Digital Twin Agreement

Everything is mapped to Defi and the anchor of the digital world
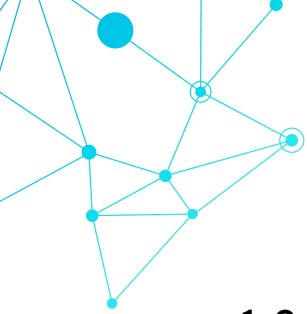
CONTENTS
Contents •————————————————
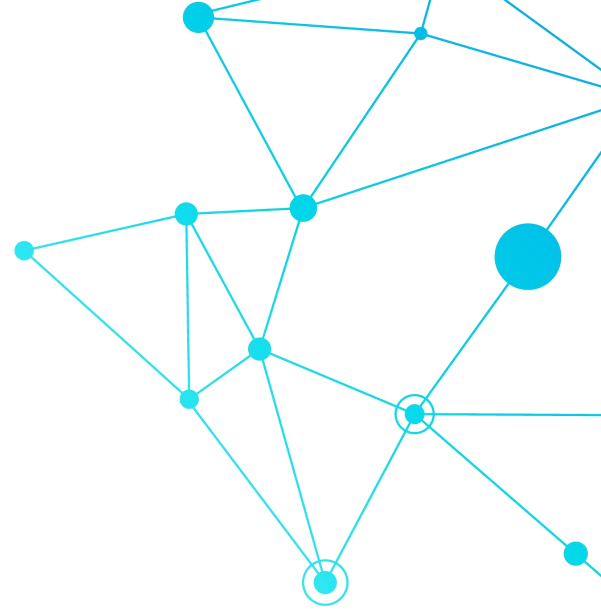
1. Oracle

In the early days of human civilization, human beings in different countries, races, and cultural atmospheres all had a common social phenomenon. There will be a role similar to the "Oracle Prophet" to connect mankind and the medium of heaven. The main function of this medium is to convey the message of heaven and the universe to guide human practice.

And this medium has different titles in different nationalities.

In Greek civilization it was called a "priest" (a person who conveyed oracle to humans)

Christian civilization calls it a "prophet (a messenger between God and the world)

Buddhism civilization calls it "Buddha" (an enlightened person who uses heaven and earth to save all sentient beings)

Huaxia Civilization calls it "The Son of Heaven" (the one who undertakes the will of God to govern the people)

When human civilization evolves into the digital age, the physical world begins to fully migrate to the digital world. Everything in the physical world will be mapped into a digital twin in the digital world. The digital twin can be interpreted in the bit world at almost zero cost. , Derive and calculate the best course of action in the physical world.

The actions of various machines, objects and organizations in the physical world will directly obtain the oracle of wisdom from the digital twin, and use this to guide the practice of the physical world.
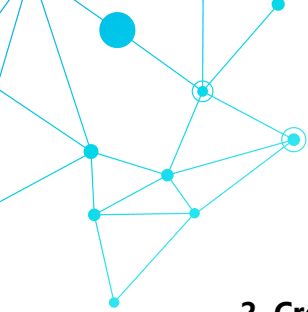
2. Creation

The general trend of mankind's physical civilization to digital civilization is unstoppable.

Everything in the physical world will be digitized, and a new digital civilization and digital business will be established based on digitization. Among them, digital finance is the easiest to be perceived and accepted by the world.

After everything is digitized, digital assets will complete all financial activities in the borderless financial system, including savings, lending, transactions, insurance, wealth management, and transactions. This borderless financial system is called Defi (decentralized finance).).

We call the medium that links the physical world and the digital world the Digital Twin Agreement. All physical worlds must pass through the digital twin agreement to reach the digital world, so as to achieve the same ratio and equivalence of physical assets in the digital world. , Equivalent mapping.

Everything is a number, and a number is everything.

Without a digital twin agreement, Defi will always be confined to the shackles of digital currency. Such Defi will never have access to assets in the real physical world. Such Defi will always be a rootless system, not a real Defi. With the digital twin agreement, Defi can provide digital twins of all things with financial services in the digital world. Defi immediately has a soul and a body. This is the meaning of digital twins to Defi.

However, Deif is only a subset of the digital twin agreement in the financial sector of the digital world. The mission of the digital twin agreement is to become the anchor of everything leading to the digital world.
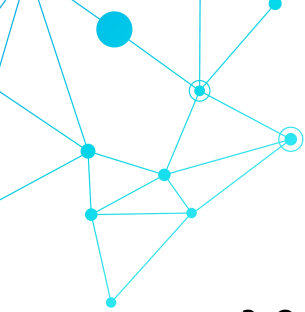
3. Origin

The idea of digital twins, proposed by Professor Michael Grieves of the University of Michigan, was originally named "Information Mirroring Model" and then upgraded to "digital twins." Digital twins are also called digital twins and digital mapping.

