CC Token

Anonymous mapping communication network and encrypted social platform based on blockchain technology

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CC DAO • V2.0

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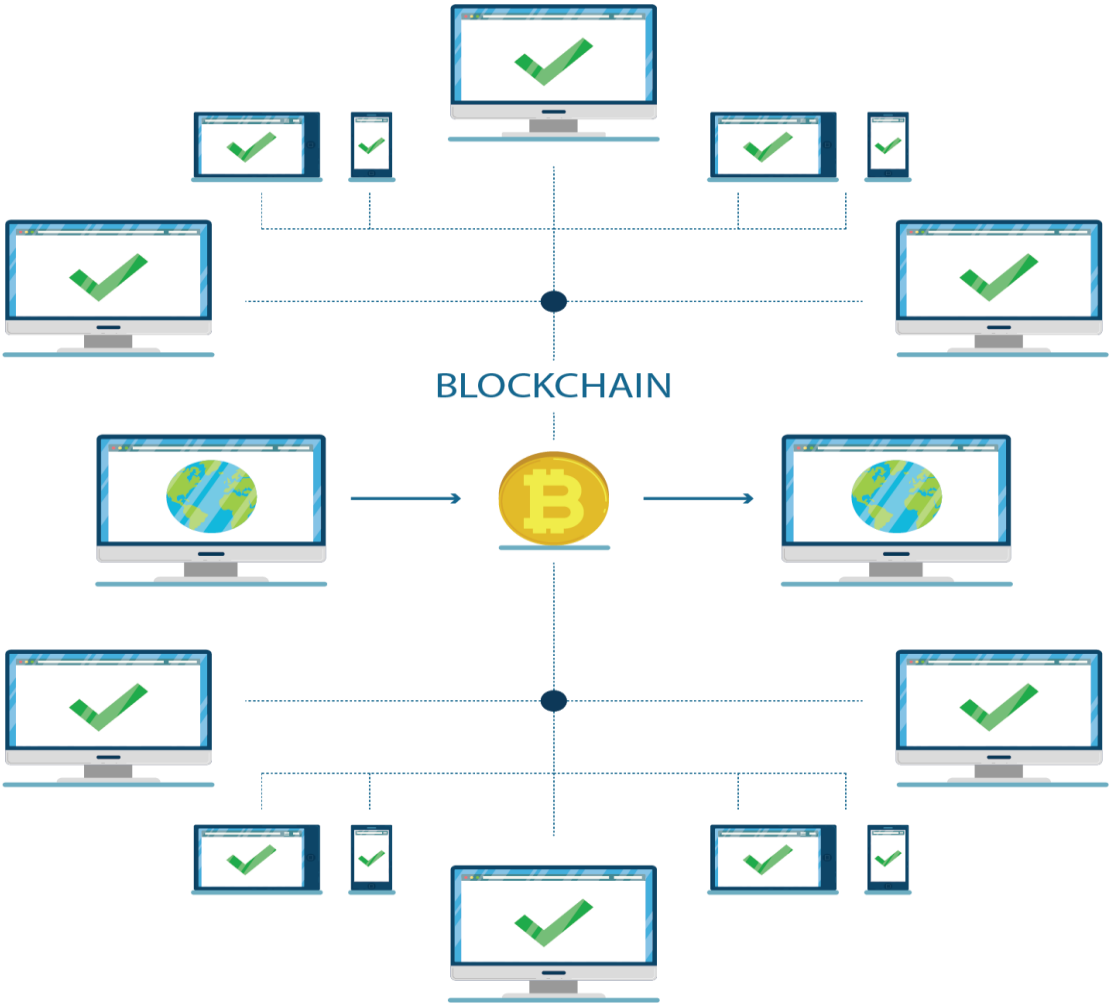
Contents

Chapter 1: The Birth of Web3.0 era

Web3.0 is a concept about the development of the World Wide Web, mainly related to blockchain-based decentralization, cryptocurrencies, and non-homogeneous tokens. In Web3.0, users interact to meet their own needs, and use blockchain technology in the interaction, so as to create, distribute and circulate value. The whole process of user interaction and value circulation forms the Web3.0 ecology. Compared with the platform centralization features of Web2.0, Web3.0 is committed to realizing the "decentralized" network ecology owned by users and jointly built by users. Undoubtedly, social networking will be a major breakthrough for Web3.0 applications.



1.1 Web3.0: User-led network ecosystem

1）Web1.0 —— "Feed Mode"

With the emergence of "WWW", people began to make a variety of visible information on the page, such as news, information and various pictures, etc. Through the Web, the resources on the Internet, can be more intuitively displayed in a web page, and the resources can be linked on the web page. This time gave birth to a lot of known companies, such as Google, yahoo, sohu, sina, they through a variety of web information display constitute the portal, and then attract users click to watch, custom advertising, through traffic cash, later we often call this period as Web1.0 (from 1991 to 2004)) according to some people, " in Web 1.0, content creators are few, the vast majority of users just as content of consumers."The Web at the time was seen as a way to democratize information access, but there was no other good navigation way other than visiting friends' GeoCities pages. It is very chaotic and disordered. Web1.0 is characterized by the website providing content, users read content, just like us to watch TV, we can only see what others want to show to us, and we can not control the content of the TV station.

2）Web2.0 ——"Interactive mode"

At the time the Web2.0 concept was proposed, there was no Web1.0 claim. Web2.0 was invented by DCloudChaty DiNucci in 1999 and later promoted by Tim O 'Reilly and Dale Dougherty at the O' Reilly Media Web2.0 conference in late 2004, before Web2.0 became more accepted. In order to distinguish between them, the previous network development period is called Web1.0.

However, as more and more people join the networking industry, some more interesting business model was born, such as the birth of the blog, the birth of Facebook social platform, and this kind of website and application of the biggest feature is that allows users to generate content, interact with websites and others, connectivity, this is the characteristics of Web2.0. From Web1.0, "read-only" to Web2.0 "interaction", it is not a replacement process, although most of the Internet applications and products are now Web2.0, but there are still many Web1.0 projects in operation. While many Internet practitioners in Web2.0 are also thinking about how the Internet should develop next, so they have a variety of Web3.0

imagination.

The emergence of platforms like Google, Amazon, Facebook and Twitter came to bring order to the Internet by simplifying online connections and transactions. Critics say these companies have accumulated too much power in the Web2.0 era over time. The tech giants of Web2.0 have become the gatekeepers of big intermediaries and the Internet. Most of the things we do on the Internet today, like searching the web, connecting with people, and sharing content, are forced to rely on the proprietary, opaque service code developed by these companies, and are unable to do anything.

3) Web3.0 ——"Decentralization mode"

All this will change profoundly in the Web3.0 era: the Web3.0 world will be fully open, users in the behavior will not be limited by ecological isolation, and can even think that users can freely travel in the Web3.0 world (based on basic logic); user data privacy will be protected through encryption algorithms and distributed storage; Web3.0 world, content and applications will be created and dominated by users to fully achieve user co-governance (DAO, decentralized governance), and users will share the value of the platform (protocol). In addition to completely different Internet models and user experience, Web3.0 will bring new ways to access traffic. There will be some interesting changes in the traffic entry mode of the Web2.0 era that occupies users' attention.

