account and add to another account.
- They get paid for providing services.
- Example : Bank System.

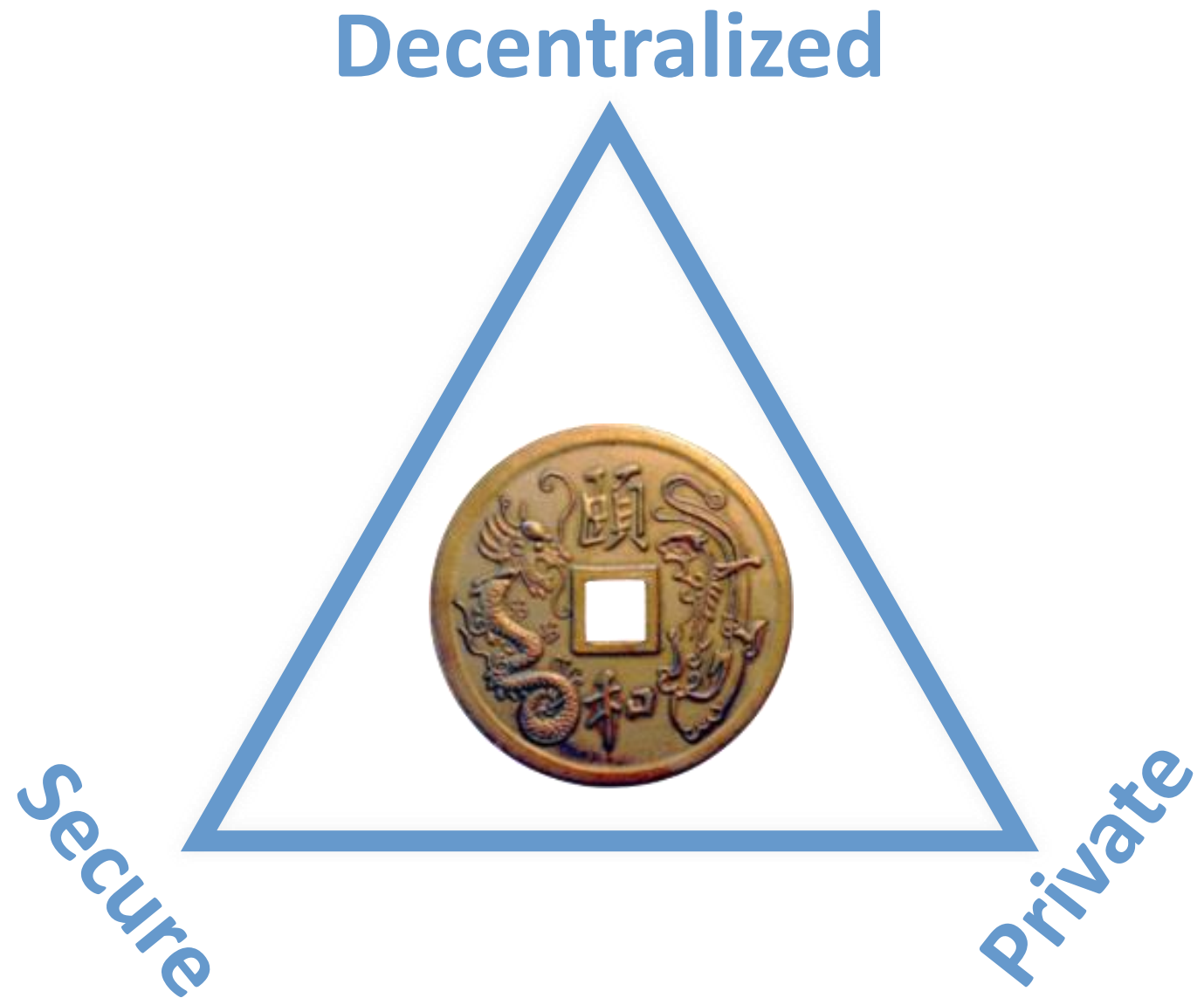
Account Based Approach : Disadvantages



- Trusted parties required to operate.
- Centralization and Trust.
- Money can be stolen. (Robbery)
- Bank can go out of business. (Bankrupt)
- Privacy issue. (Your data can be sold)
- Your account can be seized.



