CRYPTO
UNIVERSE

Pathfinder of Metaverse

The NFT DID Metaverse in DeFi with Gacha and
Unique card collection.

Introduction

Crypto Universe is the NFT DID Metaverse in DeFi with Gacha and Unique card collection.Players acquire exclusive identity characters through Open-booster in Crypto Universe.Through DAO governance and the construction of metaverse identity system,it provides more possibilities for frontier crypto products (DeFI,Gacha,Unique card collection,etc.). It also helps the innovation in traditional assets as social, gaming, and art works, allowing more users to flood into the crypto universe,have the governance and identity rights and gain value from it.

KEY WORDS: DeFi/ DID/ NFT/ Metaverse/ Encryption Collection/ DAO/ Game/ Crypto Universe

Content

1.Protocol Layer (idprotocol.network)

1.1 Introduction of Identity Protocol

With the development of blockchain network, the territory of economic activities in the chain is expanding day by day. At the same time, the problem of missing identity in the chain gradually appears. There are data islands between different blockchains, which can not be used for cross-chain identity sharing, and the data on and off the chain can not be opened up, resulting in identity separation and loss, which leads to the separation between the blockchain and the real world.When we transition from a closed platform with application-specific identity and isolated information to an open ecosystem with user-owned identity and portable data, we need a set of identity systems that can open up chain and chain, and open up real world economy and chain economy.

Identity Protocol (IDProtocol. network) is an open source decentralized protocol, which replaces application-specific user tables with a single user-centered index shared by all applications. This index provides a unified location where all applications can register and discover data sources associated with users.This index allows your application to store data in any storage backend, while still providing users with the aggregation, metadata, schema and routing needed to make this data available to any other application.

1.2 Overview

Data association

By associating the social ID of Web2 with the transaction address and transaction information on the chain, and matching and binding the transaction history and contract interaction behind the address, a set of identity systems on and off the chain is established. By dynamically integrating in NFT, a set of NFT identity credentials is constructed. Identity based on NFT can help solve the problem of identity loss in governance.NFT, which represents your identity, is used in DAO, which can adjust the voting weight based on your identity, and bring prestige system to DAO. Meanwhile, it can build a basic credit system based on social information and transaction data in the chain through interactive analysis and data mining with offline society.

Secret protection

By connecting the verified social data (Web2 ID) with the blockchain (Web3). Create blockchain proof with encrypted proof and zero-knowledge proof: encrypted proof connects verified identifiers (such as email, phone number or social data such as Google, Apple and Twitter ID) with wallet. It allows you to use your social identity through smart contracts and other web services,without compromising privacy.

TokenScript

TokenScript is an XML tag that can act as a hub between tokens or smart contacts and wallets, websites and third-party platforms. Each TokenScript is signed by the issuer of the token and can be updated by him. This makes TokenScript have the same security as smart contract, without the disadvantage of storing all contents in smart contract.

TokenScript has some major advantages, including security, interoperability, privacy, scalability, usability and user interface, so TokenScript markup language is chosen.

TokenScript Proof

A certificate is an encrypted and signed message used to prove some information about an object-people, tokens or other certificates. If proof is the decisive factor of the object, it cannot be transferred in the blockchain without the object and proof.

Proof of identity: When proof touches on identity, privacy is the main concern here. In order to eliminate linkability (by publicly using this certificate to determine the subject of the certificate), the certificate used in the transaction must take a different form from that in the user's wallet.
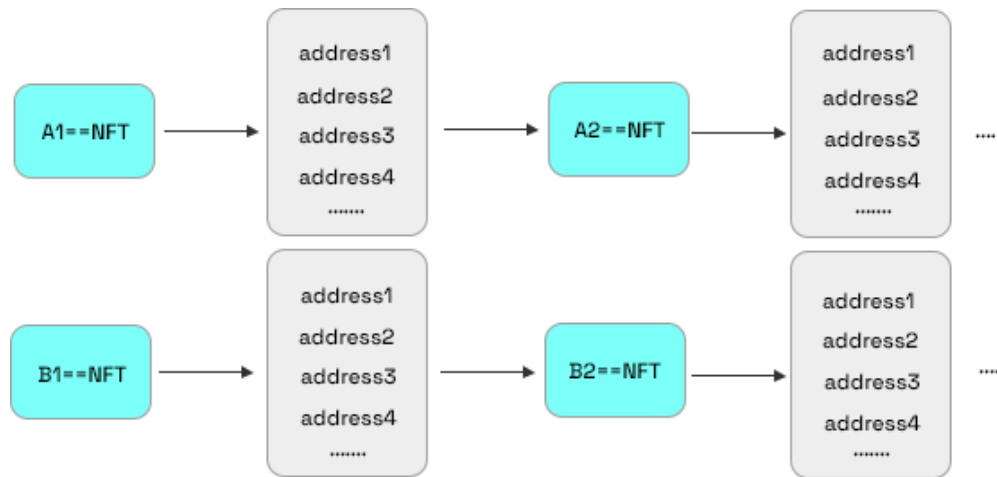
1.3 Architecture Diagram

