

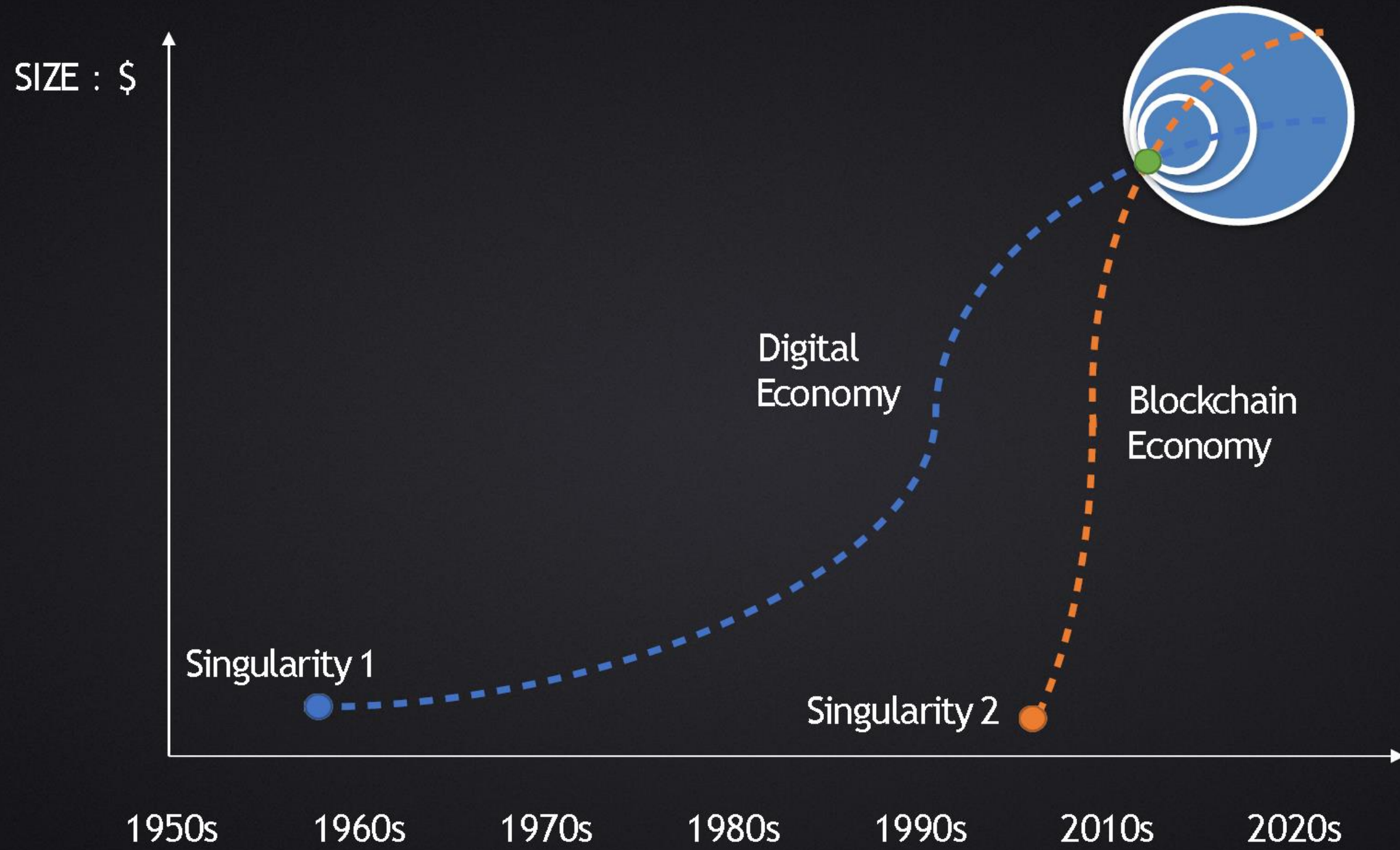


NFT+ Digital Asset+ Opportunity for HK

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- The Digital Economy Era
- Digitalization (Digital tech + use of data)
- Assets and Digital Assets
- NFT
- HK Current Situation and Future Opportunity

1961 (1969) and 2008





《数字中国建设发展报告（2018年）》

- 2018年中国数字经济规模已达到31.3万亿元人民币，占GDP比重34.8%，总量居世界第二
- 到2030年数字经济占GDP比重将超过50%
- 是如何定义和测量的？

Digitalization 信息化 vs 数字化

- 信息化

- 提升局部效率
- 以管控为目的

- 数字化

- 基於数字技术，对产业及组织的全面重构

数字化的核心要素

<u>获取(Capture)</u>	针对某一个自然或社会现象来获取有 <u>关于它的信息</u>
<u>表达(Represent)</u>	用某一种表达方式来表达所获得的信息
<u>存储(Store)</u>	把表达好的信息存储在某一种物理媒体上
<u>传输(Transmit)</u>	用某一种传送机制(transport)来传输信息
<u>处理(Process)</u>	将信息通过计算(computing)来进行针对性的处理
<u>交付(Deliver)</u>	将处理好的信息交付给端点(end-point)来达到目的