An Ideal Digital Currency

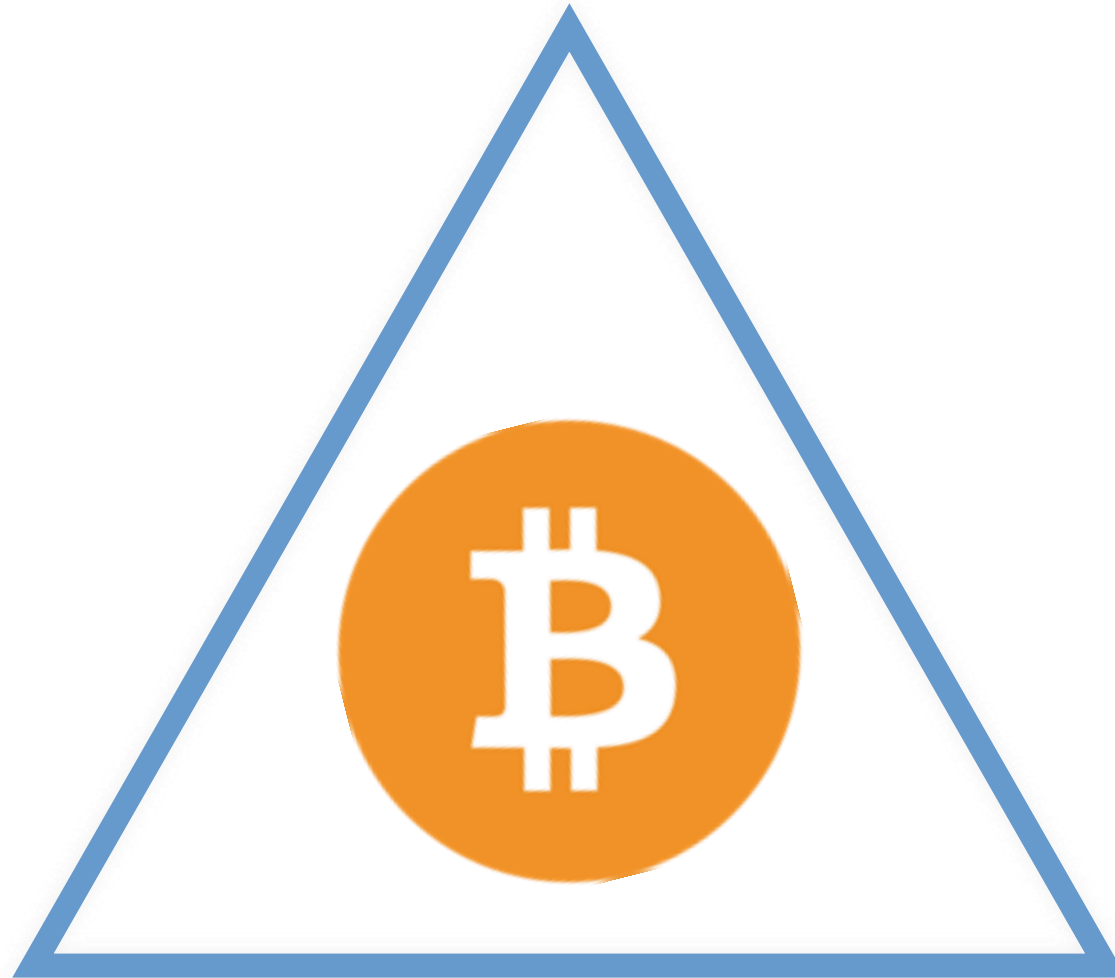


Bitcoin

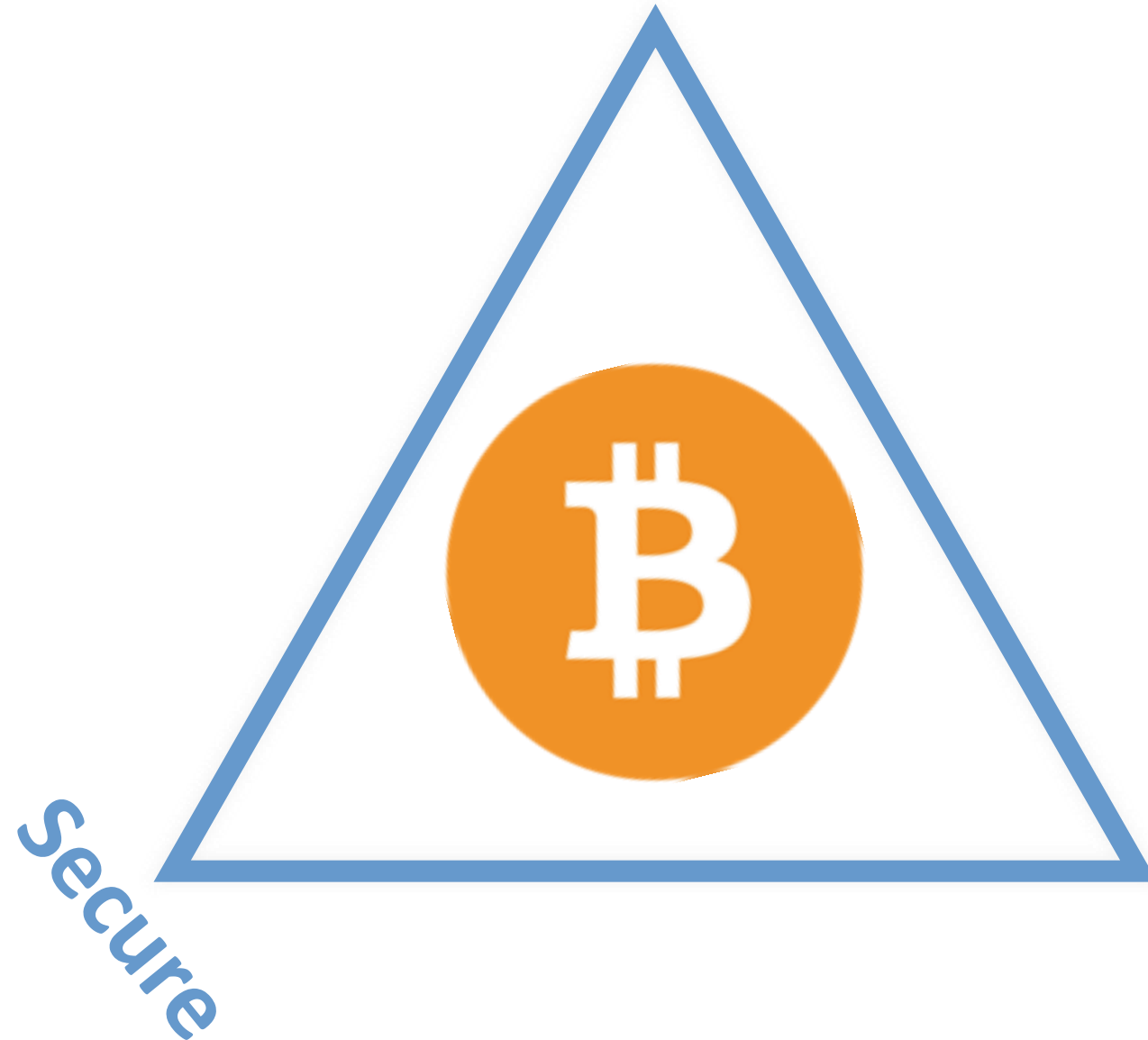
- A distributed digital currency system
- Released by Satoshi Nakamoto 2008
- Market cap of 70 Billion USD (larger than PayPal)
- Effectively a bank run by an ad hoc network
 - A distributed transaction log

<u>Market Capitalisation</u>	
 PayPal	 bitcoin
\$ 69,787,123,273	\$ 70,091,648,513
Source: Nasdaq.com	Source: CoinMarketCap.com