Web3.0 is an optimization for Web2.0, roughly labeling Web 3.0 with four tags:

- Unified identity authentication system
- Data right confirmation and authorization
- Privacy Protection and Anti-censorship
- Decentralized operation

Driven by distributed technology represented by blockchain, from decentralized point-to-point ledger experiments to decentralized smart contract platforms, countless new applications (Dapp) have been spawned. Gradually, DeFi has formed the "financial services" in the digital world, while NFT has accelerated the asset chain. We see that beyond the traditional world (online and offline), users

get closer and closer to a compatible digital world. At this point, people call for a new network world —— metaverse universe, which can faithfully carry the individual's social identity and assets, and the community will have a stronger dominance.

The Web 3.0 technology stack can be divided into three main layers: protocol layer, application layer, and network base layer. All of this is mainly built based on the blockchain. From an application perspective, Web 3.0 covers almost most areas of DAO (and tools), privacy, applications, storage and data, games, creator economic platforms, and social networking.

With the cryptocurrency industry booming, a large number of Web3.0 applications have emerged in the last two years, and of course, most of them may end up as transitional products. Some applications even have flaws in the economic model and solving user pain points, and do not reflect more real needs than Web2.0. In any case, Web3.0 ecology has taken shape, in the continuous application and exploration, will uncover the Web3.0 veil step by step.

1.2 Web3.0 ecological composition module

Web3.0's diverse ecological composition modules make it possible to implement user-centric, immersive interactive networks:

- User identity: Users use wallets, master multiple virtual avatars, and participate in the interaction of the Web3.0 network ecosystem.

- User Interaction: User interaction is carried out through blockchain technology, so as to realize the creation, distribution and circulation of value.

- User organization: Users form autonomous organizations to create applications, tools, protocols, etc. for the Web3.0 ecosystem in collaboration.

- Bottom layer support: The technology layer of blockchain and the data layer of distributed storage together provide the bottom layer support for Web3.0.

Users participate in the interaction of the network world through the virtual social avatar. In Web3.0, the collection of the virtual avatar is the user identity,

which is truly owned by the user and mastered by the user, also known as —— decentralized identity DID (Decentralized Identity). Compared with the user identity of the Web2.0 era, the Web3.0 user identity is very different in terms of identity control, openness, security, privacy and so on. The user identity of Web3.0 ecology is decentralized, and its expression form and use mode have the following characteristics:

- Decentralization: DID, as a collection of user identities, is completely controlled by users and is not completely controlled by any institution. The authentication of user identity by any institution is only one element in the set.

- Form of expression: The user stores the identity authentication information issued to him by various institutions on the blockchain address completely controlled by the user. This blockchain address is often also the user's wallet address.

- How to use: Log in to each application on Web3.0 through the wallet. The use experience is similar to the social platform login in the Web2.0 era. The difference is that DIDs are owned and mastered by users, while social platforms are limited by the platform.

In addition, the value characteristics of Web3.0: an open, private and jointly built world, but also create a theoretical basis and practical feasibility for the construction of new social networks.

1） Accessibility

User access in an Internet application "field", low threshold; for example, users often use a blockchain account address to login chain applications, without registration license, convenient operation; user behavior is not limited by the third party subject, Internet applications break the original so-called ecological boundaries and barriers, under the principle of composite code operation logic, the application has a high degree of combination and composite.

The most immediate case is the so-called DeFi Lego, where any application can call or aggregate the underlying underlying protocols (such as DEX), and the synthetic asset platform maps real-world assets to the chain (no delivery relationship), which is equivalent to breaking the so-called online, offline and

virtual and reality boundaries. In addition, Web3.0 internal applications based on different infrastructure can be interconnected by a "cross-chain" protocol; therefore, user behavior in multiple applications in the Web3.0 world can produce similar social relationship maps, further enhancing the potential of data value mining.

To use a game application metaphor, users can easily enter a game world without third party restrictions; users can freely embed their favorite characters / images into the game, and even make the characters cross-platform / domain activities, while in the Web2.0 era, you can not decide the character choice of survival, let alone into the WW —— connectivity platform, just because the control is not in the hands of the user.

Of course, you can also trade in equipment like character skins (with NFT), or even build a complex market for game equipment derivatives, based on other DeFi protocols. In short, Web3.0 lives across application platforms, virtual and reality.

2) Privacy

Transfer of data ownership and value. Data privacy has become the focus of global regulation. The current solution is to strengthen legal protection to make users realize that it is illegal to steal user data; the second is to introduce privacy computing, through dynamic encryption, multi-secure computing, trusted execution environment, to ensure that the data is invisible during use. In the Web3.0 era, users will tend to protect their personal data privacy in a more thorough way, thus triggering a transfer of data ownership and value.

With the decentralization of applications, when the on-chain data can be checked, the user behavior, the generated data and even the application protocols also need to be privacy protected. Privacy protection is multifaceted, including the basic blockchain platform privacy protection, storage data privacy (distributed storage), user private key management, anonymous protocol and other aspects.

3) DAO: an online world of jointly building, co-governance and sharing value

The construction of Web3.0 ecology, such as applications, tools, protocols, is inseparable from collaboration, so makes users cooperate in an orderly way is called DAO (Decentralized Autonomous Organization). DAO is a whole-process decentralized organization, with users organized due to common goals. It use

blockchain technology and smart contract procedures to formulate and implement rules, so as to achieve a fair form of community self-governance. Users' content creation in Web2.0 Internet applications is limited in ways (limited by platform audit, cross-platform), and even more limited in community governance, thus limiting user value capture in the economic sharing of creators. The Web3.0 openness principle will break these limitations, and the blockchain incentives will effectively feedback the value of the content economy to the creators.

Blockchain technology is the core technology foundation for the establishment of DAO form. Organizational rules are written through blockchain smart contracts, and are guaranteed for execution by the program. At the same time, the rules are stored on the blocks and cannot be easily tampered with. In the process of DAO, the creation, distribution and circulation of value will also occur. DAO builds in user interactions and consistently creates value in interactions. DAO distributes the value through issuing project tokens and NFT, so that users can enjoy the governance rights and revenue rights of DAO. DAO tokens, NFT can also circulate in DeFi.

As an organizational form in the Web3.0 era, DAO is quite different from the traditional organizational forms in terms of organizational structure, organizational rules, and ownership of rights. DAO has the following advantages: organizational rights are distributed to all organizational members through the form of organizational tokens, thus realizing community autonomy and equity distribution, thus greatly stimulating the participation and enthusiasm of organizational members, and playing an important role in promoting the construction of Web3.0 social projects.