常见的数字化例子

- 企业流程管理和自动化系统
- 内容和信息分发系统
- 城市交通系统 (如滴滴)
- 医疗辅助诊断系统
- 气象预报系统
- 自动驾驶系统

解决数字世界的两大问题

1. 数据记录的可信

- 超级账本 = 链式存储+ 分布式+ 权限机制+ 加密算法

2. 交易过程的可信

- 智能合约 = 合同+ 法院

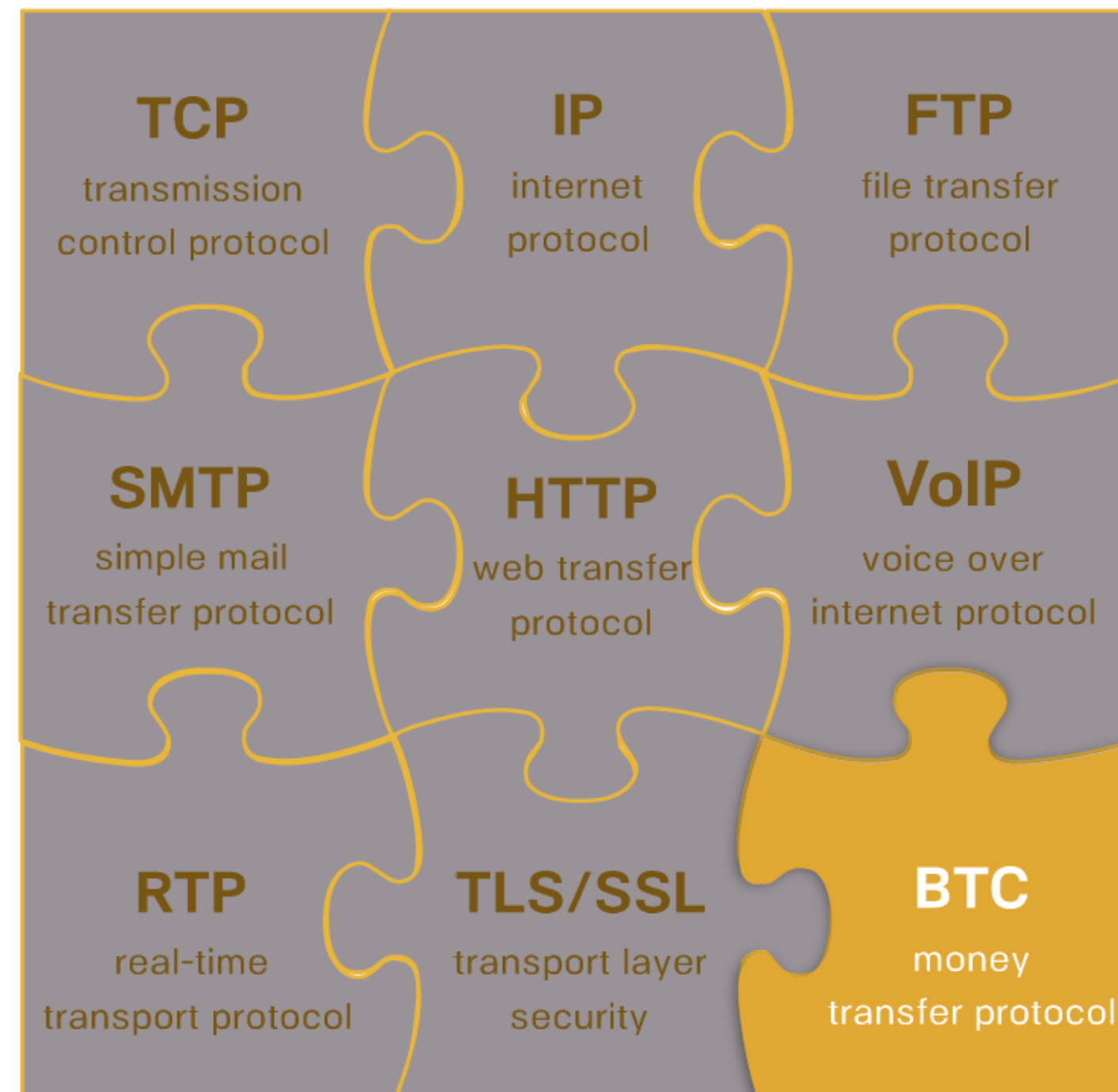


Assets, Digital Assets, Token

The Final Piece of the Protocol Puzzle

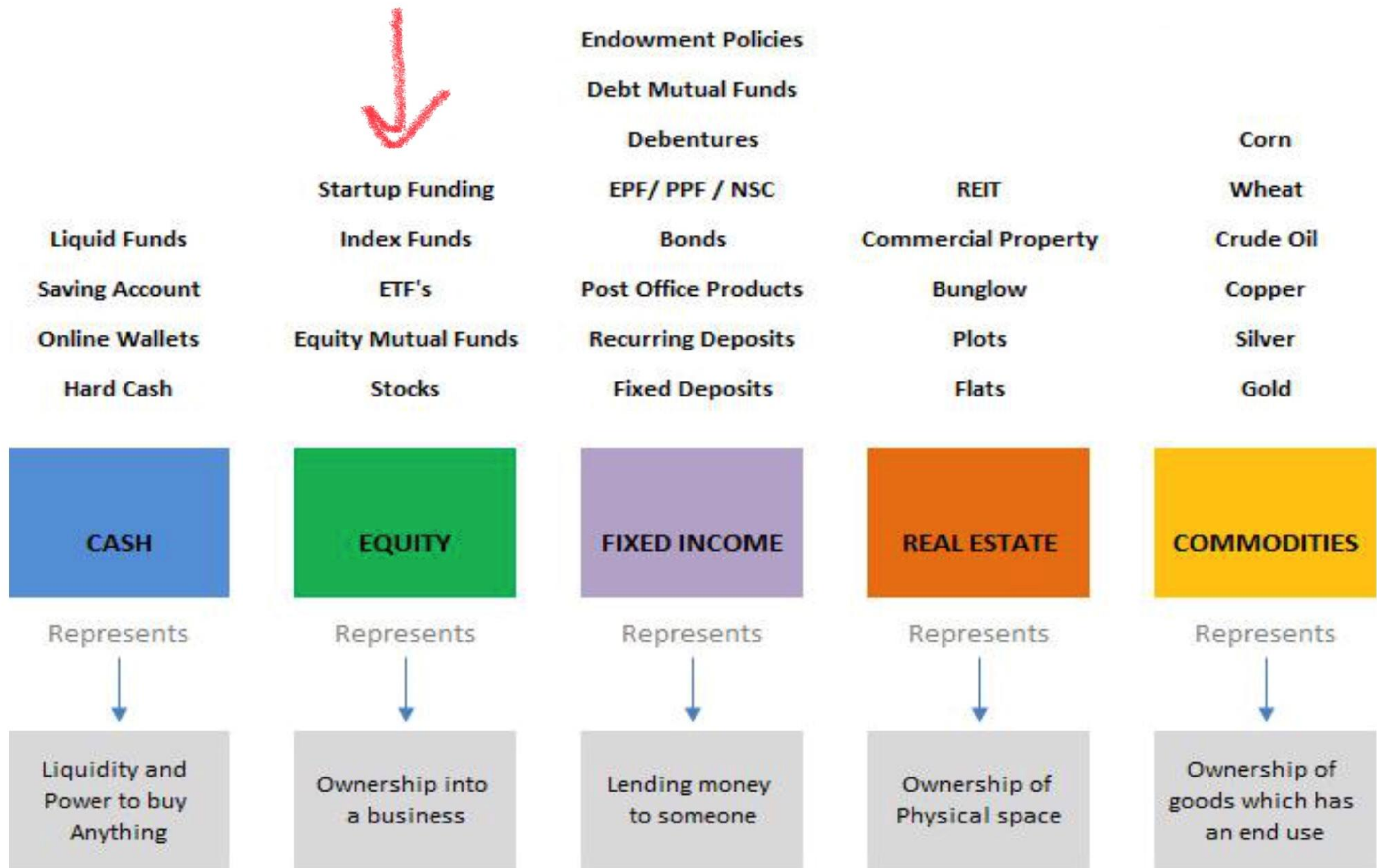
"The one thing that's missing, but that will soon be developed, is a reliable e-cash, a method whereby on the Internet you can transfer funds from A to B, without A knowing B or B knowing A."

- Milton Friedman, 1999



First time you can actually own chunks of the protocol. There are 21 million shares of the bitcoin protocol.