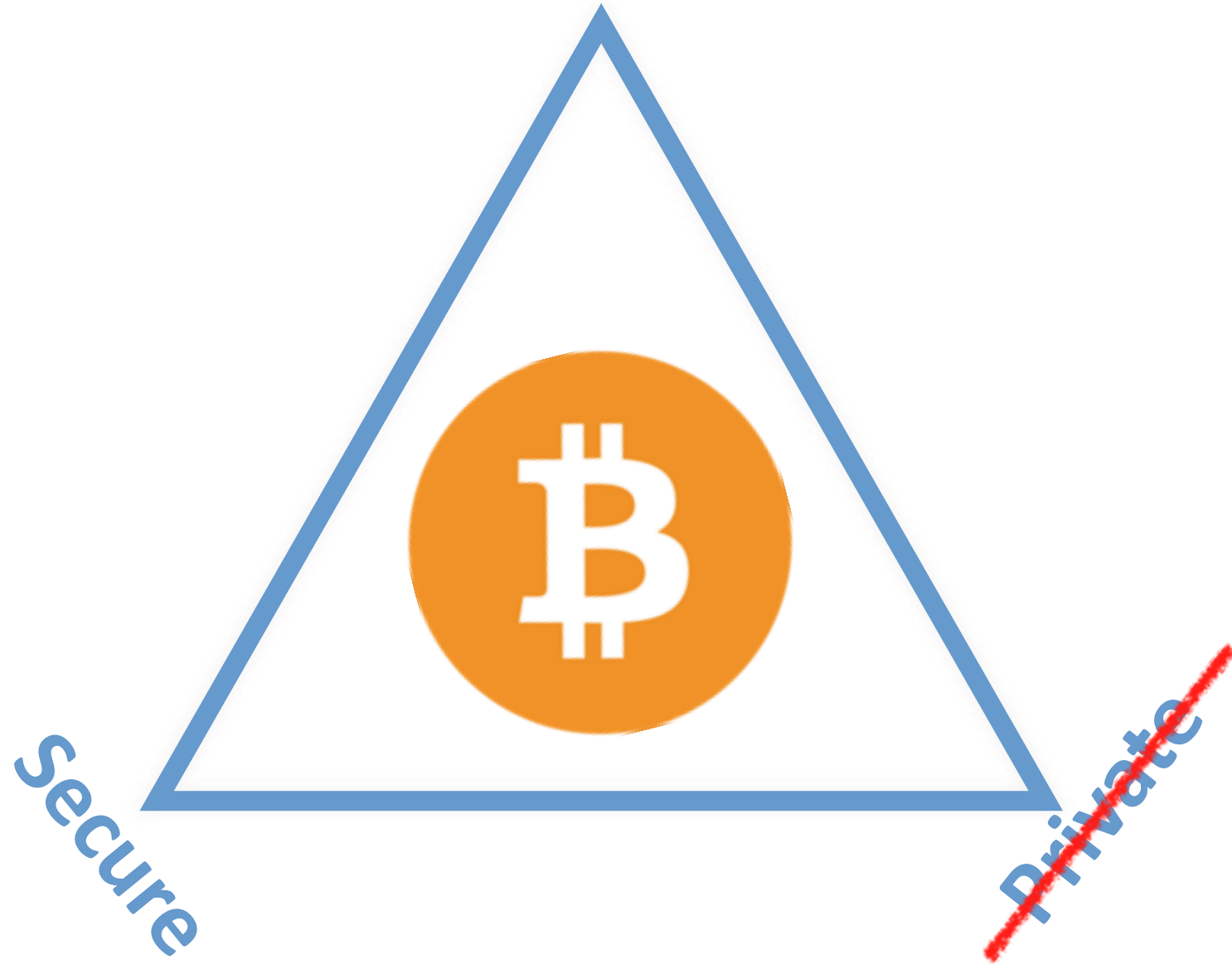
Decentralized



Decentralized



Decentralized





Evaluating User Privacy in Bitcoin

Elli Androulaki¹, Ghassan O. Karame², Marc Roeschlin¹,
Tobias Scherer¹, and Srdjan Capkun¹

¹ ETH Zurich, 8092 Zuerich, Switzerland
androulaki@inf.ethz.ch, romarc@student.ethz.ch,
scherer@inf.ethz.ch, capkuns@inf.ethz.ch

² University of Mannheim, 69115 Heidelberg, Germany
karame@neclab.eu

How-



Quantitative Analysis of the Full Bitcoin Transaction Graph

Dorit Ron and Adi Shamir

Department of Computer Science and Applied Mathematics,
The Weizmann Institute of Science, Israel
{dorit.ron, adi.shamir}@weizmann.ac.il

is a rare example of a large scale global
publicly accessible (but
home.



Quantitat

Depart

An Analysis of Anonymity in the Bitcoin System

This blog is written by Fergal Reid and [Martin Harrigan](#). We are researchers with the [Clique Research Cluster](#) at [University College Dublin](#). The results in this blog are based on a paper we wrote that considers anonymity in the Bitcoin system. [A preprint of the paper is available on arXiv.](#)

Update (January 1, 2013): We received many requests for an up to date, human-readable copy of the block chain, which can be difficult to extract using existing tools. [Ciarán Harrigan](#) has released [Bitcoin Explorer](#).



Bitcoin: all of your information
is known to
the bank
the merchants
EVERYONE



The Zcoin Project

Brief Introduction of Privacy Centric Cryptocurrency

What is Zcoin?

