BLOCKCHAIN

The Next Generation of the Internet

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Ulit

FINANCIAL INDUSTRY



FINANCE

- 100 Trillion Industry
- worlds most powerful industry



IN NEED OF AN UPGRADE

- Paper checks and mainframes
- A simple McDonalds' credit card payment:
 - 5+ intermediaries
 - Transaction takes seconds to approve but days to settle
- International bank-to-bank transfers
 - Takes days/weeks
 - Money is inactive during transfer
- Buying a stock
 - done in nanoseconds
 - takes 3+ days to settle





WHAT DOES THE FINANCIAL INDUSTRY DO?

- Authenticate / Authorize
- Confirms value
- Transfer value
- Store value
- Lend value
- Exchange value
- fund & invest
- Insure value and Manage risk
- Account for & audit value

CONTRACTS





- meeting of the minds
- a set of promises
- building block of the market economy
- means of enabling collaboration



- Legally we live in a world of paper
- We formalize our relationships on paper
- We express or agreements in paper
- Contracts are passive, costly to enforce
- History/track record missing from contract



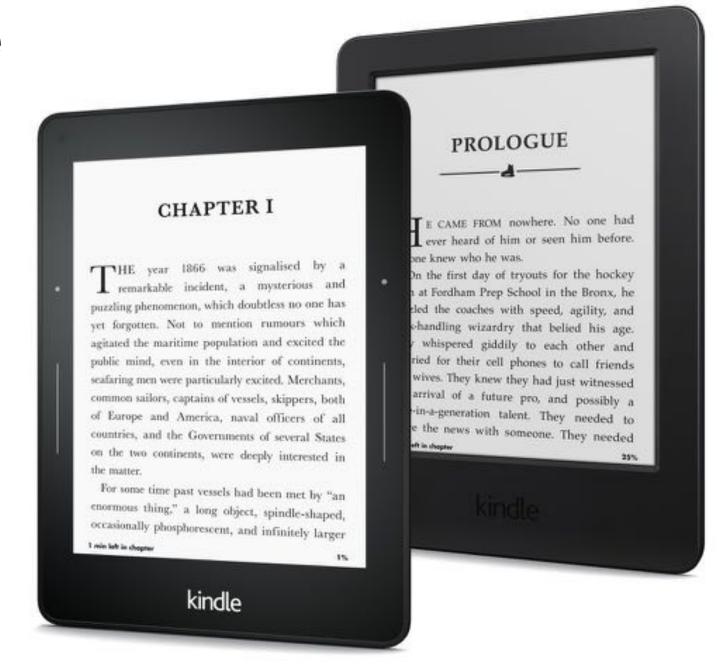
EXAMPLE: VENDING MACHINE

- logic of contract built into machine
- users can execute contract by paying for food (escrow payment)



Kindle

Pay to read





YOUTUBE CONTRACT



INTERNET OF THINGS (IOT) CONTRACT



IF THIS THEN THAT (IFTTT)



GOVERNMENTS





GOVERNMENT BLOCKCHAIN SERVICES

- Wedding registry
- Land registry
- Provenance recall/track and trace
- Asset registrations (e.g. vehicle)
- Taxes
- Audits
- Voting
- Deed transfer
- Blockchain-based passports.

WORLD'S FIRST BLOCKCHAIN-RECORDED MARRIAGE



"till death do us part, because the blockchain is forever"

PUBLIC DOCUMENTS REGISTRIES AND TITLING IN THE DEVELOPING WORLD

- Hernando de Soto
- Institute for Liberty and Democracy, ILD
- Scale Documentation
- Scale Evaluation
- Scale Diagnosing
- Bring the extralegal sector into the legal system

OPPORTUNITY TO LEAP FROG

- Just like countries leapfrogged directly to cellular telephone networks
- Emerging-market countries could leapfrog directly to the implementation of blockchain property registries



VOTING ON A POLITICIANS BASED ON PROMISES (CONTRACTS)

- Imagine if a politician was contractually bound to deliver on the promises made
- Imagine if budgets were only approved dependent on meeting milestones
- Imagine if any changes needed to be approved directly by the population through a blockchain contract amendment



PERSONALIZED GOVERNMENT SERVICES

Personalized Taxes:

- Based on use
- Based on age
- Based on need

Personalized services

- School services
- Athletic Facilities (lights at night)
- Waste removal & composting
- Waste removal & commons contribution







PERSONALIZED GOVERNMENT SERVICES

Roadways use:

- Pay for speed
- Get paid to wait
- Get paid for construction congestion
- Pay for blocking traffic



DAO Hir

DISTRIBUTED AUTONOMOUS ENTITIES

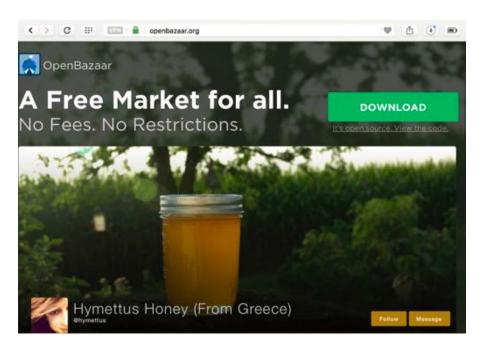
- Decentralized Applications
- Decentralized Autonomous Organizations DAOs
- Decentralized Autonomous Corporations DACs
- Decentralized Autonomous Societies DAS

DECENTRALIZED APPLICATIONS

- OpenBazaar (decentralized Craigslist)
- LaZooz (decentralized Uber)
- Twister (decentralized Twitter)
- Bitmessage (decentralized SMS)
- Storj (decentralized file storage)

HOW IS IT DIFFERENT?

OpenBazaar is a network of individuals running the software on their local computers in order to engage in trade with others directly. The network is peer to peer, with one computer connecting directly to another. It isn't controlled by any individual or organization, including the OpenBazaar core developers. As such, no one *allows* trade to occur, and no one can *prevent* trade from occurring except for law enforcement.



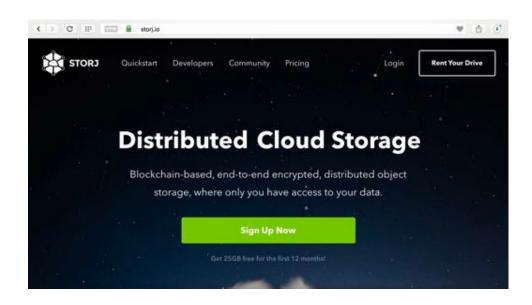
LA'ZOOZ IS A DECENTRALIZED ORGANIZATION

Anyone can contribute towards the establishment of its goals in whatever way he or she believes would be best. Tasks are carried out within autonomous, self-defined circles or teams. Each circle can consist of any number of individuals (including a single person) collaborating together towards well-defined goals, and holding their own (perhaps multisig) wallet to promote the circle's tasks. Once a circle delivers their contribution, the La'Zooz community as a whole evaluates this contribution and as an expression of appreciation reimburses the circle's wallet with zooz tokens accordingly.



STORJ

Storj aims to become a cloud storage platform that can't be censored or monitored, or have downtime. It is the first decentralized, end-to-end encrypted cloud storage that uses blockchain technology and cryptography to secure your files. Raised \$461,802 in crowdfunding.