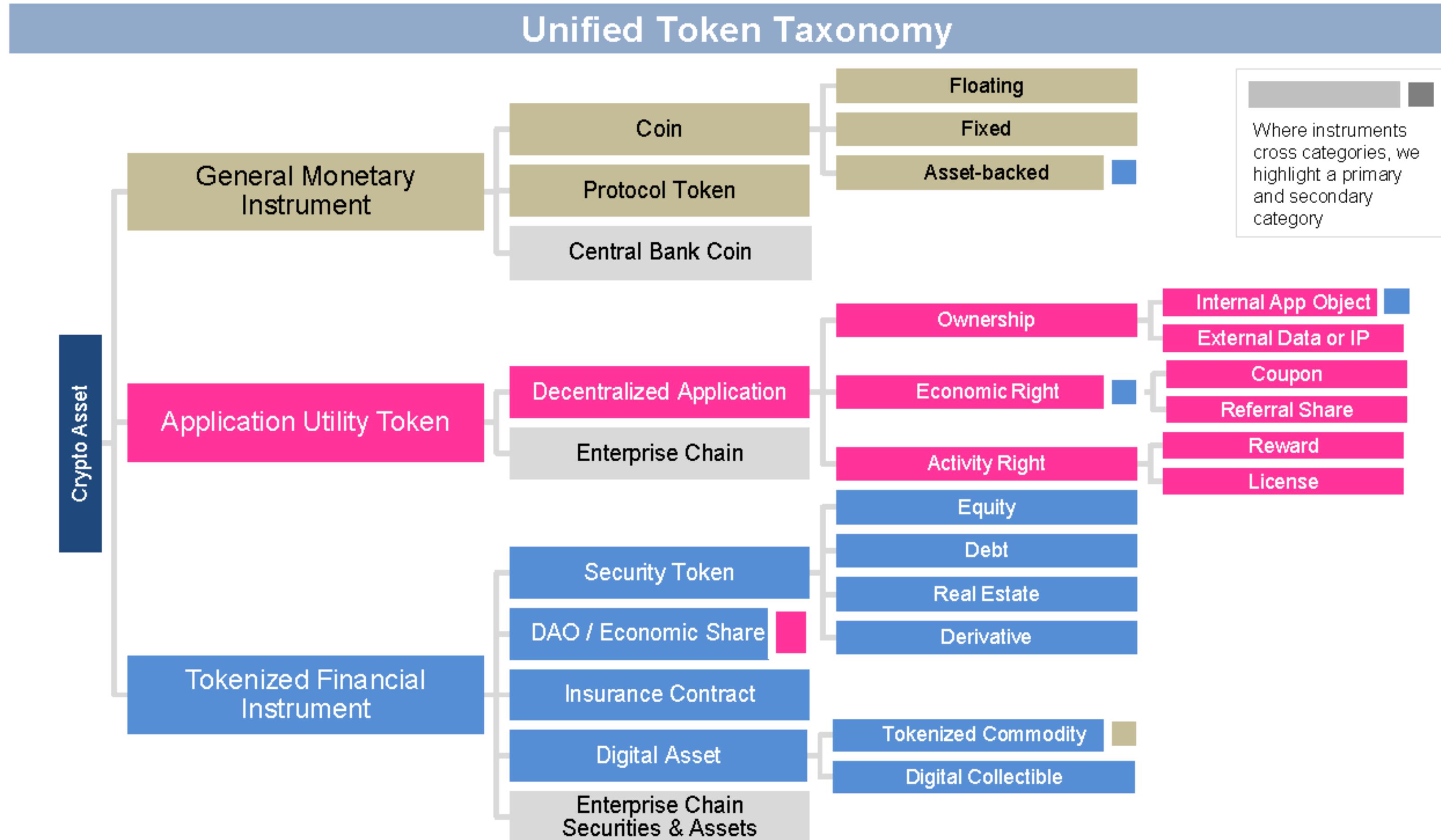
5 Types of Assets 现实世界一般有以下5类资产



What is Token exactly

- Security Token: tokenized security (equity/debt-like) and provides **passive income** to holders
- Asset Backed Token: Cryptographic embodiment of an asset that provides **ownership rights** to that asset
- Application Token: Provide **functional usability** on the DLT
- Utility Token: Prepaid **Services** provided by its issuers to holders