A digital twin refers to an information model that is completely equivalent to a physical entity in the virtual space of a computer. It can simulate and analyze the physical entity and optimize the action plan based on the digital twin.

People try to put everything that happens in the physical world back into the digital space. Only full life tracking with loop feedback is the true concept of full life cycle. In this way, it is possible to ensure the coordination of the digital and physical world within the scope of the entire life cycle.

Various simulations, analyses, data accumulation, mining, and even the application of artificial intelligence based on digital models can ensure its applicability with real physical systems. This is what Digital twin means to smart manufacturing. Therefore, the idea of   digital twins has been applied in the field of industrial 4.0 intelligent manufacturing in Germany.

Different from the noisy oracles in the Defi world, the digital twin protocol is not only to convey the information of the physical world to the digital world, but the digital twin is the physical information itself. Therefore, the digital twin protocol is also called a super oracle.
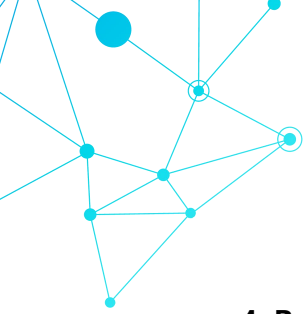
4. Beyond

The traditional oracle is generally regarded as a Turing machine connected to an oracle. The concept of a prophet is an entity that can answer a specific set of questions, and a specific subset of natural numbers A is often used to express this question.

The function of the oracle is to write external information into the blockchain to complete the data exchange between the blockchain and the real world. It allows a definite smart contract to react to the uncertain external world. It is the only way for a smart contract to interact with the outside world, and it is also an interface for data interaction between the blockchain and the real world.

An oracle machine can only perform operations that are very special to a general Turing machine, and can answer the specific form of question "Is x in A?" by asking the oracle. Therefore, the oracle designed for Defi is limited to a narrow range.

The digital twin protocol is a super protocol that combines a variety of digital technologies. Its scope of action has far surpassed the pure digital world. It has become the inevitable layer of all things leading to the digital world, and also the anchor of the digital world to express the physical world. .
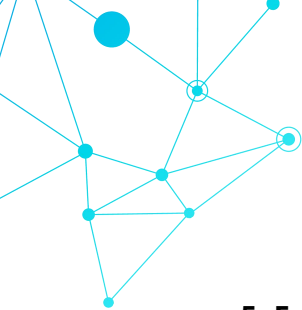
5. Fusion

The twin protocol, also known as the Imdab super protocol, is a super protocol that organically combines digital technologies such as IoT, MPC, Data, AI, and Blockchain. It can realize the mirror image of the digital world and the physical world, and give birth to a digital twin representing physical assets.

The cooperative principles of various digital technologies in the twin agreement are as follows:

The IoT protocol layer enables the digitization of everything and connects everything to the digital world; the MPC multi-party privacy computing protocol layer protects data privacy, encrypts and protects the data and keeps the data to the data owner; the Data big data protocol layer models massive data , Let the data derived from all things become valuable data; the AI protocol layer makes the data intelligent, executes more intelligent instructions, and allows the physical world and data to derive digital twins; Blockchain technology performs trusted intelligent data Confirm the rights as assets and allow data assets to generate value circulation.

The twin protocol is an intermediate protocol for digitizing everything and being completely equivalent to cyberspace. It is a layer that must be converted from the physical world to the digital world.

The ambition of the twin agreement is not only to stay in the decentralized financial Defi world, but to be an anchor for the digital world to map the physical world. The twin agreement will use everything as a bargaining chip to leverage the value of the entire digital world.
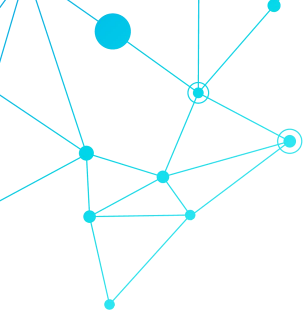
Super Dex