Identity protocol includes protocol implementation layer, application scenario,behavior data prediction machine and user incentive feedback. The identity application layer of different scenarios is used to construct the basic identity system of encrypted world.

Information Contained

1. Number
2. Total activity
3. Unique identification
4. Describe
5. Associated identity protocol DID
6. Attribute
7. Pointer system
8. Fame
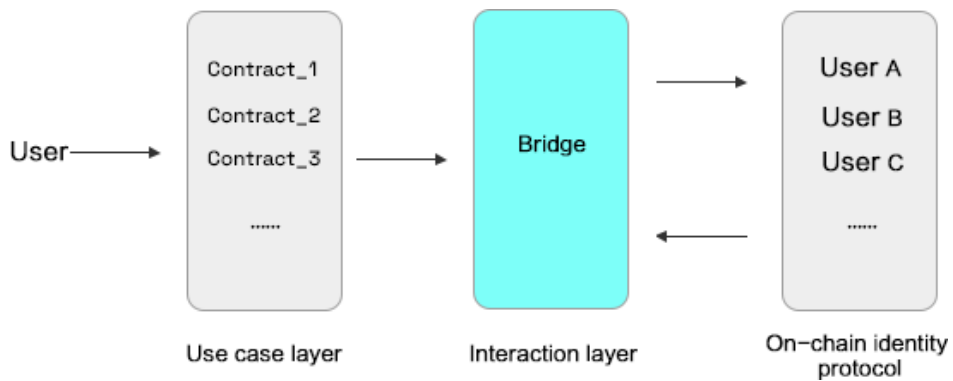
Protocol Design:

1. User identity carried by NFT
2. Users can associate multiple addresses
3. The address is associated with the interactive object
4. User activity will be presented in total activity
5. The excellent records of users will be passed down by the next generation
6. You can view the user's family history
7. If the user is reported, he will be punished accordingly
8. No KYC required

User Image

By binding users' information on the chain and information off the chain, data analysis and data mining can be carried out, and according to the transaction behavior information on the chain, an on-chain portrait can be constructed for users, which can define whether the users who bind the identity protocol are experienced encryption world players or new users who enter the encryption circle for the first time, thus establishing a set of infrastructure for accurate DeFi services.Customize the DeFi service according to the users in each chain.

Credit NFT

Due to the lack of risk control, the current blockchain financial market can only make over-mortgage, but cannot authorize credit, resulting in low utilization rate of funds. Because credit is a unique and inseparable information, it can be bound with NFT to discover value through market opportunities, and credit NFT itself can also borrow, which will be combinable with some NFTfi.By analyzing the interactive information of users in the chain, the credit data is integrated into the identity NFT. Based on the identity protocol, the identity and transaction records in the chain are integrated. At the same time, the arbitration authority in the chain is constructed, packaged into an NFT, and the credit system in the chain is constructed.

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ID Authentication

Users interact with each other through Web3 wallet and bind their identities through the address on the chain. For users, the private key of the account must be kept well, because it will be the only identity login certificate and asset certificate of the user.

Package

- Index

The index is a list of key value file stores. Definition ID maps to record Id.

```JSON
{
"kyz123...456": "ceramic://kyz789...012",
"kyz345...678": "ceramic://kyz901...234",
"kyz567...890": "ceramic://kyz123...456",
"kyz789...012": "ceramic://kyz345...678"
}
```

- Definition

Definition is to describe a filerecord. It consists of definition ID Identification.

```CSS
{
name: 'Basic Profile',
description: ' basic profile.',
schema: 'ceramic://kyz123...456'
}
```

- Record

A record is a document that contains the data specified in the definition. It is identified by recordID.

```CSS
{
 name: 'Alan Turing',
 description: 'I make computers beep good.',
 emoji: ' 💻'
}
```

1.4 Application scenario

DAO governance, game identity, credit authorization, trading market, digital identity, etc.