Crypto Asset

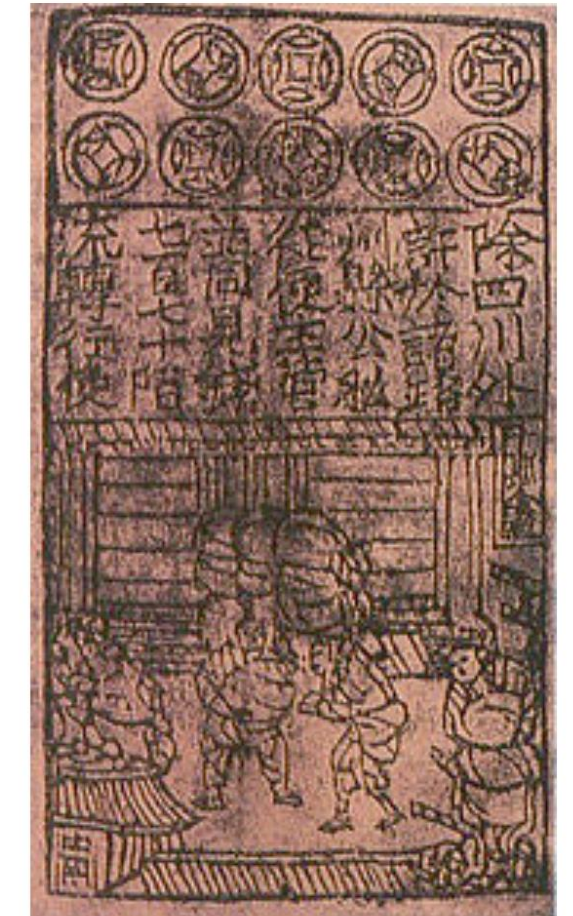


What is Currency/Money/Cash and Coins



交子

交子

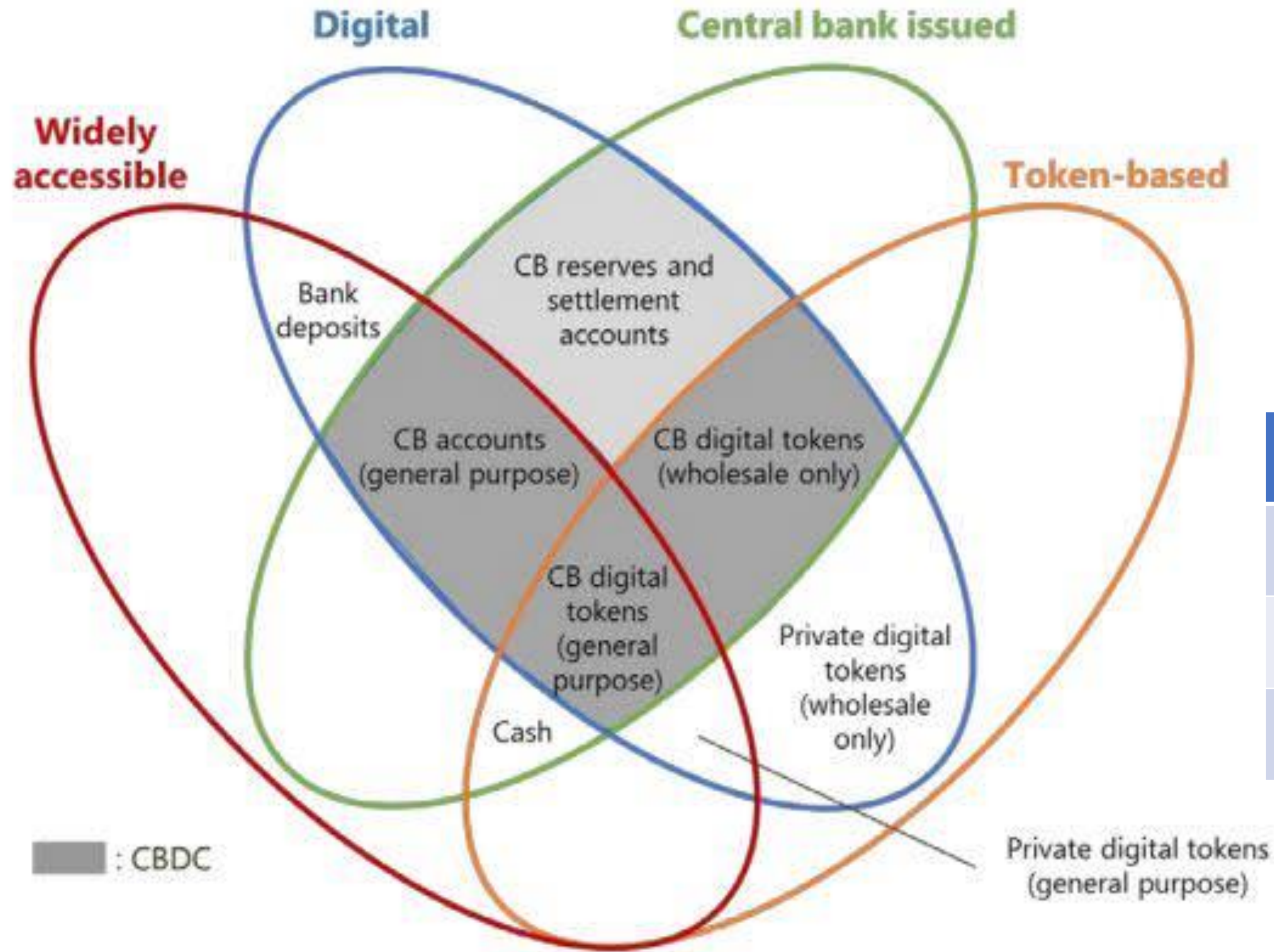


交子

交子，是中國北宋時四川流行的票據和紙幣，是世上最早「正式」發行的紙幣。^[1]交子是古代四川俚語，有票券、憑証的意思，其中「交」解作雙面重疊印刷。

交子又有「官交子」和「私交子」之分，私交子是民間流行的票據，官交子是朝廷成立交子務後的官方紙幣。

Money Flower: Central Bank Digital Currency or Digital Fiat Currency



Widely	restricted
Digital	physical
Central Bank	others
Token-based	Account based

Virtual Goods is Big Market

\$60B+
2019

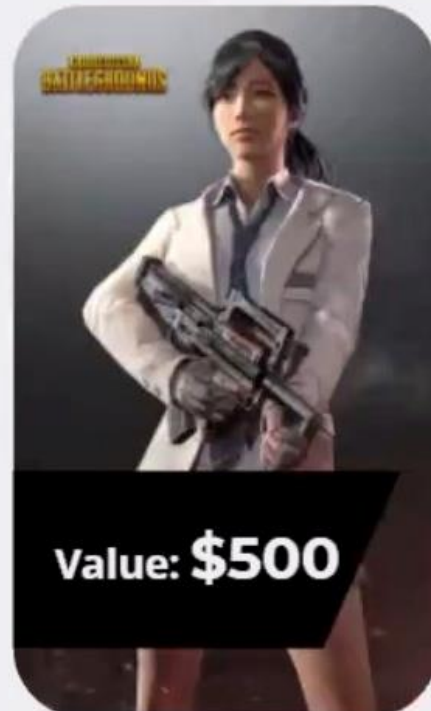
The global virtual goods market size was valued over USD 60 billion in 2019. The rising popularity of free-to-play games have encouraged the purchase of virtual goods, thereby, resulting in a rapid forward momentum of the market.



\$100B
2020

The sector now has 2.5 billion users, and a \$100 billion market of gaming platforms and virtual worlds.

(source: L'Atelier, 2020)



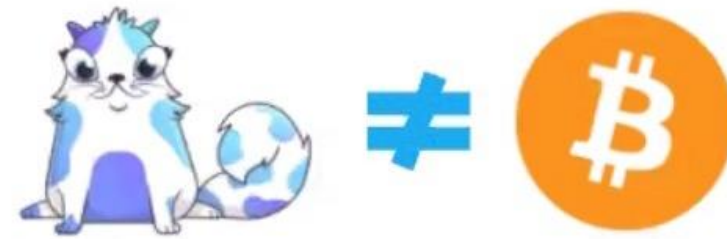


NFT

What is NFT

Emerging segment in global game market: virtual tokens for digital scarcity, security and authenticity

Fungible	Non-fungible
E.g., One US Dollar	E.g., Limited-edition postal stamp
Interchangeable	Not interchangeable
Uniform (all are the same)	Distinct or unique
Divisible	Indivisible



NFTs are not cryptocurrencies!

The cats you see on this page are from *CryptoKitties*, an app by Dapper Labs that is built on blockchain, similarly to Bitcoin and Ethereum - but *CryptoKitties* uses NFTs and is not a cryptocurrency.

NFTs allow *CryptoKitties* to be traded as unique items. Ownership is tracked securely thanks to blockchain.

Token Interfaces

ERC-20: *fungible tokens*. For ownership of assets like currencies. Such tokens are uniform and interchangeable.

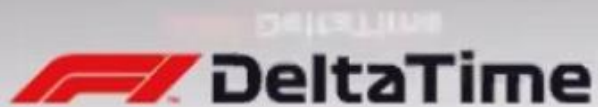
ERC-721: *non-fungible tokens*. For ownership of things. Such tokens are completely unique and not interchangeable.