1.3 NFT, SocialFi, the changes to social networking

In the context of the Web3.0 era, DeFi driven by blockchain has more value manifestations. Among them, the birth of NFT, SocialFi and other concepts has achieved deep changes to the current social networks.

When the Web3.0 social apps sprang up, the crypto community compared the Web2.0 social apps to them. Web3.0 Social networking builds on inheriting Web2.0 social ameplay, and improves on the problems exposed by Web2.0 social networking. The highlights of Web3.0 social are ownership, platform benefit distribution, and privacy communications. These claims do not mean that Web3.0 social applications will replace Web2.0 social applications, but that Web3.0 social applications add encryption / blockchain technology to Web2.0 social applications, solving the latter pain points. the two will coexist and learn from each other. Currently, the categories of Web3.0 social applications include social atlas, Social-to-Earn projects, social media, Metamoverse social platform, NFT social platform, social infrastructure and more.

1） Proprietary rights

The Web3.0 social app emphasizes that censorship resistance, content and data are controlled by users, and that the creators of social content have ownership and control of the content. Content and data are directly linked to chains, decentralized storage, and content authors can be traced through smart contracts, effectively protecting original. With the support of blockchain technology, the indestructible uniqueness of NFT lays the foundation for meeting individuals' needs for social digital identity.

- Decentralized social identity can record users' historical behaviors, and then build an on-chain credit system, and provide data support for other applications.

- With NFT, different identity rights can be set for different social users to meet special compliance and access requirements.

2) Platform benefit distribution

Web3.0 social applications have changed the uneven distribution of benefits in Web2.0 social applications. In Web2.0 social applications, content communication generates revenue, and a considerable proportion of the revenue will belong to the platform, while Web3.0 social applications will give most of the revenue to users. Blockchain and NFT provide new directions to explore the social content creator economy. As the market becomes more recognition of the creator economy, there will be more and more creators NFT in the future. Combined with the changes in the production relations brought about by the creators of the NFT economy, the efficiency of the communication and collaboration between people will be greatly improved, and the form of work and income distribution will be significantly different from today.

The Web3.0 social application benefits both content creators and readers, mainly generated by the Social-to-Earn mechanism. Through the Social-to-Earn mechanism, the creators post, get likes and forward from readers, and the platform gives users Token / NFT rewards according to the performance of content dissemination data. In addition, subscription features and paid to unlock content features bring revenue to creators and increase the number of core audience. For example, the Web3.0 social app gives readers Token / NFT rewards based on their on-chain activity, and readers can also get rewards by liking and forwarding content in need of promotion.

3) Privacy communication

Data is a very important source of information for users. Web3.0 social applications use end-to-end encryption technology to ensure that the communication between users will not be disturbed and reviewed by third parties. Web3.0 social application introduces encryption / blockchain technology, which keeps users' information and data on the chain, and the communication content exists in the encrypted form.

4) SocialFi introduces finance to social interaction

SocialFi is Social Finance, which is a combination of social networking (Social) and finance (Finance), namely social networking finance. Social refers to the behavior patterns we use like content creation, interaction, and relationships on social media. Finance, on the other hand, realizes the value of these actions through

specific channels to generate revenue.

In SocialFi, the project party allows the general participants to connect directly by issuing specific tokens. Participants bring themselves more token benefits through the influence of their own social relationships and content creation. At the same time, with decentralized blockchain technology, content is decentralized by creating a token economy. The content produced by users can be directly rewarded from other audience users, and the audience users can also bring systematic token and rewards to creators.

Through the above series of ecological interactions, Web2.0 Internet companies monopolize the vast majority of resources, control advertising commission revenue, small traffic creators can not be exposed by the company may have the opportunity to be broken. SocialFi will help users to solve its problems in three ways:

- Attribution of data rights: In traditional social platforms, all social data of users is stored on the operator's server in the form of fields, and the data is owned by the platform; and the immutability of SocialFi is useful for solving the problem of user data rights confirmation. more helpful.

- Benefit distribution: Under the algorithmic mechanism of traditional social platforms, there is an imbalance in the distribution of interests between users and platforms in terms of traffic realization, which is not conducive to protecting users' rights and interests; SocialFi is a way for users to financialize their social influence by The way to obtain income, there is no platform and other third-party fees.

- Privacy and security issues: All users' accounts in traditional social media are authenticated by real names, and users' real information is stored in the operator's backend, which can easily lead to information leakage. Identity anonymity protects the privacy of users.

1.4 Immersive social destination: the Metaverse

In the Web3.0 era, the metauniverse will be a highly imaginative and creative network form. In the Web2.0 era, people used to use the "virtual world" and the "real world" as the boundaries of the online and offline worlds. The metauniverse based on Web3.0 will be a deep fusion of the so-called "real world" and the "virtual

world".

In the Web2.0 era, the Internet has obvious ecological boundaries (this is due to the way that centralized companies operate). An Internet giant controls the ecological core access. Cross-ecological applications are fewer —— s, such as online payment tools across ecological restrictions, and the blocking of hyperlinks between important Internet application portals. So-called Internet applications are actually limited to activities in different ecological locals. In the metacosmic world of Web3.0 era, the "gap" and boundaries of Web2.0 era will be broken.

From Web1.0 independent computer hardware, cable network era, to Web 2.0 mobile phone, software, cloud storage, wireless network era, to now Web 3.0 cloud computing, block chain, AI, decentralized era, every technology transition with advanced technology or new concept, and Web3.0 and the universe, is widely regarded as the ultimate form of the Internet and immersive social destination.

1）The Earth to the real world of space

Since ancient times, human beings have been full of curiosity about the universe, and have devoted themselves to the mysteries of the universe. The history of human exploration of the universe is a magnificent picture scroll. In the process of exploring the universe, with the continuous progress of science and technology, human understanding of the universe has been deepened, and the development and progress of human society itself has also deeply benefited from astronomy and cosmology, as well as space science and technology. It was only in the early 20th century that astronomers determined the existence of other galaxies outside of the Milky Way. Today, the number of visible galaxies is expected to be above one trillion yuan. In the universe, our Milky Way is just a drop in the ocean, and the Sun is just one of the hundreds of billions of stars in the Milky Way. So far, as the only higher intelligent life in the universe, mankind is undoubtedly lonely, eager to seek connections from other planets, to explore the vast universe together.

2）The virtual world of the metaverse

"Metaverse" is a virtual space parallel to the real world and independent of the real world. It is an online virtual world that maps the real world and a more and more real digital virtual world. In 1992, Neal Stephenson's science fiction novel "The Avalanche" ("Snow Crash") was published to rave reviews."Avalanche" describes the perception and understanding of two parallel worlds of a generation of Internet

people born from the real world. But neither the author nor the book reviewer predicted a shock wave from the concept of "metaverse" (Metaverse), proposed, thirty years later.

