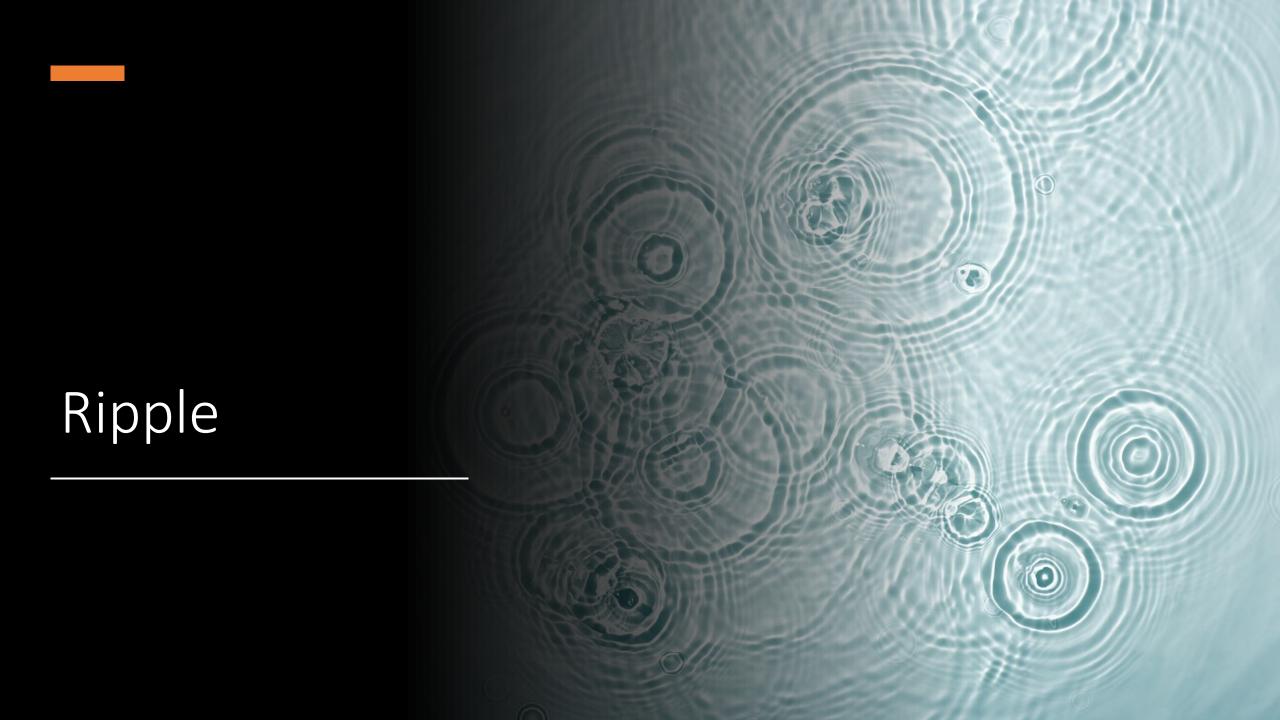
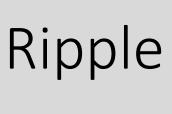


Popular Crypto currencies and Crypto Platforms







Also know as XRP



Prominent and popular forms of crypto currencies today

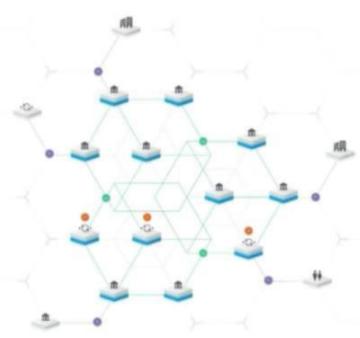


Due to its impact in banking sector, can also be seen as one of the main destructive technologies currently shaping industry

Ripple @

 The company building the Ripple protocol, OpenCoin, was co-founded by CEO Chris Larsen and CTO Jed McCaleb.