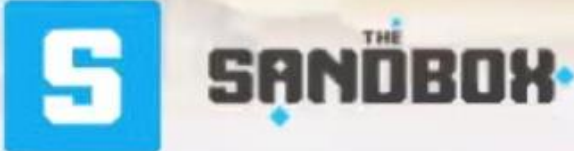
◆ **ERC 721** ◆



Sports, Games, Collectibles and Virtual Land



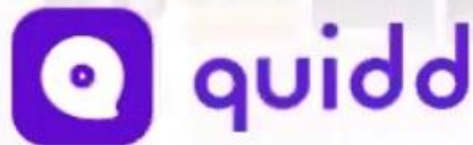
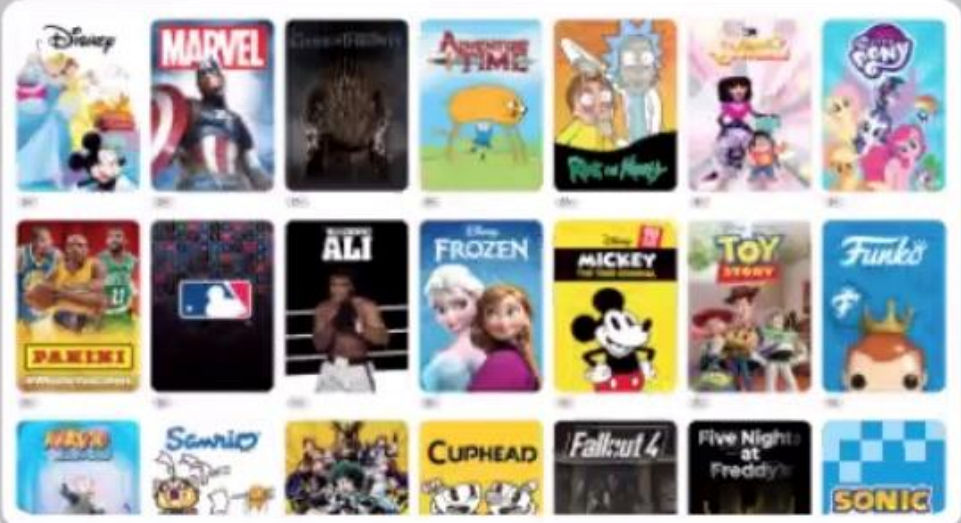
NFT, ASSET, SPORTS



NFT, ASSET, LAND



NFT, PLAY TO EARN



DIGITAL COLLECTIBLES, NFT



ESPORTS, ACTION, NFT

SuperRare: platform for Artists

SuperRare

Editorial Discover Market Activity Sign In

In Bloom

1:58



Edition 1 of 1

Nature and human figures are my favorite mix. In this case I found a connection between the blossoming of ... [Show more](#)

#3d #3dart #abstract
#blossom #c4d #cinema4d
#colors #design #nature
#psychedelic #render
#surreal #surrealism

SIGN UP TO COLLECT



@waarp
Artist



@franditionnft...
Owner



18
Favorites



145
Views



Digital Property Rights

TRUE DIGITAL OWNERSHIP

Blockchain allows gamers to be the true and perpetual owners of their digital items, even if the game is shut down or abandoned. With blockchain, every **game item can become a permanent asset**, allowing gamers to decide how they want to trade, sell, or gift their items - thereby introducing real **property rights for game items** and **real economic value**.

SECURE and IMMUTABLE

Blockchain allows digital game items to be easily tokenized and traded in primary and secondary markets that are managed and facilitated by blockchain technology. Items based on scarcity and demand usually invite fraud and theft, but these risks are minimised on blockchain because it is a **highly secure** distributed ledger with **decentralized trust** not owned by any single organization.