2.Application layer: NFT card

(the first case based on idprotocol.network)

2.1 What is CU IDcard

CU(Crypto Universe) IDcard is a set of on-chain IDcards. By integrating user information in NFT, a unified on-chain identity system of Metaverse is constructed. The first batch of ID cards is limited to 10,000, and each NFT is given different roles in advance. For fair distribution, it is randomly selected by blind box. CU IDcard bind identities through game attributes and some interesting games, thus constructing Metaverse basic identity system.Non-encrypted users can enter the encrypted world seamlessly by obtaining CU IDcard, have the first ID card in the encrypted world, and obtain the governance right and identity right in the encrypted world.

CU IDcard reshapes the game through NFT, and players can create value and gain value in Crypto Universe; Developers can develop interesting games based on CU IDcard identity to capture the value of Crypto Universe.

2.2 CU IDcard Characteristics

Metacosmic planet

Crypto Universe is an encrypted meta-universe. This universe has formulated a unified identity rule (Identity Agreement) and world rule (Governance DAO). The initial habitable planet is 200. People who come to live here must have the identity of this universe. You can live legally, and new players will open up territory and build their own kingdom and ecology here. CU IDcard is the unified identity system of this universe.

Collection characteristics are rare

CU IDcard is composed of different identities NFT, and identities include：
- ✧ Crypto Universe KING (Owner)
- ✧ Crypto Universe RULER (Ruler)
- ✧ Crypto Universe BUIDL (Builder)
- ✧ Crypto Universe WHALE (Ecological Destroyer)
- ✧ Crypto Universe PLAYER (Player)

2.3 CU IDcard Features

2.3.1 Collection Feature

Quality Scarcity

As encrypted world pass, NFT is characterized by scarcity of quality, limited initial issue quantity, and only one auction for the first issue. The rare NFT is designed by famous designers and has high collection value.

Rare Species

The identity is issued for the first time in a limited number. The fewer the number of identities, the scarcer it is. It is said that the KING card and the BULER card can also be used to mortgage the identity and establish a NFT machine gun pool, which can continuously obtain income. Each character has five layouts and borders, symbolizing different attributes and levels, and their scarcity and value are also different.

Border Properties

Property：Diamond,Gold ,Silver ,Copper and Iron
Scarcity: Diamond > Gold > Silver > Copper > Iron

2.3.2 Identity Feature

Original Player Incentive

Players who participate in blind box startup at an early stage will be motivated, according to randomly selected identities. Early motivation is negatively related to rarity, that is, the scarcer identities are, the less rewards will be given, and the rewards will be limited to the first 2000 users who participate in the selection.

Primitive Inhabitants

The first batch o f players' identities are limited to 10,000, and the activation of identities will be opened one after another. Players can activate their identities directly, but the character attributes are no longer generated, and can only be acquired through reproduction.

Original Resident Status-ancestor IP

The ancestor IP, that is, the initial limited number of 10,000 ID Card NFT, will capture the value of the identity ecology of the CryptoUniverse encryption universe. Subsequent developers will be able to create and link a game ecology based on the identity ecology, and continue to build new gameplay based on the identity. Through unified identity management,You can accomplish almost everything in the real world in different virtual spaces-go to school, entertain and socialize with others in the virtual world, buy products of your favorite brands, watch live concerts of your idols, even make money in virtual work and convert it into real money, link other game universes, etc.

Patriarchal IP characteristics

Scarce Right of Governance

The ancestor CU IDcard is composed of different identities, and in different identities NFT, it contains different airdrop governance tokens. The encrypted world is the governance world, and having governance tokens, that is, voting rights, is the core power of the encrypted world. Therefore, when you have more governance tokens, you will have a higher voice in the encrypted world, and different rare roles will get different airdrops.The rarer characters get more airdrops.

Can Reproduce

Two identity NFT can generate a new identity NFT, and finally generate a cyber universe, in which there will be multiple kings and multiple identities. Identity NFT will constantly drop tokens based on Crypto Universe DAO, and different identities will multiply, with a chance to generate new advanced NFT. This kind of play will have a social effect, and you need to find a new address (new person) to get your identity.