| DEX |

Twin Agreement

| Digital Twin Agreement |

| Dapp |

| IOT | Data | MPC | AI |

Cyberspace

| Blockchain |
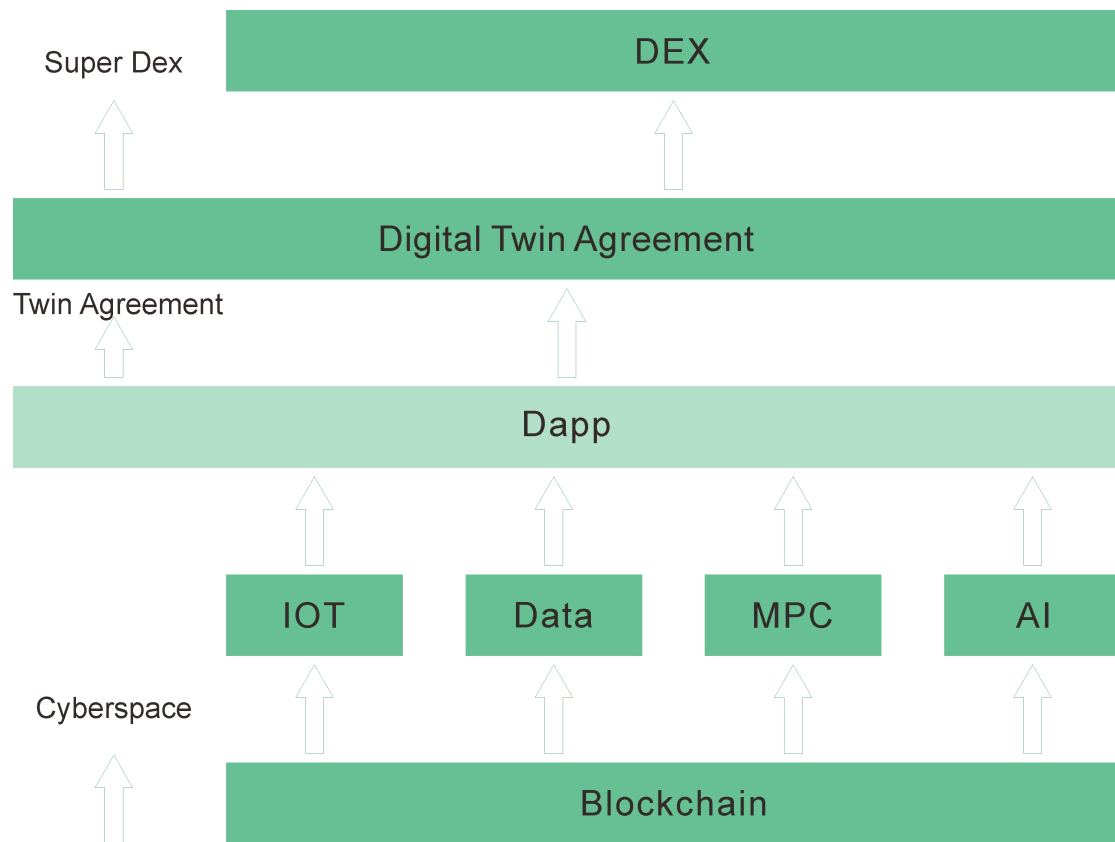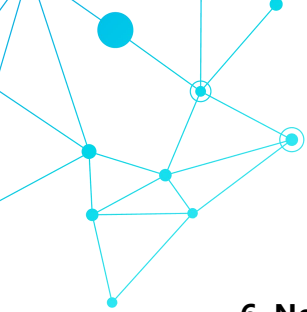
6. Newborn

The twin agreement allows everything to be digitized and circulated.

The sexiest part of Defi is to decentralize finance. Anyone can build their own financial account based on Defi and enjoy unimpeded financial services without being restricted to the shackles of centralized financial institutions.

However, the biggest problem for Defi now is: how the digital world can accurately anchor the value of the real world.

In the world of Defi, the law of everything is tentatively set, but everything is just a mirror without root.

How to make the digital world correspond to the real world one by one, so that digital and everything are twins.

When an asset is traded in the digital world, real-world rights and interests are also delivered, so that Defi will usher in the biggest Cambrian life explosion.

At this time, everything can be financialized. Our time, objects, production materials, and even digital copyright can participate in lending, trading, and circulation. Digital asset delivery means actual asset delivery. The digital twin world and the bit world lead the atomic world to become more transparent. , A more inclusive, simpler financial highly developed digital world.

This is the mission of the Twin Agreement.