Zcoin is considered an Altcoin or Alternate Coin

Alt coin is any cryptocurrency that is NOT Bitcoin

Bitcoin is provides a platform for value and liquidity for alt coins

Altcoins are trying to expand the capability of Bitcoin

A promotional banner for Zcoin. The background is dark blue with a diagonal split. On the right side, there is a wooden surface with a large green 'Z' logo and a white smartphone with a silver chain and padlock. The text is white and green.

The first and only original implementation of the Zerocoin Protocol.

Join us on Slack! // zcoin.io

zcoin Private financial transactions, enabled by the Zerocoin Protocol

Zcoin 1st Class Privacy Solution

A promotional graphic for Zcoin. The top half features a dark blue background with a diagonal split. The left side contains white text: 'Synergistic integration into the Bitcoin ecosystem.' Below this is a green diagonal line and the text 'Join us on Slack! // zcoin.io'. The right side shows a close-up of a gold Bitcoin. The bottom half is a white banner with the Zcoin logo (a green 'Z' followed by 'coin') on the left and the text 'Private financial transactions, enabled by the Zerocoin Protocol' on the right.

Synergistic integration into the Bitcoin ecosystem.

Join us on Slack! // zcoin.io

Zcoin

Private financial transactions, enabled by the Zerocoin Protocol

Zcoin is based on Bitcoin Core code and adopts the same 21 million supply and 4 year coin emission halving

There has been advancements in Blockchain Forensics and USA and EU govt programmes to link Bitcoin transactions to individuals or groups of individuals

Zcoin is here to solve the PRIVACY PROBLEMS of the bitcoin network

Zcoin Privacy Technology

Zcoin is the first implementation of Zerocoin paper written by a team of cryptographers at John Hopkins University in 2016.

Zero Knowledge Proof allows the ‘burning’ of a token and a ‘creation’ of a brand new token without transaction history

A major improvement beyond ‘coin mixing’

Zcoin has an anonymity set that encompasses all minted coins in a particular RSA accumulator that can scale to many thousands and not subject to transaction graph analysis.

Fully anonymous transactions through ZKP and proven RSA cryptography.

Join us on Slack! // zcoin.io



Private financial transactions, enabled by the Zerocoin Protocol



Cryptocurrency : bubble or homerun ?



JPMorgan CEO Jamie Dimon says bitcoin is a 'fraud' that will eventually blow up

<https://www.youtube.com/watch?v=FaJUO-saPOs>

- "It's worse than tulip bulbs. It won't end well. Someone is going to get killed," Dimon said.
- Bitcoin fell to trade around its session lows after Dimon's comments.
- Dimon's criticism comes at a time when some well-known figures on Wall Street are starting to embrace the cryptocurrency.

Fred Imbert | [@foimbert](#)