2.3.3 Financial Characteristics

Original Player Incentive

Players who participate in blind box startup at an early stage will be motivated according to randomly selected identities. Early motivation is negatively related to rarity, that is, the scarcer identities are, the less rewards will be given, and the rewards will be limited to the first 2000 users who participate in the selection.

Mint

Each rare character can occupy a planet and set up a self-defined NFT machine gun pool. Players and new explorers can participate in the

machine gun pool to gain profits.

2.4 Distribution method

IBO(Initial BlindBox Offering)

CU IDcard gives players a more interesting and fair distribution method. Through blind box random selection, players can get rare characters and identity background fairly, explore in Crypto Universe, get identity and get their own planet, and ensure that players can get CU IDcard in an interesting and fair way.

Play to Earn

Players can make friends in Crypto Universe everyday, and multiply their identities to acquire new rare characters and enhance the value of their identities.

2.5 Game Universe

◇ Identity game

◇ Attribute system

◇ Game forecast market

3. Economic Model--CU

3.1 Token Introduction

* Token attributes

- ✧ Token Name: Crypto Universe
- ✧ Token : CU
- ✧ Quantity: 100 Million
- ✧ Attributes: governing tokens

Deploy the network-Ethereum
It is mainly a group of intelligent contracts deployed on Ethereum, which records the balance and provides transfer function.

Deployment network -BSC
Smart contracts deployed on BSC have the same functions as above.

Cross-chain gateway

The total number of token is 100 million which managed by Ethereum contract and BSC.

When users want to transfer CU from one chain to another, the amount of transfer will be deducted from this chain and increased in the new chain account.

Multi-chain universe cross-chain

Predictive machine
The prophetic machine will listen for requests to flow CU on different chains, and the user's request will make the transferred balance inaccessible on the source chain. Then, the prophetic machine will issue instructions to the target chain to transfer the corresponding balance to the target chain.

Multi-chain cross-chain

Before sending the cross-chain instruction, the token contract will need to be approved by several contracts that make up the Oracle, and each Oracle will have two chains of keys, and this key will be approved by the Token contract with two chains. Therefore, once the Token contract registers most approvals, it will be possible to transfer from inaccessible accounts to customer-accessible accounts.

3.2 Token Model

- ♦ Founding team: 20%
- ♦ New team share in the future: 10%
- ♦ Founding ecological cooperation (incubation): 10%
- ♦ Funds (investment institutions): 20%
- ♦ Community operation: 40%

(consultant: 5%, community: 20%, mining: 15%)

Unlocking cycle: one month after the official launch, linear release will be started, and 8.3% will be released every month, and all will be released in 12 months
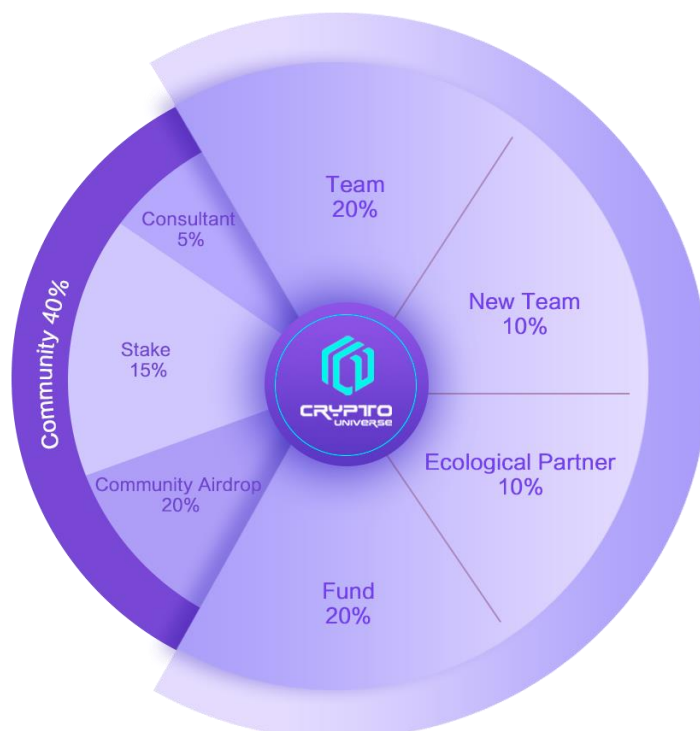
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Uses of CU

- ✧ Users must hold CU in order to conduct Crypto Universe governance
- ✧ CU can be used to obtain rare identities
- ✧ Players can pledge CU to obtain income in LP mobile pool

to obtain inflation income

- ✧ Some games can only be accessed with CU

3.3 Application of general certification

- ✧ Governance
- ✧ Purchase NFT
- ✧ Unilock
- ✧ Incentives

3.4 Farm mining (LP)

Explain

Users can put the unified governance certificate CU of the encrypted universe into the liquidity mine pool, and obtain the new planet value captured by the encrypted universe by pledging the governance right.