How to interpret such a phenomenon? Need to answer the "meta-verse" definition. The most representative definition of "metaverse" is that "metaverse" is a virtual space parallel to the real world and independent of the real world, is an online virtual world that maps the real world, and is a more and more real digital virtual world. In comparison, Wikipedia's description of the meta-Universe is more in line with the new features of the meta-universe: a 3D virtual space featuring convergence and physical persistence through virtual enhanced physical reality.

in other words, The connotation of the "metauniverse" in the context of 2021 has surpassed the "metauniverse" recognized in The Avalanche in 1992: absorbing the information revolution (5G / 6G), the Internet Revolution (Web3.0), the artificial intelligence revolution, As well as VR, AR, MR, In particular, the fruits of the virtual reality technology revolution, including game engines, To show mankind the possibility of building a holographic digital world parallel to the traditional physical world; It triggered information science, quantum science, The interaction between mathematics and the life sciences; Promoted the traditional philosophy, sociology, Even a breakthrough in the humanities system; Including all of the digital technology, Including blockchain technology achievements; Enrich the transformation model of the digital economy, Fusion of De-Fi, IPFS, NFT and other digital financial achievements. The main body of "metamoverse", biological human, electronic human, digital human, virtual human and information human, eventually evolved into organism and inorganism. The combination of artificial intelligence and biological gene technology formed the so-called "post-human". The metaverse is probably the most poorly defined concept today, but a real metaverse product should have eight elements: one

- Identity: You have a virtual identity, whether related to your real identity or not.
- Friends: You have friends in the metaverse that you can socialize with, whether you know them in real life or not.
- Immersion: You can immerse yourself in the metaverse experience and ignore everything else.

- Low Latency: Everything in the Metaverse happens synchronously, with no asynchrony or latency.
- Diversification: Metaverse provides a variety of rich contents, including gameplay, props, art materials, etc.
- Anywhere: You can log into the Metaverse from any device and immerse yourself in it anytime, anywhere.
- Economic System: As with any complex large game, the Metaverse should have its own economic system.
- Civilization: The Metaverse should be a virtual civilization.

In the social field, the meta-universe may eventually give rise to new social relationships, both online and offline. On the one hand, the meta-verse expands the dimension of human survival, who will live in a comprehensive environment integrating the real world and the virtual world. On the other hand, it expands the sensory dimension of human beings and brings the comprehensive experience of reality / virtual vision, hearing and touch.

Since the PC era, the real world of mankind has begun the process of digitization. We chat online, get information, social games, and work together through the Internet, we spend more and more time on the Internet, and the real life projects more and more in the virtual network. This is already in the way to the meta-verse. Today, the "metauniverse connected by the virtual world" has been considered by the investment community as a grand and promising investment theme, and has become a new field of digital economy innovation and industrial chain. Moreover, the "meta-universe" provides a new path for the human society to realize the final digital transformation, and has an all-round intersection with the "post-human society", showing a new era with the same historical significance as the era of great navigation, the era of industrial revolution and the era of space.

Based on the above background, CC Token is upgraded to version 2.0, based on 1.0, with a deep understanding of Web3.0.

Chapter 2: Cloudchat, An Overview

2.1 Introduction to Cloudchat

With the advent of the Web3.0 era, the construction of anonymous and encrypted cross-regional social networks and the meta-universe virtual reality ecology will bring freedom and value to more people and institutions, and will also make the decentralized concept of blockchain better implemented. As a result, the CC team has worked with the world's top encryption community to build a blockchain-based anonymous network for communication networking and encryption social platform ——Cloudchat, with the goal of providing free anonymous access to the global network and unlimited anonymous chat.

CloudChat was founded in 2019 and is registered in Taiwan, China. The company operates in Taiwan, Dubai and Singapore. Currently, it has more than 20 million registered users, 200,000 daily active users, and CloudChat has a $10 million private investment. At present, it has received third-party investment.

Based on our independently developed public chain infrastructure and Web3.0 social application ecology:

- CC Token blockchain social platform
- Fully distributed anonymous P2P network communication protocol
- Original compound transaction group consensus mechanism
- Support transaction anonymity protection
- Turing-complete smart contracts
- Support the circulation of third-party assets in the anonymous network
- Cross-chain communication, multi-chain integration
- Anonymous social and distributed information storage
- Became the first blockchain 4.0 penetration system in the entire network to support various anonymous applications on-chain and free access across

regions

Cloudchat is committed to addressing user privacy and security issues. At the same time, through the blockchain merger, to realize the payment according to the requirements.

- The distributed stage is used to ensure the security and storage of data, and also prevents any form of data leakage or network tampering in the network.
- Introduce encryption technology to ensure that data cannot be intercepted and read by other third parties.
- Digital-based red envelope (welfare) distribution function

The Cloudchat will fission the ecology in the following three steps:

- The launch of the decentralized applet can be connected to any third-party applet, whether it is GameFi or M2E, it can be done in CC.
- The CC public chain is publicly released.
- Acquire the exchange and complete the merger, CC will build a comprehensive exchange including social, entertainment, trading, wallet, DeFi, etc.

As a blockchain-based social platform, Cloudchat covers the communication and blockchain technology areas. About 80% of Cloudchat users prefer blockchain and not just for media communication or interactive use. As a result, the CC team believes that users will have more needs and enthusiasm for privacy and security, users will be more interested in their identity value and time value, and users will need a more transparent, open, free and equal Internet world.

Only block chain technology and block chain to convey the spirit, to break the gap between the Internet giants now, Cloudchat is contributing to build such a new ecological strength, the ecology will not be closed, the ecology will be more and more large, and want to achieve this goal, need the joint efforts of global users, CloudChat has covered Asia, Africa, and will further expand to the European world. CloudChat has also gained a large number of users from China, India, Indonesia, Nigeria and other countries.

Decentralization, open, open, transparent, free and equal. Cloudchat is working to bring users around the world a Web3.0 immersive social era that is better built by blockchain.

2.2 Platform vision and value objectives

1) Vision

- In general: Cloudchat can not only interact, but also communicate, multi-language interface, support BTC, LTC, ETH and other tokens.
- New concept: CloudChat's new concept is a software connecting domestic Chinese and overseas Chinese, so without VPN, CloudChat does not need VPN.

Product differentiation: Most App companies use wechat and Alipay in payment demand, and our CloudChat s just break through similar products. By chatting and sharing your wallets, you can send red envelopes and transfer money to the community.

2) Platform value target

The future society will be connected by blockchain. As an inevitable product of the blockchain technology, the CloudChat blockchain social network adopts the principle of decentralized design, and reaches a consensus on wealth, speech, innovation and other aspects.

- Internet Freedom: The Internet has been called the greatest invention of the 20th century. Through the internet, we see the world, we speak our minds, and we seem to be freer than ever.
- Freedom to innovate: We cannot imagine how lifeless a world would be without innovation. Whether it is science or technology, products or ideas, innovation is like a catalyst, and innovation also requires freedom. It will thrive in an environment of free speech and free production.

