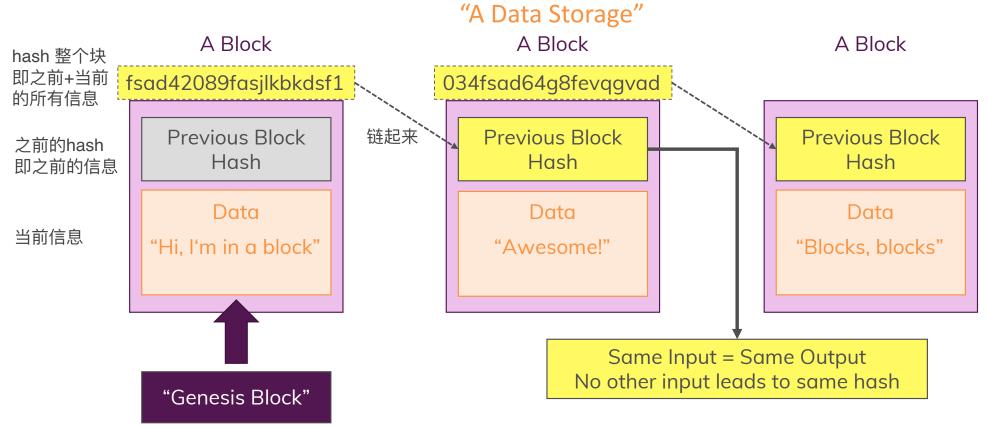


What's a Blockchain?

A distributed data storage consisting of containers (blocks) which are connected.



What is a Blockchain?



Security mechanism:

Each block knows the hashes before it.

If we change one block, the block behind will find that the recalculated hash doesn't 之后全对不上 match with what was already stored.

篡改信息 轻松暴露

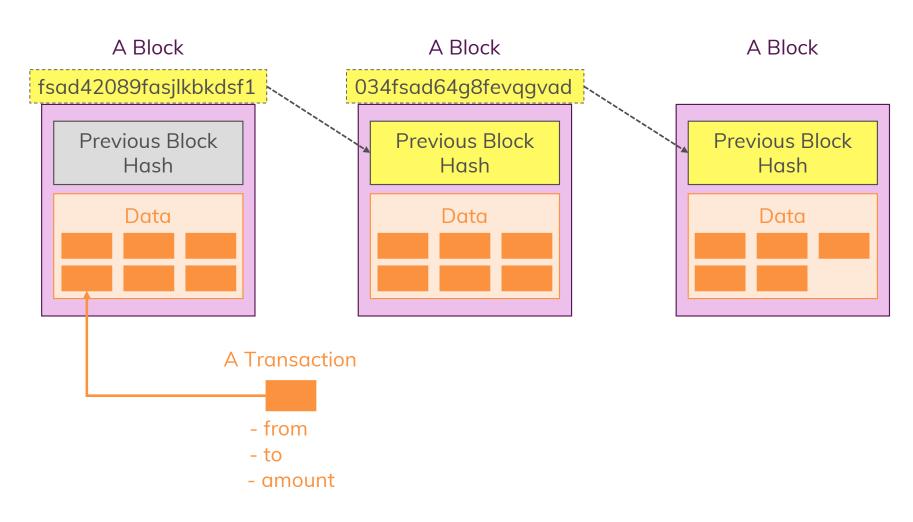


What's a Cryptocurrency?

If the data you store in a block is a list of transactions, the coins transferred in the transactions form your cryptocurrency.