Value Capture Mechanism

Through the unified collection of resources, the exploration of new planets and resource mining will be carried out, and the value of cosmic growth will be obtained. This part of value is moderately inflated, and the additional part will be distributed to pledged users and players participating in mining through distribution accounts.

Original Contributor Incentive

For pledge builders at the initial stage of the project, they will be added to the incentive list, and the rewards will be specially distributed from the ecological fund in the follow-up.

3.5 NFT machine gun pool

Structure

- Debris

Each NFT (not activated) can split the mortgage, generate ERC20 token in the Crypto Universe game world, customize the game ecosystem

belonging to the player, and establish its own governance rules and economic model in the game world. When the Metaverse game is opened or accessed in the future, each player can establish a small kingdom belonging to the player.

lend money

Identity NFT includes identity and credit authorization, which can be used for credit authorization in Crypto Universe, so as to carry out lending activities, mortgage credit identity, obtain CU, guarantee credit NFT to other users and jointly obtain DeFi credit loan.

Design mechanism

Rare NFT (activated or inactivated) can be directly used as collateral to open a CU machine gun pool and capture the inflation value of CU.
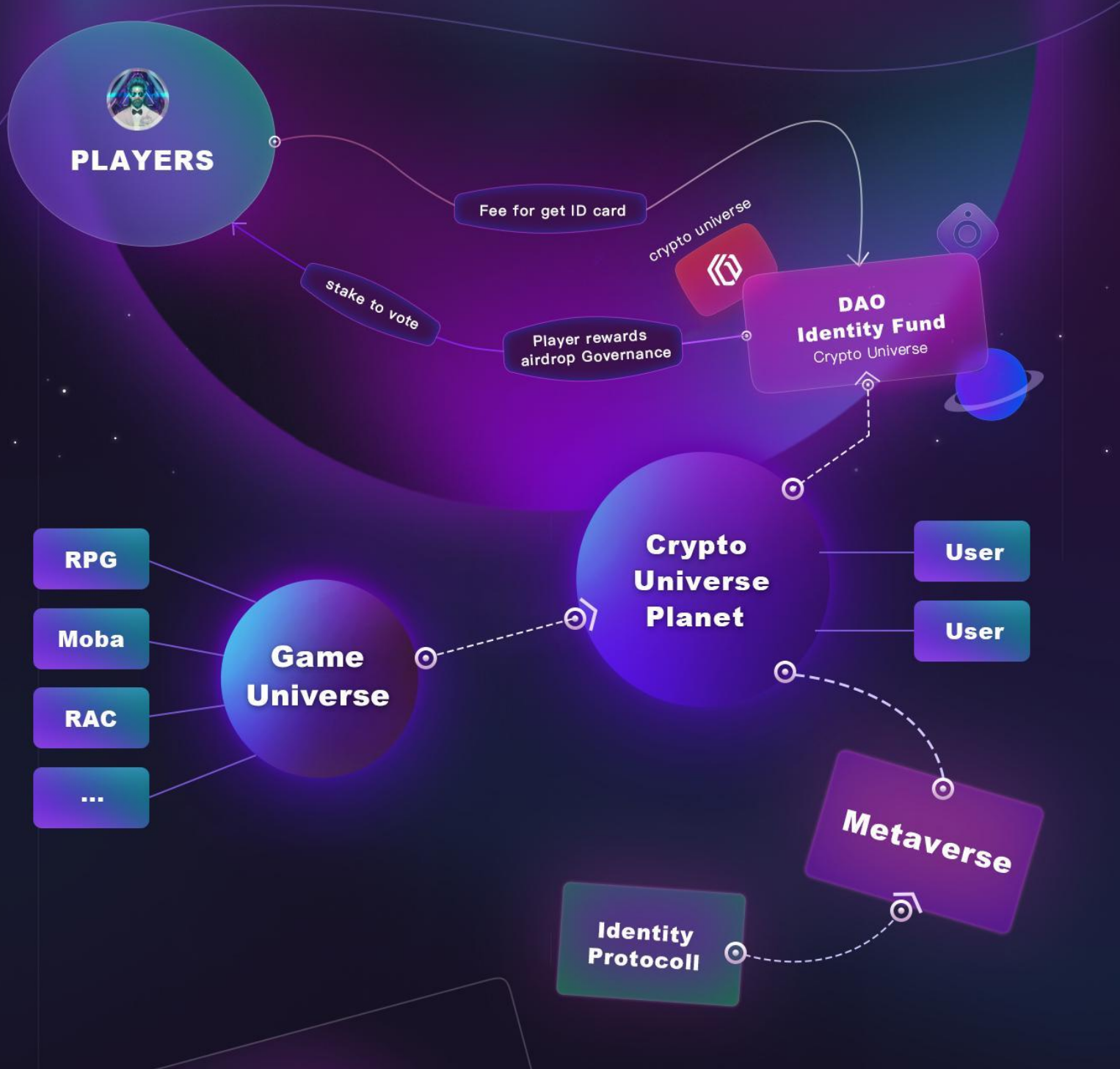
TOKEN APPLY