3) Social services

The CloudChat Blockchain Encryption social service ecosystem will be:

- The platform will match each account with a unique digital identity (including avatar, personal identification information, Face ID, etc.) and digital wallet;
- Whether it is a one-way message or a group chat message, once the message sender's message is sent, it will be translated and encrypted;
- CC Token wallet provides multi-signature technology, with verification codes, fingerprints and other verification methods to escort asset transactions and comprehensively protect users' digital assets;
- CC Token realizes encrypted data storage in data security, identity authentication, privacy protection, and access control;
- CC Token will establish its own business ecosystem, which can support multi-scenario consumption in online or offline stores.

2.3 Value realization of the platform

Users of other media applications such as wechat and WhatsAPP only use either Web1.0 or Web2.0 applications, and CloudChat will be run by using Web3.0. Many media applications have great weaknesses, especially censorship, and technically most of these applications have Ai and monitor user conversations, which is quite insecure. CloudChat is a SocialFi chat app that supports cryptocurrency transactions.

The difference is that Cloudchat based on the CC public chain, in social form, with Web3.0 application (NFT mall, physical trading mall, DeFi, live, block chain information, wallet, currency collection, etc.) for the user aggregation channel, formed an open circulation of DAO community incentive value closed loop economy, makes the value in the economy's internal and external implementation creation, flow, transfer and conversion. To do this, the Cloudchat implements:

- Decentralized ecosystem: The "discovery" and "dissemination" of Cloudchat's value are mainly completed by users and rules based on trusted smart contracts. Driven by transparency and a new benefit distribution mechanism, everything will be done with the most operate in a reasonable manner.

• Free circulation of high-quality social assets: Cloudchat's various roles such as consensus, participants, developers, promoters and investors are no longer subject to the platform, and ecological roles are no longer distinguished by high and low.

• Characters can invite and motivate each other: the return period for participating in various activities on the platform is shortened, and the enthusiasm for the project is ignited.

• Asset NFTization: In the field of NFT and blockchain encryption, it mainly solves the scarcity and uniqueness of numbers, digital property rights, large-scale coordination across virtual environments, and systems that protect user privacy. In the Cloudchat ecosystem, everything can be NFT. NFT will bring digital uniqueness and verifiability to the Cloudchat ecosystem, completely subvert a series of items in traditional social media, and add important independence and uniqueness to the ecosystem. NFTs allow Cloudchat to exist in an open, trustless form with decentralized ownership.

• CC Token incentive system: Introduce participants, players, and users into the CC Token incentive system and transaction party system, encrypt user privacy data through cryptography, and use user contribution data and attention time for ecological chain construction. Data transactions will receive corresponding CC Tokens as rewards.

• Create a decentralized community autonomous organization (DAO) in the metaverse: In this DAO, all members form a social data sharing and open platform based on fair, open and transparent consensus rules and credible cryptography and mathematical algorithms , so as to realize data sharing, opening, trading and realization of applications in different vertical scenarios.

The opening of CloudChat is not only from the inside out, but also allows other Internet platforms to freely enter its ecological construction. With an open and inclusive attitude, it constantly enriches the social scenes, and forms an interconnected and open "big ecosystem" with other platforms. Users can share an identity system and an economic model between various platforms, and experience a more free and open Internet social networking.

The Cloudchat platform needs a fulcrum, which is based on a Token recognized by the world people. Only when this Token has a certain value can it be applied to the real economy. Therefore, we have issued the high-value token ——CC Token,

and promoted it through the advanced and reasonable distribution token mode, to realize the interconnection with the community and the entity, change the human concept, make the metauniverse social concept serve the field of virtual reality scenario, and bring W e b-3.0 innovative change.

2.4 SocialFi model support

The CC team believes that SocialFi shows the display of personal value. Only by enabling the creative content and social influence produced by individual people can more individuals gain benefits in the creator economic system, and the value ecology of SocialFi can be developed and expanded. Therefore, the SocialFi social ecosystem supported by Cloudchat will build a perfect self-negotiation economy system for users, where everyone can benefit from their own value. Players can build their own blockchain-based social ecosystem, VR, which can earn revenue by creating content, making Cloudchat a mixture of social media platforms and the NFT market.

The Cloudchat will iterate as an open forum, scattered over any network that itself is a collection of all the Cloudchat s, wherever they are. Anyone can create content on any subject and run it on their own domain. Each content is actually an

NFT, where users can create, buy, sell, and collect revenue from the advertising space for the posts that they own.

Cloudchat SocialFi mainly carries three layers of innovation value:

- Social layer: Social to Earn, earn as you follow. Cloudchat users first establish social connections through investment strategy subscriptions, which are more sustainable based on on-chain reputation.

- Middle Tier: Play to Earn, earn as you play. The creator economy will stimulate a large amount of content, which will inevitably generate information noise. Various investment strategies are mixed. The Cloudchat middle layer is designed as a game experience for screening investment strategies. The purpose is to filter high-quality investment strategies and investors with cognitive ability. In Cloudchat Such professional investors are called "navigators".

- Core layer: Invest to Earn, earn while investing. Whether it is earning while following or earning while investing, Invest to Earn is the most efficient way for the explorers of SocialFi, which is also the most important result of the investment strategy. At the core layer of Cloudchat, creators will put their own Tokenization of investment strategy content not only attracts subscribers to learn the content, but also allows followers to participate in investment, thereby providing high-value liquidity to the market, in which professional investors "navigators" are indispensable.

The primary incentive for Cloudchat is to empower creators to continue to produce high-value SocialFi models. The SocialFi ecosystem also requires intermediate invitees to mine, screen, and match them to attract more participants to subscribe to quality SocialFi participation strategies, from which the invitees will also receive corresponding incentives.

Chapter 3: Infrastructure Support

3.1 CC public chain

CloudChat aims to develop its own blockchain, as the team believes that social networks and blockchain have become very fast and accessible with Web3.0.

CloudChat blockchain will try fully anonymous and untraceable encryption protocols and token incentive models to build an easy-to-to-use, user-experienced cross-regional anonymous blockchain network, hoping users' assets to be durable, secure and decentralized. At the same time, we hope to help developers and players achieve better benefit consistency through the digital asset economic model carried by blockchain:

- The CC public chain helps developers to asset tize the content they produce, enabling them to continuously benefit from the use, management, and circulation of their assets, and provide convenient, gallocentric social distribution channels;

- The CC public chain helps users to transform the data and consumption acquisition of their time and energy into assets that can be safely stored and circulated, giving users the right to manage and commercialize them.

CC public chain focus block chain infrastructure and platform layer core technology, build with original completely distributed anonymous P2P network communication protocol, the new anti quantum attack password hash algorithm and signature algorithm, original double consensus and mining mechanism, support trading anonymous protection, Turing complete smart contract, adopt fair distribution mechanism, support third-party assets, cross-chain communication, chain fusion functions, can public chain, alliance chain, private chain and landing to the actual application scenarios.

The CC public chain will realize all kinds of key technologies of the value transmission network, build a global value Internet, and provide a basic network for all kinds of value transmission applications.