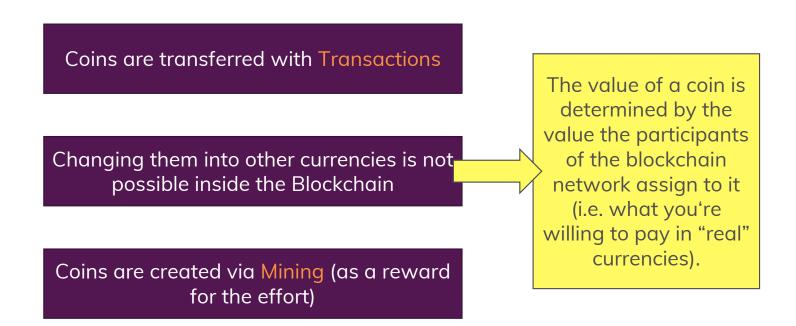


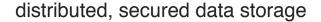
Storing Transactions





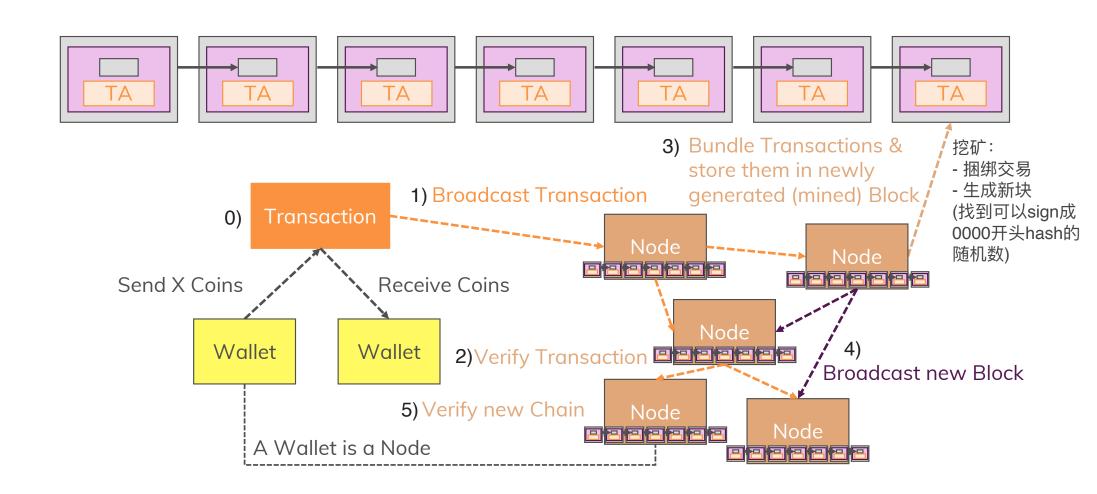
Where are the Coins?







Blockchain Big Picture



Distributed nodes

https://anders.com/blockchain/block.html

https://anders.com/blockchain/

Blockchain Demo

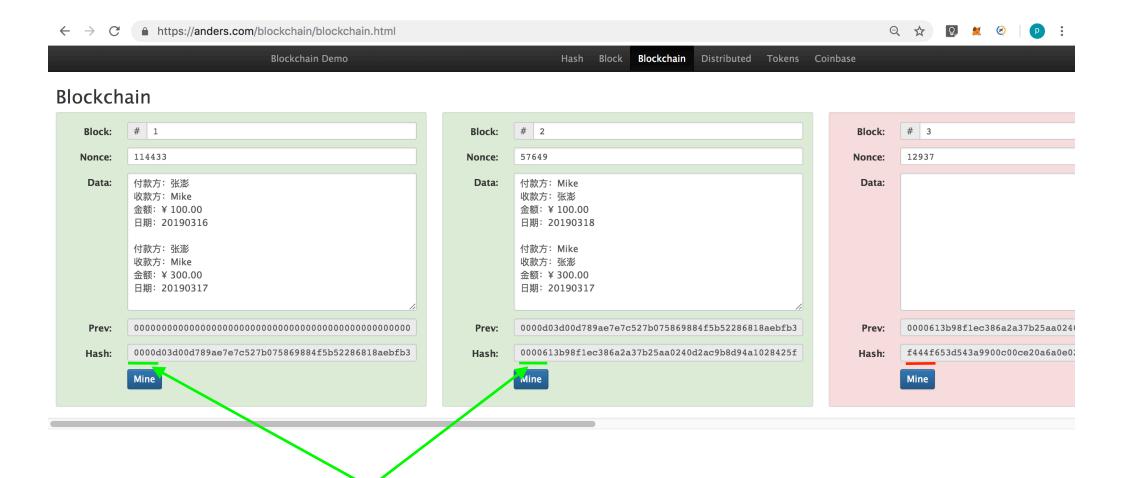
Hash Block Blockchain

Block



Block





还未挖(未 sign)

已 signed (已挖出来)

notes:

- hash: same input -> same output
- hash: same length
- 0000... hash: this block is signed
- mining the nonce: try numbers to make hash start with 0000
- tokens
- coinbase