THE PURPOSE OF CU

Users must have CU in order to conduct governance of Crypto Universe.

CU will be available to acquire rare identities,and some games can only be accessed if you have a CU

PLAYERS

Fee for get ID card

crypto universe

stake to vote

Player rewards
airdrop Governance

**DAO
Identity Fund**
Crypto Universe

RPG

Moba

RAC

...

**Game
Universe**

**Crypto
Universe
Planet**

User

User

Metaverse

**Identity
Protocoll**

4. Governance DAO

4.1 Governance DAO

The Crypto Universe is driven by the community, governed by DAO, and has its own complete economic system, which encourages players to create and carry out autonomy. Users get the project governance right while obtaining the Crypto Universe ID card, and the governance right will be sent by airdrop. Users can use the governance right obtained by roles to govern projects and initiate proposals.Vote on the development path of the project, and capture the value of the whole ecology through DAOshare.

4.2 Governance Rules

Create Crypto Universe DAO, generate CU governance token, and carry out initial airdrop, the target of which is identity card holder.Equity includes:
✧ Right of governance
✧ Dividend right
✧ stock ownership

Participate in the governance of Crypto Universe DAO by obtaining CU mortgage   dividends of future income of the project.

How to get CU

You can get CU in two ways:

✧ Work contribution. Crypto Universe DAO seeks to encrypt the world's high- quality governance targets, and all contributors can obtain the corresponding BFTD.
✧ Buy. If you are optimistic about the future prospects of Crypto Universe DAO, you are welcome to snap up the identity card NFT. The snapped-up funds will enter the financial account of Crypto Universe DAO, which will be used for project construction and managed by BiCrypto Universe DAO.

No matter which way you choose, it is the recognition and support for Crypto Universe DAO, and it is also the driving force for Crypto Universe DAO to move forward.

Equity dividend

Any DAO member who has joined DAO for 30 days can participate in project dividends. The dividend cycle of Crypto Universe DAO is based on years, and the formula of member dividends is:

Members' actual dividends = total annual dividends x (member Share quantity * member mortgage CU days)/σ (member Share quantity * member mortgage CU days)

Build platform

The functions of Crypto Universe DAO include:
- Membership voting (including admission and kick-out)
- Governance decision voting

In addition, we have also opened a discussion channel for DAO members in the Crypto Universe DAO community of Discord (subject to permission), which is used to discuss matters related to DAO governance and commercial projects.

How to join

Need to hold a minimum of 10 CU, which will be used for mortgage, so as to obtain an equal proportion of DAO Share.

How to exit

Any member can withdraw from DAO at any time through Ragquit mechanism (but only if your voting has ended when you withdraw). During the exit process, the DAO Share you hold will be burned, and the CU mortgaged when you enter DAO will be returned to your NFT wallet.
When you need to emphasize, you don't have to quit all of them. You can keep part of Share to keep your DAO membership. Of course, your governance rights and dividend rights in DAO will be adjusted accordingly.

Governance off chain

The governance of DAO is divided into two parts: chain and chain. The chain governance is mainly realized by our BitFutureDAO in Notion, while the chain governance is implemented by our DAO in DAOHuas.