The twin agreement makes up for the last shortcoming of Deif, making Defi no longer a financial idling, but allowing digital finance to serve the physical world more intelligently. Let all things and numbers fully interact and inspire more new life forms.
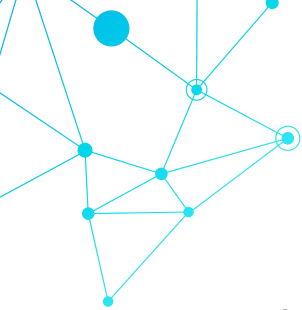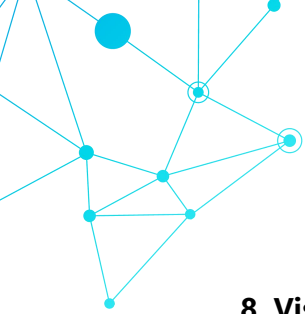
7. Organization

The Digital Twin Agreement, which originated from Professor Michael Grieves of the University of Michigan, directly inspired a generation of digital technology geeks.

The Digital Twin Agreement is currently initiated by a group of active and mysterious cypherpunk organizations, including cryptographers, financiers, mathematicians, machine intelligence experts, blockchain experts and other geeks in various fields. It is not limited to the cognition and human boundaries of a certain initiator, but forms a DAO organization to govern this great network protocol with group wisdom and code laws.

Every line of code of the digital twin protocol will pass governance review and security audit. The DAO organization has evolved a series of complex and rigorous systems such as code demonstration, code design, code output, code audit, and code deployment.

The governance of the digital twin protocol is also DAO-based, and a community-based governance mechanism is formed based on a strong community consensus. Any behavior that is valuable to the twin protocol can play a role through community governance.

8. Vision

In addition to the Digital Twin Agreement, which is the inevitable agreement layer for all things to lead to the digital world, the DAO organization also preset a public chain-like infrastructure that suits the agreement and future development needs-CyberSpace.

Cybernet is born for all things to issue digital assets and run contracts, support the digitization of all things and realize asset issuance at the same time. Trillions of different types of all things digital assets run in a super trading market dominated by a DEX-like AMM mechanism.

Because the DAO organization believes that in the future, all tangible and intangible things can be digitized and capitalized, and digital asset transactions between cross-border, time-space and even cross-species (humans and machines, machines and machines) can be completed in a huge DEX network. All this will create a super trading market covering global assets on top of the cyber network and the twin agreement. This is the greatest vision of the twin agreement DAO organization.

The operation of Defi and the chaining of all things need to consume DTA to use the twin protocol. All things need to consume DTA to issue digital assets based on the cyber network. The DEX of all things digital asset transactions also consumes DTA as trading fuel.

DTA represents the total ecological value of the three-tier architecture of Cybernet, Twin Protocol, and Super DEX.

In the future, everything will be issued through the cyber network. The twin protocol will complete the mapping of the digital world. Finally, hundreds of millions of transactions will be completed every day on the Super DEX. Here will be the first human body to exceed a trillion level. This will be the greatest and most prosperous scene of distributed commerce in the digital age. DTA, the only value representative of this ecology, will also become a super digital asset that the world has attracted attention.
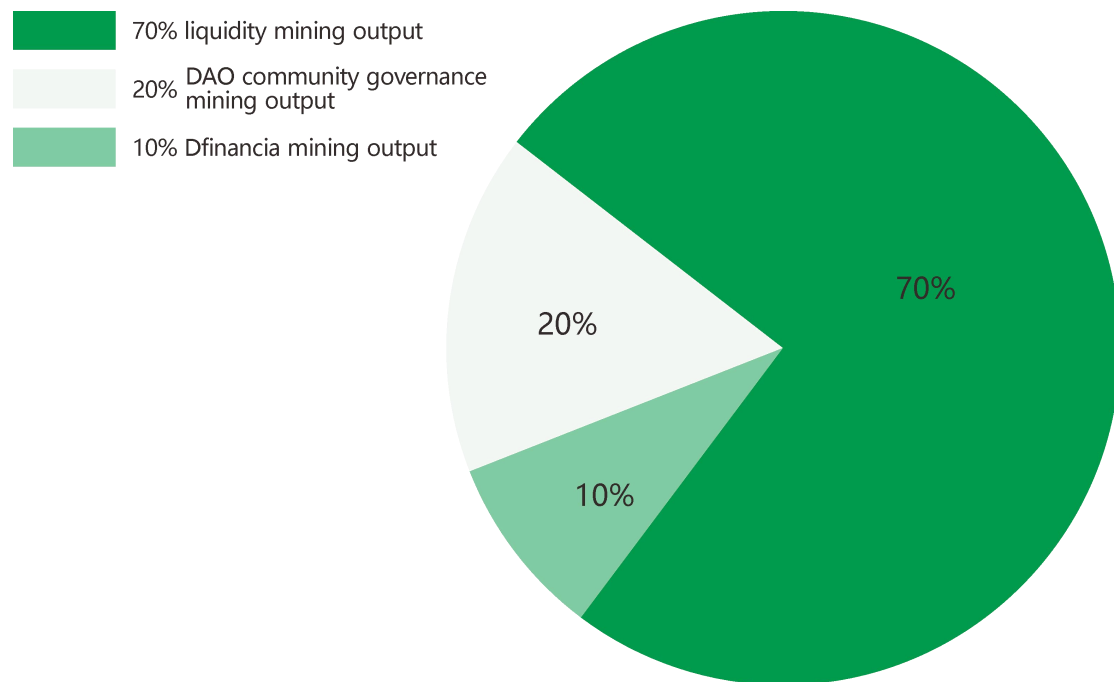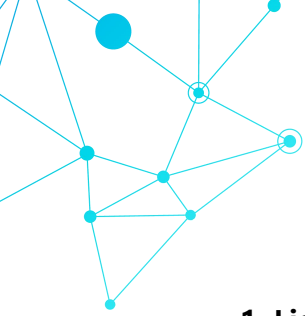
9. Governance