- Originally released in 2012
- Written in C++
- Network can operate without the Ripple company
- Uses XRP currency code







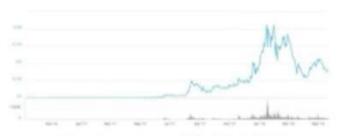
企业级区块链解决方案







Designed to build a scalable network of decentralized applications



Market cap: \$4.1B USD





"Chinese Ethereum"

- Rebranded from AntShares to NEO in June 2017
- Given green light by Chinese government in August 2017
- Distributed tokens to be used to vote on governance issues in March 2018





Litecoin @

Released in 2011

P2P cryptocurrency, technically nearly identical to Bitcoin, except:

- faster transaction confirmation, larger number of coins
- · easier to mine with a GPU



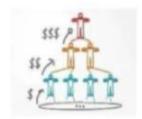
- Marina

Market cap: \$7.5B USD

Meant to be the silver (or copper) to Bitcoin's gold.



- Second most popular digital currency after its launch in 2011
- Chinese Litecoin Ponzi scheme in 2015 undermined acceptance
- Compatible with Blocknet protocol since May 2018







Cardano

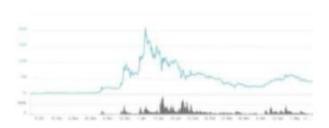




Released in 2017

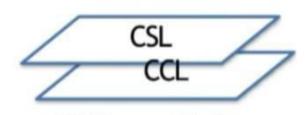


Fully open source smart contract platform.

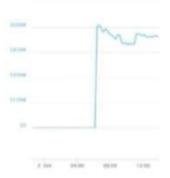


Market cap: \$6.9B USD





Multi-layer architecture



- Launched in September 2017, instant \$600M market cap
- Wallet Daedalus released in April 2018

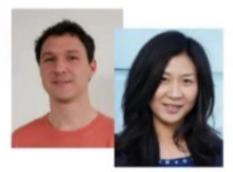




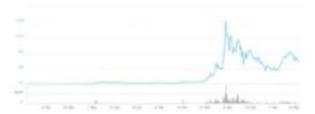
Stellar 🚱



Released in 2014 by NPO Stellar.org



Open-source (hosted on GitHub) protocol for value exchange.



Market cap: \$5.8B USD



It allows multi-currency transactions

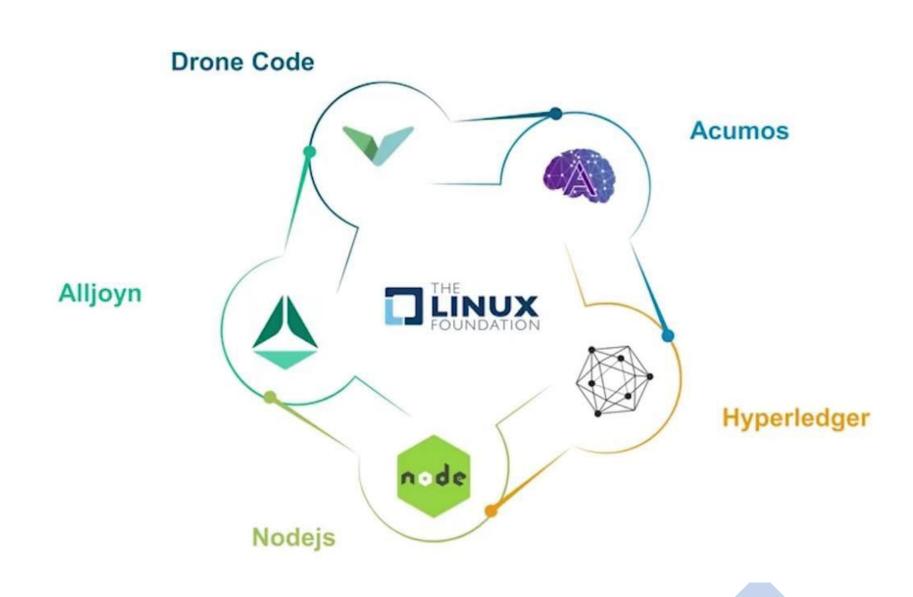
- NPOs in developing countries have been implementing it since February 2015
- Announced cooperation with IBM in May 2018, which could challenge Ripple