Published 1:27 PM ET Tue, 12 Sept 2017 | Updated 4:39 PM ET Tue, 12 Sept 2017

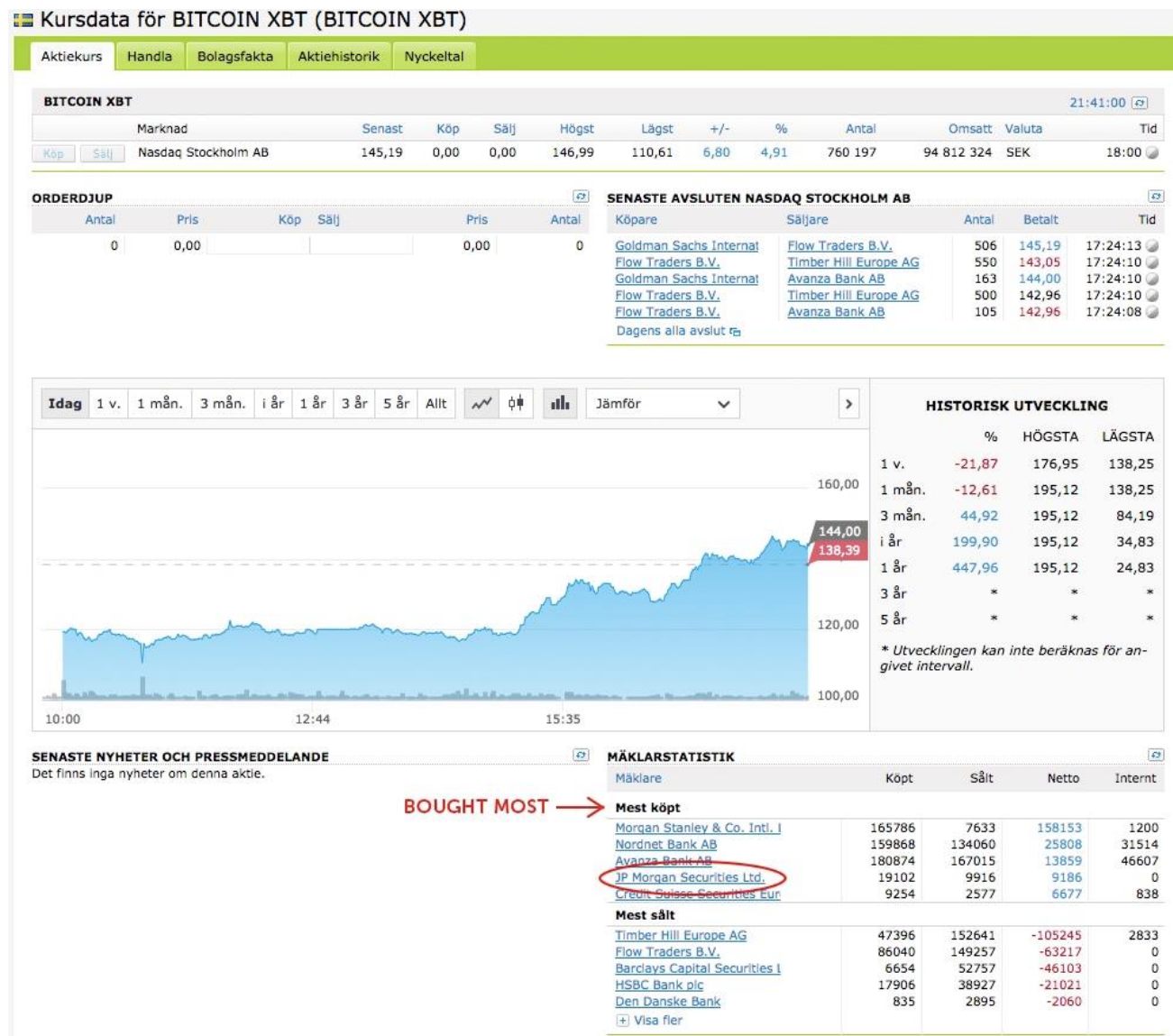


JPMorgan Chase CEO Jamie Dimon took a shot at [bitcoin](#), saying the cryptocurrency "is a fraud."

Cryptocurrency : bubble or homerun ?



Cryptocurrency : bubble or homerun ?



Cryptocurrency : bubble or homerun ?



8 mins ago | Jamie Redman | 4202 | 0

Jamie Dimon's Bitcoin Statements Reported as Market Abuse in Sweden

JP Morgan's chief executive, Jamie Dimon, might be getting into some trouble with Swedish financial authorities for market abuse when he called bitcoin a "fraud" last week.

Also read: [Bitcoin Proponents Respond to JP Morgan Executive's Statements](#)

Cryptocurrency : bubble or homerun ?



865 Currencies / 244 Assets / 5508 Markets

Market Cap: **\$121,564,797,361** / 24h Vol: **\$5,385,085,872** / BTC Dominance: **48.5%**

CryptoCurrency Market Capitalizations

Market Cap ▾ Trade Volume ▾ Trending ▾ Tools ▾

Search Currencies



All ▾

Currencies ▾

Assets ▾

USD ▾

Next 100 →

View All

#	Name	Market Cap	Price	Circulating Supply	Volume (24h)	% Change (24h)	Price Graph (7d)
1	Bitcoin	\$58,918,179,420	\$3555.73	16,569,925 BTC	\$2,153,630,000	0.31%	
2	Ethereum	\$22,972,069,949	\$242.69	94,656,412 ETH	\$867,274,000	0.36%	
3	Bitcoin Cash	\$6,972,771,624	\$420.42	16,585,213 BCH	\$338,261,000	4.71%	
4	Ripple	\$6,780,686,655	\$0.176839	38,343,841,883 XRP *	\$105,461,000	-1.37%	
5	Litecoin	\$2,549,198,911	\$48.14	52,959,032 LTC	\$688,505,000	2.77%	
51	ZCoin	\$35,828,232	\$11.79	3,038,995 XZC	\$10,495,100	4.49%	

Cryptocurrency : bubble or homerun ?



Cryptocurrency : bubble or homerun ?



Cryptocurrency : bubble or homerun ?



ZCoin Charts



Cryptocurrency : bubble or homerun ?



Yacoin Charts





Q&A

Questions and answers session