Blockchain For Everyone

(Explain Like I'm 5)

Intro: Why I am interested

Opportunity?

Curiosity

Overview of the Blockchain World

- Development

  - <u>Bitcoin</u>, <u>Ethereum</u>, <u>EOS</u>, <u>Ripple</u> …

  - cross chain networks: <u>Cosmos</u>, <u>Polkadot</u>, <u>Fusion</u> …

- Investment (<u>Coinbase</u>, <u>Huobi</u>)

- Business (<u>Hyperledger</u>, Libra? …)

- Government (DCEP - Digital Currency Electronic Payment)

NO killer app YET…

Bitcoin & Blockchain

Bitcoin: A Peer-to-Peer Electronic Cash System

Satoshi Nakamoto
satoshin@gmx.com
www.bitcoin.org

Bitcoin White Paper

Bitcoin White Paper Made Simple

Github Repo

Bitcoin & Blockchain

Problem

- Intermediaries / Trusted parties

- Double-spending

Solution

Blockchain

Buzzwords 热词

Anonymous 匿名性

Immutable 不可篡改 & Encrypted 加密
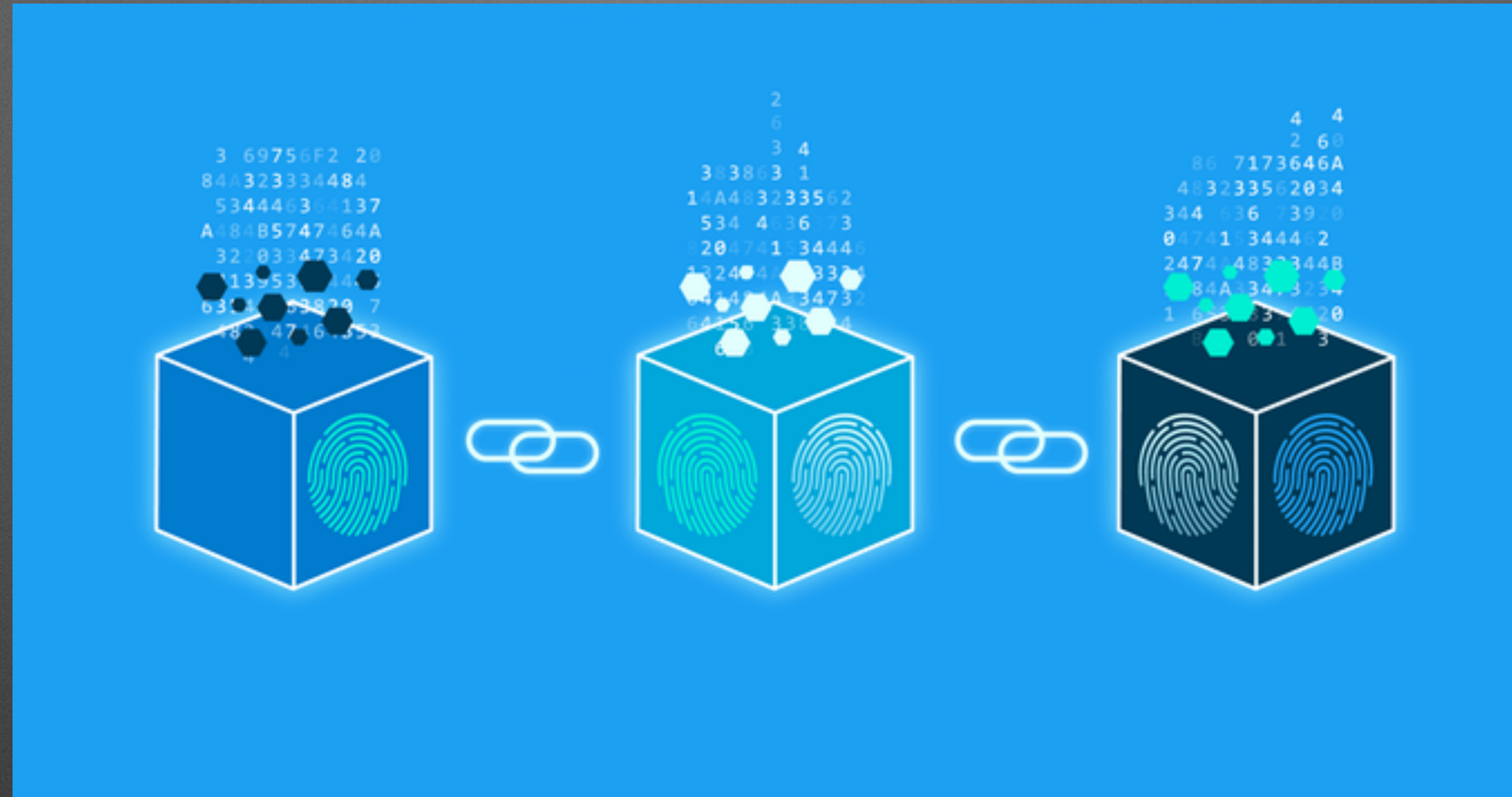
Mining 挖矿, a.k.a PoW (Proof of Work)

Decentralized 去中心化 / Distributed 分布式

Consensus 共识

Node 节点 & 51% attack (double-spending attack)

What is a blockchain

A chain of blocks that contains information.

信息块组成的链条

Linked List & Git

PoW (Proof of Work)

Mining Difficulty

- update every 2 weeks

- based on the hashing power of the computers in the network

Hash Rate / Hashing Power

How many hashes can a computer produce per second

Miner v.s. Node

- a miner is always also a full node

- a node, however, is not necessarily a miner

Outro: More To Explore

- Ethereum & Smart Contract

- Hyperledger

- CoinMarketCap.com

- block explorer & etherscan.io & ether converter

- metamask.io (wallet tool)

- ZeroNet

Resources:

1. How does a blockchain work - Simply Explained (video)

2. Blockchain Explained (video)

3. If Bitcoin Is Anonymous, How Do You Catch Criminals? (video)

4. Blockchain: What are nodes and masternodes? (article)

5. Blockchain explained: how a 51% attack works (double spend attack) (article)

6. What Is a 51% Attack? Explained for beginners (video)

7. blockchain 101 (video)

8. blockchain demo (github)