The governance of the Digital Twin Agreement is completely DAO, and there is no risk of centralized control. Therefore, the original asset allocation of the Digital Twin Agreement is also full of DAO governance ideas. The native digital asset of the digital twin protocol is called DTA.

A total of 21 million DTA

- 70% liquidity mining output
- 20% DAO community governance mining output
- 10% Dfinancia mining output

70%

20%

10%

The team has no reservations and no pre-mining. 100% DTA is produced through three mining methods.

1. Liquidity mining:

70% of the total amount of DTA is produced through liquidity mining, and all community members can complete mining on DEX such as Uniswap.

2. DAO community governance mining:

20% of the total amount of DTA is used for DAO organizational governance. The DAO running the Twin Protocol is a distributed collaborative organization and is not controlled by any centralized node. The community governance node governs the entire network according to the contract agreement. Any governance proposal that is valuable to the community can be submitted to the DAO organization. If the node governance passes the proposal, the smart contract will automatically transfer the corresponding DTA to the proposer's account for proposal implementation incentives .

3. Dfinancia mining:

10% of the total amount of DTA is used for mining Dfinancia, which is a decentralized wealth management mining model. Users can choose to put the DTA produced by Uniswap into the Dfinancia mining pool to get rewards. The Dfinancia mining pool releases a certain amount of DTA every day, and the contract automatically allocates DTA based on the user's computing power. Users invite other users to participate in Dfinancia mining, which can increase computing power. Dfinancia is a mining pool that is completely autonomous and free to participate in. Users can decide whether to continue participating at any time with their private keys.
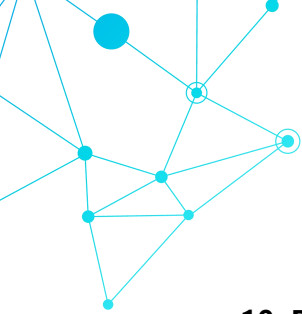
10. References

Blockchain related reference papers:

Satoshi Nakamoto :

《Bitcoin: A Peer-to-Peer Electronic Cash System》

W.Scott Stornetta :

《How to Time-Stamp a Digital Document Stuart Haber》

Reference papers related to digital twin technology:
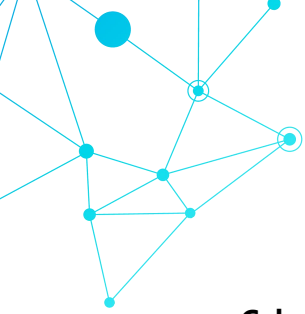
Password punk :

《reengineering aircraft structural life prediction using a digital twin》

Password punk :

《improvement of the qualtity of designed cylindrical grinding cycle with traverse

feeding based on use of digital twin options》

Benjamin Schleicha :

《Shaping the digital twin for design and production engineering》

Cyberspace related reference papers:

Donna Haraway :

《The declaration of cyber》 "Cyber Manifesto"

Reference papers related to the oracle:

Nick Szabo :

《Identify and secure relationships on public networks》

DAO Reference papers related to governance:

Trent McConaghy :

《AI DAO》

EonDAO :

《 A Self-Organizing Governance Experiment Based on the Decentralized

Organization of Blockchain Governance Philosophy》