Hyperledger

Hyperledger

Project under the Linux foundation

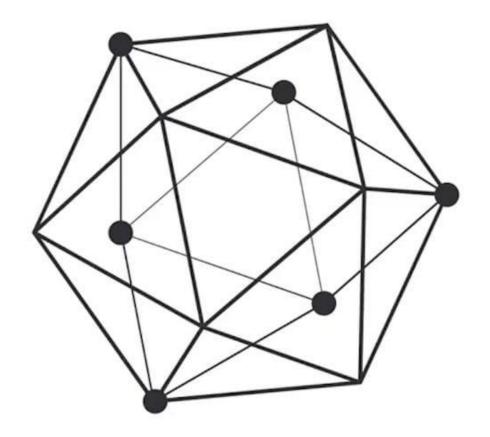
Open-source development project



"Hyperledger is an open sourced community of communities to benefit an ecosystem of Hyperledger based solution providers and users focused on blockchain related use cases that will work across a variety of industrial sectors." –

Brian Behlendorf

(Executive Director, Hyperledger)



Why we need Hyperledger?

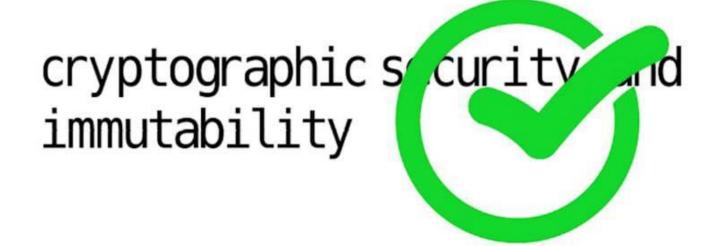
In simpler terms, Hyperledger can be thought of as a software which everyone can use to create one's own personalised blockchain service.





Is Blockchain Really Secure?

cryptography, immutability, and decentralization



tamper-proof account of transactions

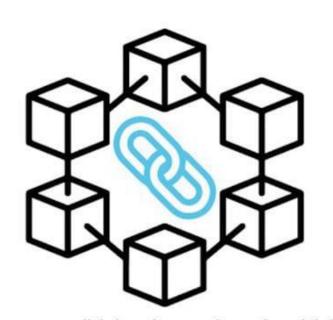
Security Threats/Attacks

1. 51% Attack

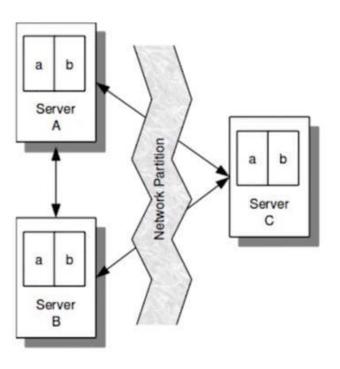


2. Routing Attacks

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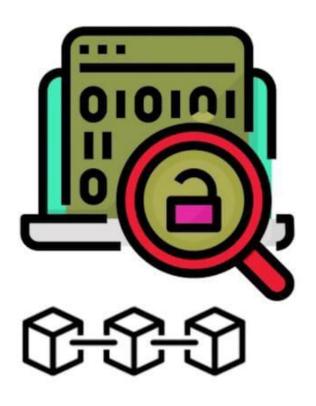




all blocks mined within the smaller component will be discarded together with all included transactions and the miners revenue

3. Blockchain Endpoint Vulnerabilities

3. Blockchain Endpoint Vulnerabilities



anywhere an individual is accessing any form of data







4. Vendor Risks



weak security controls on their own systems, flawed code & even personnel vulnerabilities

smart contracts





5. Phishing Attack





posing as an authentic, authoritative source

100,000 phishing reported just in year 2020

Acknowledgement and Source:

• https://www.udemy.com/course/build-your-blockchain-az/