4.3 Governance Parameters

The main content of chain governance is voting. Any resolution will eventually reach a consensus in the form of voting. The voting process is as follows:

• Submit proposals-all proposals must be initiated by DAO members, and the format should follow the specifications

• Voting period-after the proposal is wound up, it will enter a one-day voting period

• Buffer period-the voting period is followed by a 1-day buffer period

• Processing-After the buffer period, we need to link the voting results and finish this proposal, which will take effect formally.

5.Ecological Layer-crypto Universe

5.1 Route Map
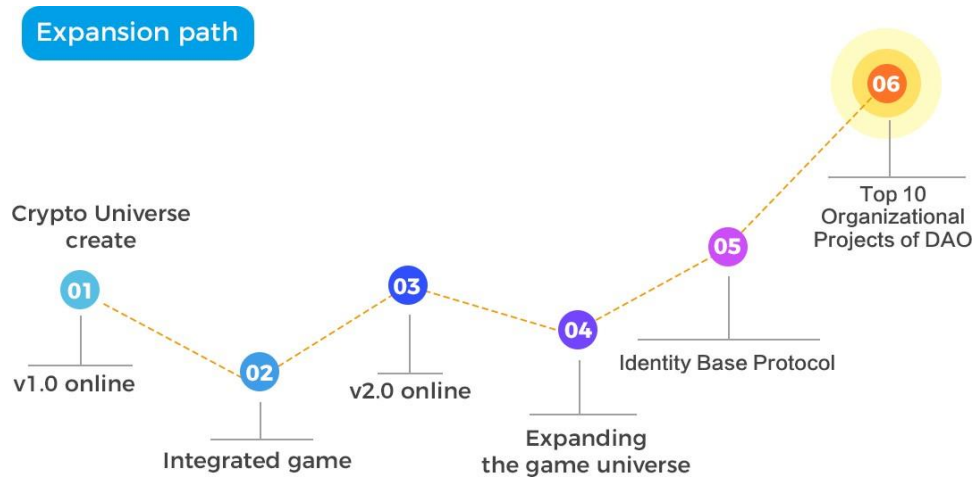
5.2 Crypto Universe Ecosystem

Metaverse (metauniverse) is the upgrade iteration of the Internet, the evolution direction of the next generation Internet, and a continuous virtual space that can be shared. In this virtual space parallel to human society, people entertain, socialize, consume and so on through virtual identities. These behaviors do not require personal participation, but can interact with reality.Overseas industries will invest trillions of dollars in yuan universe. This new field is shaping a new Internet paradigm!

The Basic Component of Metauniverse-Identity

In the meta-universe, identity is the most basic component. This identity is equivalent to your game account. In the traditional Internet, your game accounts are not interoperable with each other, but the meta-universe that grows on the basis of blockchain is an interconnected ecology. Players can explore the meta-universe with a unified identity.Unified management of items acquired during exploration in multiple worlds. At present, there is no standard about the identity system of the meta-universe, which is in a fragmented island state.

Ecological member

NFT+DeFi blind box+encrypted collection card

Crypto Universe

Ecological Empowerment

As an open source protocol, IDProtocol. NET can replace application-specific user tables with a single user-centered index shared by all applications. This index provides a unified location where all applications can register and discover data sources associated with users.This index allows your application to store data in any storage backend, while still providing users with the aggregation, metadata, schema and routing needed to make this data available to any other application.

Development

In the future, the project will establish a set of game ecology in Crypto Universe based on identity system. Each character will have different game background and authority, and play different roles on different planets. Meanwhile, other games will be introduced to carry out ecological cooperation, and a whole meta-universe game ecology will be established.

5.3 Expand the universe (Stage 2)

The first game ecology: identity Game

Theory World Open line

When the first batch of ancestor IP is released, open registration is activated, and only GAS fee plus 0.01ETH is required

Identity after open registration: BUIDL (builder), whale (encryption local tyrant), administrator (core player), player (ordinary participant, speculator), collector.

Identity granting: it is given to the user at the time of activation. According to the information in the chain, it matches the evaluation criteria, and only the card background and gender are randomly selected.

6. Summary

Crypto Universe ID Card will enable you to have the first ID card in the encrypted world, and gain the governance right and identity right of the encrypted world. From then on, your identity in the chain is no longer a series of cold addresses, but will become vivid and vivid! You will have a glittering identity in the chain, transcend nationality and region, and belong to a big family with players all over the world!

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