3.2 Key features

The CC public chain has made great improvements to all aspects of the blockchain infrastructure, and has put forward breakthrough innovations at some levels. The main technological innovations of CC public chain include:

- At the communication level of the underlying P2P network nodes, combined with the advantages of the existing Tor-based anonymous communication network and blockchain-based distributed VPN, an original anonymous P2P communication network is realized. It adopts a private encrypted communication protocol, which greatly enhances the anonymity of nodes in the underlying communication network and ensures that communication between nodes is difficult to track and crack.

- At the level of the underlying data structure, a new data structure, an enhanced Directed Acyclic Graph (DAG) - HashNet (HashNet, HN), is adopted to realize asynchronous and parallel event consensus verification and improve the scalability of the system sex.

- At the level of distributed consensus mechanism, a safe and efficient two-layer consensus mechanism is designed, based on the HashNet consensus of enhanced DAG and the Byzantine negotiation (BA-VRF) consensus based on random selection function. The characteristics of fast confirmation speed can quickly build an ecosystem for different application scenarios.

- At the anti-quantum attack level, a new anti-quantum attack cryptographic algorithm is adopted. By replacing the ECDSA signature algorithm with the NTRUsign signature algorithm based on integer lattices, and replacing the existing SHA series algorithms with the Keccak-512 hash algorithm, quantum computing is reduced. Threats posed by rapid development and the growing popularity of quantum computers.

- At the anonymous transaction level, combined with the characteristics of the existing encrypted virtual currency, through the one-time key and ring signature technology, a transaction anonymity and privacy protection method with extremely high cost-effectiveness and excellent security is designed, and supports zero-knowledge proof as Select functions to meet the privacy protection requirements of different application scenarios.

- At the smart contract level, by implementing Moses Virtual Machine (MVM), it supports declarative non-Turing-complete smart contracts and advanced Turing-complete smart contracts oriented to Moses language. The advantage lies in a better support chain It supports third-party asset issuance, and can be implemented in practical application scenarios in the form of public chains, alliance chains, and private chains.

- At the cross-chain communication and multi-chain fusion level, the relay chain technology is used to implement the cross-chain communication and multi-chain fusion functional modules as a single layer of Overlay, which can not only maintain the independence of cross-chain operations, but also reuse the CC public Various functions of the chain base chain.

- At the level of ecological incentives, a variety of token distribution methods and methods are used comprehensively, and mining is supported for ecological incentives.

- At the industry application level, through the development of JSON-RPC industry common interfaces such as circulation payment, data transmission, data search, and contract invocation, it supports various applications at the upper layer.

3.3 Public chain core components

The CC public chain includes universal blockchain components suitable for social networking, including smart contract, universal Token system, equity system, autonomous development system, decentralized blockchain tool system, etc. Through these infrastructure, we can lower the issuance threshold of social assets; open up the circulation of social assets, NFT and Token across the platform to obtain value; and provide financial security to users through the underlying Token mortgage system.

The CC public chain will provide support with and not limited to the following component support:

- Multi-platform operating environment with blockchain system interoperability interface;

- Improved high-speed consensus, and delegated witness mode;

- Test chain including high-efficiency chain network and high-speed contract virtual machine;
- A cross-chain acceptance gateway that supports homogeneous and non-homogeneous digital assets (NFTs);
- Enhanced asset permission system;
- Smart contracts capable of continuous execution across blocks;
- Atomic transaction operations;
- Support for syntax-level consensus tasks;
- Small-scale consensus and random numbers;
- Supports endogenous trusted random processes;
- Supports extremely small on-chain transaction confirmation cycles;
- Supports precise timers in the chain, supports Standby mode, and contracts operation mode with heartbeat support;
- Transaction verification mechanism to prevent BP/developer from cheating.

Also, provide features that include, and are not limited to, the following:

- De-intermediate asset operation interface;
- Example of a non-fungible asset (NFT) circulation platform;
- Player autonomy and dApp store mechanism support;
- Visual IDE (including visual editing of social programs and contracts);
- A complete wallet, user system and blockchain browser;
- Iteratively updated smart contract system;
- HTML5 programs and applications of blockchain functions such as smart contracts and transactions.

With complete development tools, technical support and operational maintenance experience, CC Public Chain will build the world's first complete set of blockchain social development tools, bringing developers and mobile devices into the social world of Web3.0, and getting through the circulation of virtual assets between social platforms.

3.4 CC public chain advantage

1) High output

Through the second-layer network to improve the higher TPS of CC public chain, the theory can reach tens of millions per second.

2) High capacity

Through encryption and deweight technology, the underlying network file system of CC public chain is improved, and the larger storage space of CC public chain is improved to more than a thousand times.

3) High reliability

By expanding the blockchain network structure of CC public chain, and combining with the double hierarchical consensus of super nodes and edge nodes, a reliable and feasible value system is constructed to ensure the stable operation of the whole network.

4) Variety

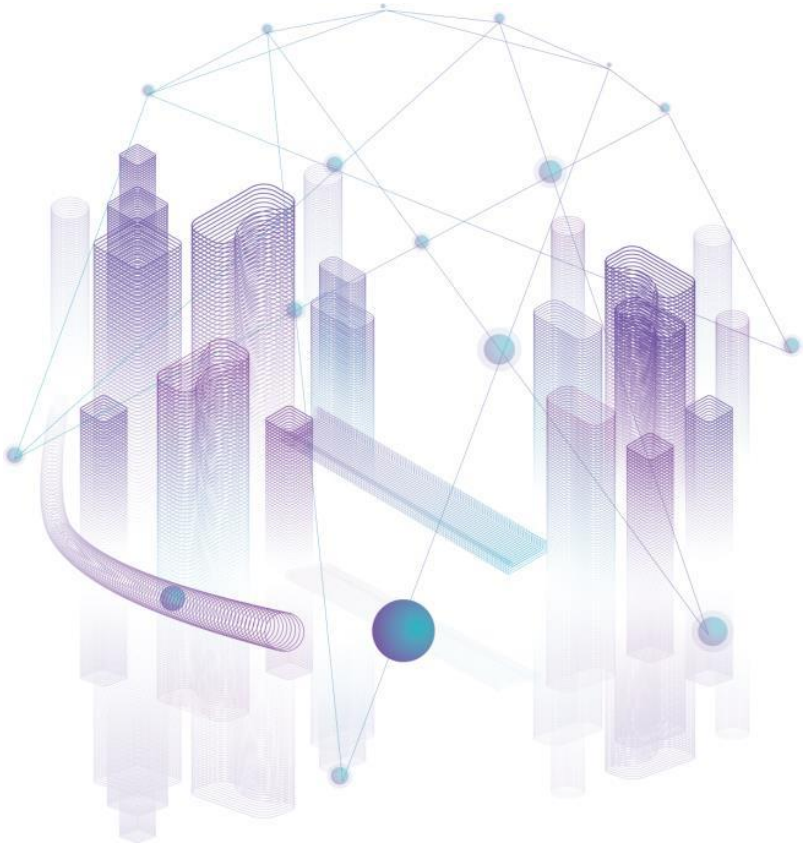
By expanding the smart contract implementation mechanism and task scheduling model of the CC public chain, and combined with the edge computing grid, more smart contract adaptation scenarios are built.