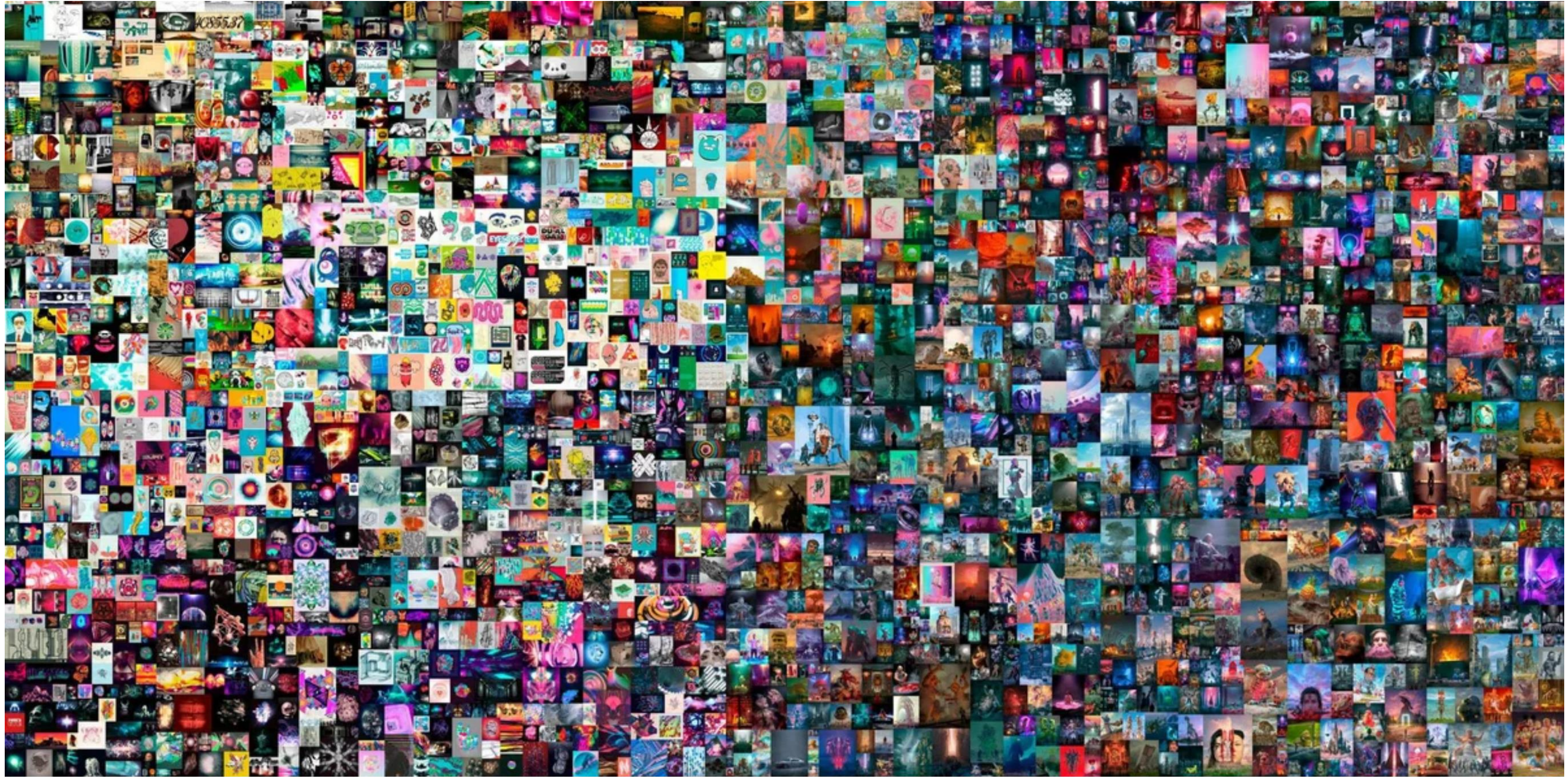
TRADING and VALUE

Blockchain-based gaming platforms can provide users with ultimate control over their digital assets. They can buy and sell items freely without concern that they will be ripped off or that a platform will close down, or unilaterally change the value of their in-game items.

CROSS-APPLICATION INTEROPERABILITY

Blockchain allows games to utilize shared assets. Items, characters, and other game elements can be used in other games that permit their use. Game items no longer have to be confined to one narrow digital ecosystem, but can expand beyond their original use, thereby increasing in utility and potential value much like free trade has done to the global analog economy.

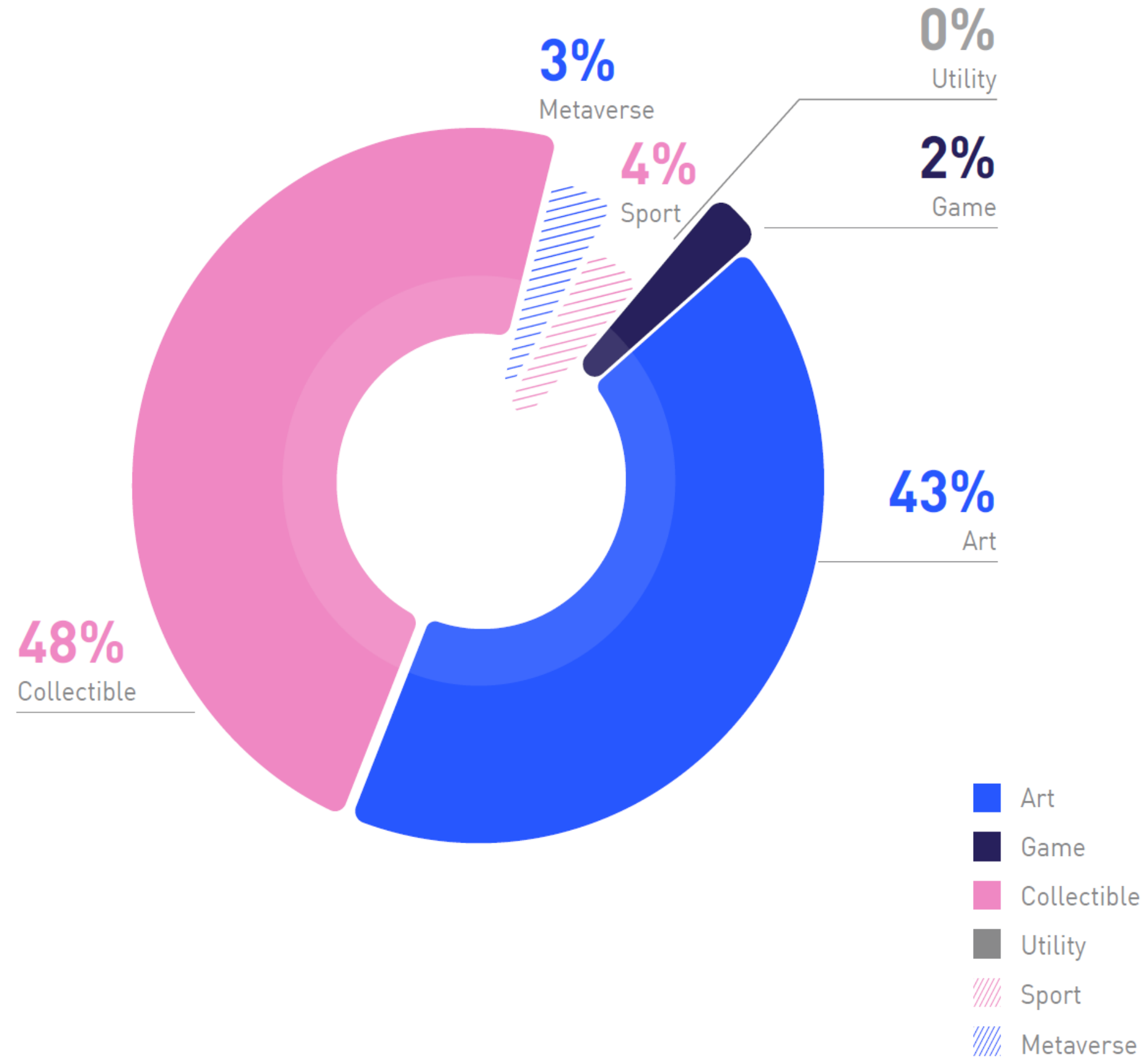
69M ?