DAO 1.0

Launch 30 April 2016

US\$34 million by May 10 2016

US\$50 million by May 12 2016

US\$100 million by May 15 2016

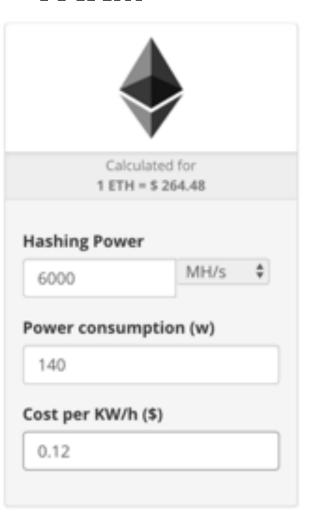
US\$150 million by May 21 2016

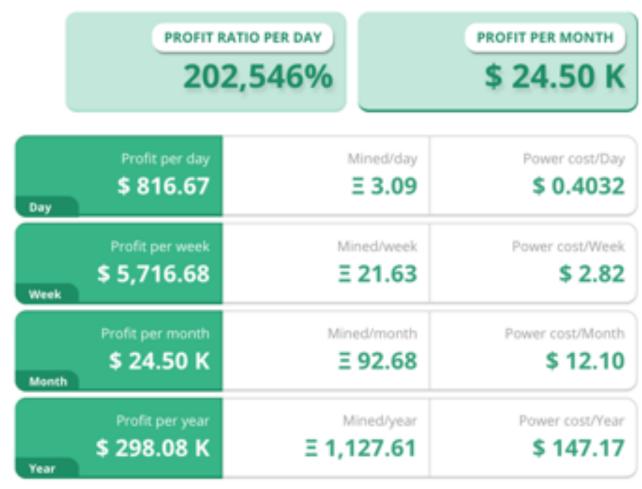
CAN YOU MAKE MONEY MINING?



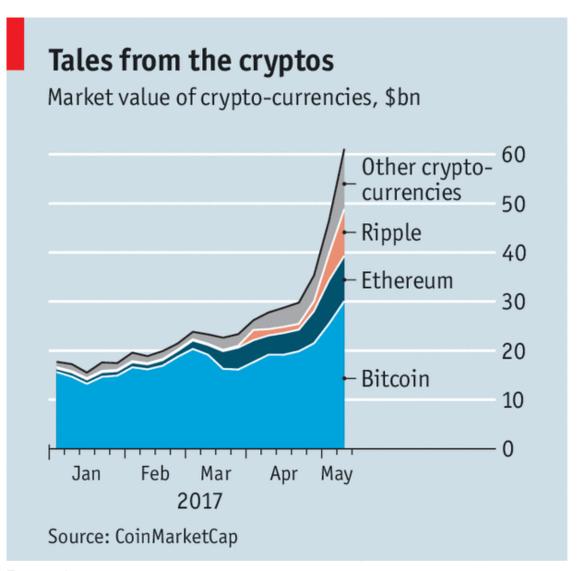


SAMPLE EARNINGS - 6000 MH/S ETHEREUM FARM





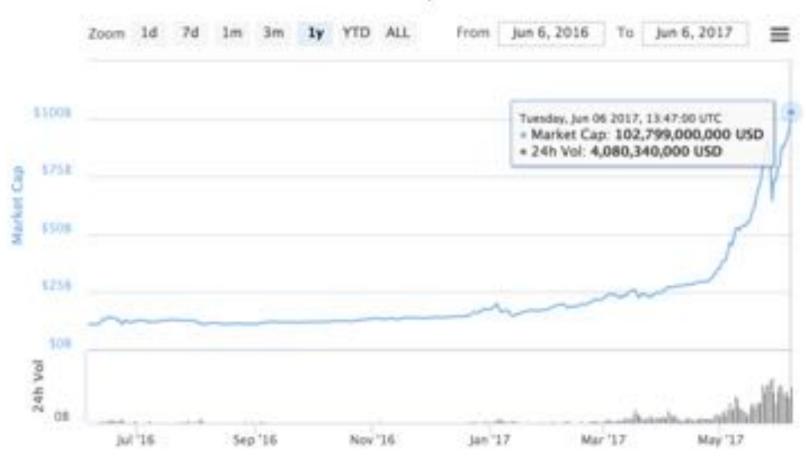
CRYPTOCURRENCY VALUE INCREASE



Economist.com

CRYPTOCURRENCY MARKET

Total Market Capitalization





IN CLOSING



BLOCKCHAIN GENERATIONS

1st Generation - Currencies

- Bitcoin
- Bitcoin like

2nd Generation - Contracts

- Financial Services
- Crowdfunding
- Prediction Markets
- Smart Property
- Development platforms
- DApps

3rd Generation - Digital Services

- DNS
- Digital Identity

4th Generation - Digital Infrastructure

- Government
- Education
- Health
- Publishing

WEB 4.0

Just like HTTP provided the platform for new generation of services – Amazon, Google, and Netflix – Blockchain adds a new layer that enables value exchanges without third parties or trust.

Global Impact

- Financial platform for those without banks (2 billion people)
- Property keeper of record
- Property of hundreds of millions into the legal system
- Access to the global market
- Engine for next generation of the sharing economy
- Eliminate remittances transactions costs
- Citizens privacy
- A new model for organizations
- Government



- Technology Fragmentation
- Standardization
- Government regulation
- Privacy
- Misuse by criminals



Q & A