5) High compatibility

By expanding the CC public chain smart contract writing specification compatible with the mainstream public chain in the market, combined with the multiple contract virtual mechanism, make the smart contract cross-chain compatibility, reduce the entry threshold for developers.

6) Low cost

By expanding the CC economic model of C public chain, combining with multi-pass certificate and multiple incentive mechanism, the virtuous cycle of consumption system and production system is realized, and the operation cost of other centralized design and competitive products is provided.



Chapter 4: Application Functions / Procedures

On Cloudchat, we have launched a variety of functions / programs to meet market demand. Such as: wallet, NFT mall, physical trading mall, DeFi function, live broadcast function, Token K line, block chain information, currency collection, etc.

4.1 The CC Token Wallet

The CloudChat wallet system is powerful, mainly based on blockchain information technology development. It pursues the ultimate user experience and makes the payment environment more secure. Support for multi-currency, multilingual, and improved API interface. Build secure and easy-to-use digital asset management tools and entry-level applications.

CloudChat Wallet provides multiple signature technology, using the authentication code, fingerprint, live body and other authentication methods, to fully protect users' asset transactions and digital assets.

In order to facilitate ordinary users to easily use the wallet, CC Token wallet uses SPV, that is, through the Web access wallet. Wallet uses SSL protocol supporting Symantec CA certificate. At the same time, the wallet can support the cold wallet and the hot wallet.

- Cold wallet: suitable for a large amount of money, the public and private key pair of the wallet is generated offline. Users can generate any favorite key pair. After the key is selected, they can provide the public key starting with G to accept large funds, and keep the private key information starting with S by themselves.

- Hot wallet: Hot wallet is suitable for small and fast transaction scenarios. Hot wallet key is managed. When the user registers the wallet account, the private key generated by the user's payment password will be encrypted locally through 3DES on the user's computer, and the encryption results will be hosted in the wallet cloud through SSL protocol. That is, the hot wallet key information transmitted on the network and stored in the cloud is the data

encrypted by the user. Except for the wallet user, no one can obtain the original content of the private key.

When the user needs to sign the transaction, the user will get the managed private key from the wallet cloud server, and the user will enter the payment password to decrypt the content on the user's local computer. After the successful decryption, the wallet local program will sign the transaction information with the private key, and submit it to the global intelligent trading center network for transaction.

The CC Token wallet contains two types of assets: native assets and registered assets, similar to the real-life wallet of the yuan and all kinds of cards. Native assets can be used without any trust, and the assets registered by the gateway must trust the corresponding assets to exchange value.

In addition, the CC Token Wallet has a built-in cryptocurrency converter that allows all users to convert their held cryptocurrencies into other competing currencies at any time in the wallet (and vice versa). CC Token wallet is easy to operate, not only the entry-level users can be easily applied, but also the senior users can choose different professional investment functions in the wallet due to their unique transaction needs. CC Token wallets can be operated directly and simply on mobile devices, and these new technical features will make cryptocurrency applications more practical.

With the support of CC public chain underlying technology, CC Token wallet has the following characteristics:

- More secure: path security, data security, tamper resistance and no single point of failure;
- Faster: real-time transactions, no payment intermediaries, faster cross-platform/cross-chain/cross-border settlement;
- Cheaper: low-cost transactions, low transaction commissions, and no middlemen.

4.2 NFT mall

Through the NFT mall, to obtain a strong NFT projects, CC strongly support users to buy NFT and enjoy CC ecological VIP treatment, CC official limit NFT, star NFT, art NFT can enjoy the corresponding privileges. With the first-mover advantage and the continuous cumulative network effect, NFT Mall will certainly become a comprehensive NFT platform covering the most extensive categories and the most digital goods, and around the diversified ecology, NFT mall will continue to deeply cultivate in the NFT derivative field, and form an irreplaceable dominant position:

- NFT Mall is a cross-chain, cross-category, and cross-project NFT comprehensive trading platform. This comprehensiveness brings one-stop services to users, and also concentrates user traffic, bringing more exposure to products. No matter which NFTs users want to buy or browse, they can meet relevant business needs on the NFT mall.

- Mining NFT on the CC public chain requires only a very small gas fee. Only when the user successfully sells the product in the NFT mall, the minted NFT will be listed on the chain and the gas fee will be charged.

- Compared with platforms that focus on a single NFT field, the NFT mall has no user threshold and no restrictions. At the same time, the NFT mall only charges a very small part of the handling fee for the transaction amount, and the charging model is clear.

1) NFT business

In addition, NFT mall will help high-quality projects, users, investors, related institutions for NFT assets level 1 issuance, trading and circulation. Through the NFT mall, users or players can buy first before the NFT flows into the secondary trading market, thus gaining better access to prices or the priority to experience projects earlier. For example, users can directly participate in the market at NFT stores to get better access to prices or the priority right to experience projects earlier.

In terms of secondary market liquidity, it will rely on the huge flow of CC public chain consensus to help users solve the problem of secondary market liquidity. Buyers and sellers can trade freely on the NFT Mall secondary market. In terms of

GAS fees, compared with the general NFT public chain consensus, NFT mall has no user threshold, and has no third-party distribution restrictions. At the same time, in order to promote the formation of CC consensus in the early stage, 0 transaction fee can perfectly solve the problem of too high GAS fee, and gather a large number of users. The NFT cast on the CC, the data is stored in the decentralized storage network, which ensures the persistence and imtamability of the data.

2) NFT fragmentation

Users can fragment one or more NFT assets in their NFT fragmentation transactions on the NFT mall. Automated market makers (AMM) and liquid mining (Liquidity Farming) were introduced on the basis of NFT fragmentation.