ART

Beeple NFT Artwork Sells For \$69 Million

Trading of NFT Assets



*Source: NonFungible.com

24x24 pixels for \$20K to \$1M?



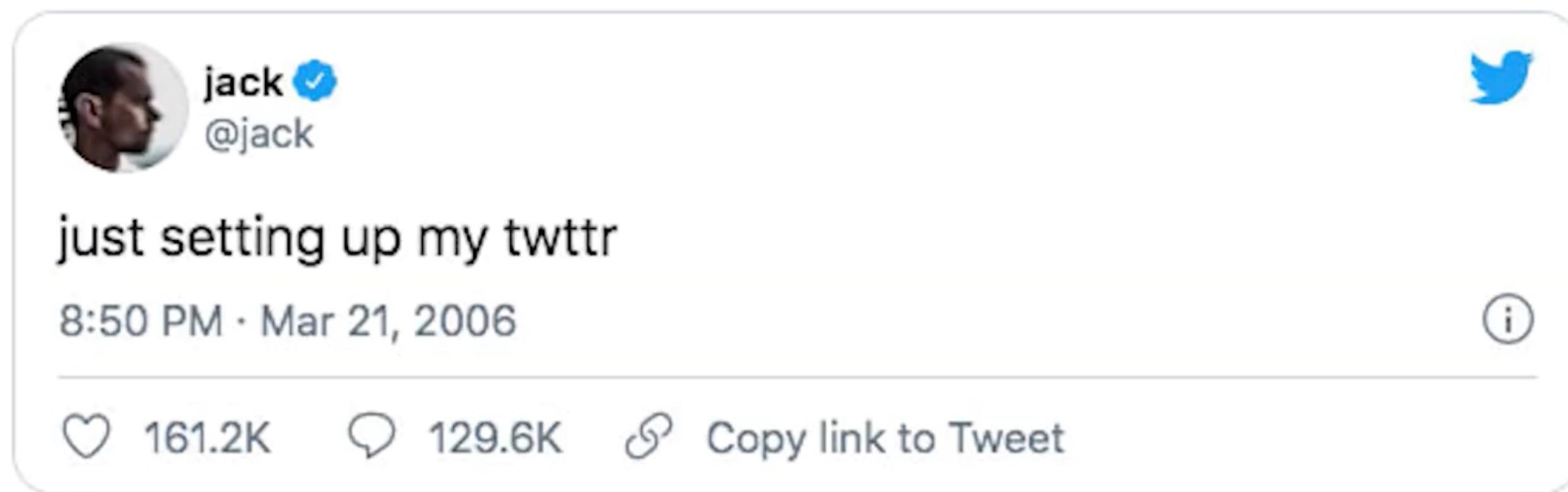
CryptoPunks

加密朋克

Sold for more than \$133M



First Tweet worth 2.9M?



Owned [by @sinaEstavi](#)

他在Twitter的第一則推文



HK Situation

Opportunity for HK

Digital Economy enabled by Blockchain and AI

- Digital Banking 数字銀行 (数字法币 DCEP)
- Digital Finance 数字金融 (e.g. 供应链金融)
- Digital Securities 数字证券 (数字资本市场)
- Digital Art and Entertainment

THE XXXX IS AN **NFT**
NFTS FOR MUSICIANS

\$193000 美元

就在一分鐘內以193,000 美元成交

Marti Wong 小朋友齐打交



\$950000 港幣

We use . [Learn more](#) x

賺了95萬港元



#02 Woody - LF1



10 ETH US\$15,740.60 1 of 30

There is no description provided for this collectible

信息 持有者 历史 详情 ³ Bids

持有者
1247

创建者
Marti Wong (LF2 creator)

10% of sales will go to creator

收藏夹 (ERC1155)
Little Fighter

Buy now

Bid

Service fee 2.5%. 10.25 ETH US\$16,134.11

- Animoca Brands (Yat Siu)
- Many NFT investments and Partnership since 2018, including
 - Sandbox
 - Formula 1
 - Dapper/Flow
 - Axie Infinity
 - Quidd

Regulation of Digital Assets

图表 54: 各主要国家或地区对加密资产监督走向

	财产	证券		货币 (支付手段)	法币
		发行 (ICO)	交易		
中国					
中国香港					
美国					
英国					
日本					
韩国					
新加坡					

积极
 中性
 消极

资料来源: 星瀚金融, 中金公司研究部; 注: 本表格讨论的加密资产不包括央行数字货币

Thank You

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