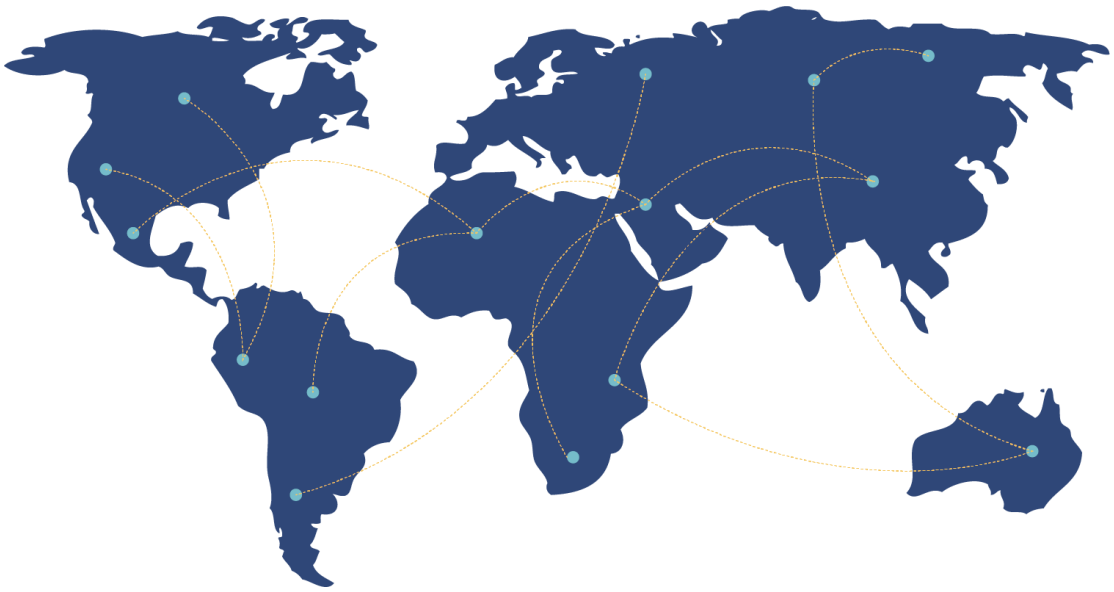
NFT holders can create MToken by depositing and locking in smart contracts based on NFT based on ERC-721 / ERC-1155 standards. MToken is an ERC-20 token with circulation set by the creator, and a MToken contains one or more collections of NFT collections.

MToken can acquire partial ownership of the NFT collection (determined on the number of MToken holdings). NFT collectors can bid for a single NFT in the NFT collection collection, and MToken holders can vote on whether to accept the highest bid. When the percentage of the highest bid is received (this proportion is set by the creator when creating the MToken), the NFT is unlocked, the highest bidder can claim the NFT, and the holder of the MToken can get the proceeds from the sale of the NFT in proportion. MToken is essentially a governance tokens that give holders the right to vote and share the proceeds. To get more revenue, the model encourages MToken holders to actively participate in voting when the NFT collection bid reaches the expected valuation, and also gives MToken holders an incentive to promote the collection, giving the NFT the opportunity to get a higher bid.

3) NFT auction

The NFT Mall will create an NFT goods and value products auction service ecology, providing artists, players, investors and collectors with a brand new, business model and platform that they can rely on. NFT mall NFT goods and value products auction is based on the CC public chain development program, providing NFT creation, trading and circulation infrastructure. NFT mall will also set up a special NFT investor protection fund, including: investment and layout head NFT

platform and works, hatch top head NFT artists, provide a bridge for traditional top artists into the NFT, sponsored galleries, organize art exhibition or publishing, set up awards, support art creation and art criticism and establish related art collection, etc.



4.3 Physical trading mall

On the Cloudchat physical trading mall platform, users can exchange gold, diamonds, and some brands of watches through USD. At present, the negotiations with some partners have been completed, and we are waiting to be signed. In addition, the physical trading mall will use the immersive interactive experience of the traditional Web3.0 yuan universe.

Through AR (augmented reality) and VR (virtual reality), we create a business ecosystem with 3D display, real-time simultaneous voice interaction, payment and trading, integrated services, Internet promotion and sharing, and provide consumers with "immersive shopping experience".

Physical trading mall as an immersive shopping mall in virtual reality immersive shopping mall, not only provide consumers with "immersive shopping experience", but also set social, entertainment, games and other attributes in the immersive interaction space, using the world's most advanced 3D engine built in the virtual

real world mall various goods, visual effect greatly improved the user experience, people can experience in this space scene immersive content, such as communication, chain shopping, space and earn income, etc. Let users create their own wealth empire in the virtual mall world through the metaverse universe.

Physical trading mall hopes to create an ultimate virtual reality mall shopping center, will focus users on an immersive and fascinating environment —— for the first time ever, users can be in a place to access all kinds of goods and immersive content, and obtain different levels of block chain education resources, virtual business resources, realistic game experience, and through virtual reality experience imagine any other things. As a platform, the physical trading mall will provide users with the ability to display, share, trade and allow users to create twice in the metaverse virtual mall.

In the future, Cloudchat physical trading mall will use the current C2C, group buying, distribution, auction and other e-commerce model, comprehensive retailers circle increase AR (using augmented reality), VR (virtual reality), 3D (3 d space), AI (artificial intelligence) technology to cooperate with different retail, wholesale, famous brands business cooperation to create a new shopping platform, let users in the home through Cloudchat yuan universe physical trading mall see 3D products, so as to increase the visual impact and purchase desire, really feel the fun of shopping in physical stores. We want to implement virtual world shopping and integrate with the real world to deliver goods to users.

4.4 DeFi function

Cloudchat will introduce the concept of DeFi pledge to create more value returns for platform users. Such as: holding CC Token to obtain fixed income, pledge CC to obtain other tokens, etc.

1）Pledge lending

CloudChat pledge loan is an agreement independently developed based on CC public chain, which is used to establish a capital pool based on asset supply and demand changes that is calculated by the algorithm. The supplier and borrower of the asset interact directly with the agreement to earn or pay floating rates. It can also be used as a powerful tool (relative to other methods, such as directional airdrops).

2) Supply of assets

In the peer-to-peer platform, the user's assets are lent to another user. Unlike the exchange platform, the CloudChat pledge lending agreement summarizes the supply of each user, provides more liquidity, and maintains the balance of the capital system. The borrower and lender can obtain rewards (interest) while observing the corresponding agreement. At the same time, CloudChat pledge lending can "settle the balance" to increase the agreement or repay users, which could unlock new business models for the ecosystem.

3) Loan assets

The CloudChat protocol allows users to borrow CC tokens (BTC, ETH, USDT, etc.) for use anywhere in the ecosystem. Each money market has a floating interest rate set by market forces that determines the cost of borrowing for each asset. The assets held by the agreement all have a mortgage factor ranging from 0 to 1, and the liquidity and value of the underlying assets determine the size of the mortgage factor. The collateral multiplied by the mortgage factor is equal to the available amount of the user.

4) Interest rate model

CloudChat pledge lending agreement does not negotiate with suppliers, borrowers, terms and interest rate, but uses an interest rate model, which achieves interest rate equilibrium based on supply and demand. According to economic theory, interest rates (the "price" of money) should increase with demand; when demand is low, interest rates should be low, and vice versa. The utilization U for each market a unifies supply and demand into one variable:

$$U_a = \frac{Borrows_a}{Cash_a + Borrows_a}$$

The demand curve is encoded by governance and expressed as a function of

utilization. For example, the borrowing rate may be similar to this: Borrowing Interest Batea=2.5% + Ua * 20%, and the interest rate earned by the provider is implicit, equal to the borrowing rate by multiplying the utilization rate.

5) Liquidity incentive structure

The CloudChat protocol does not have liquidity, but instead relies on an interest rate model to motivate it. In periods of extreme demand for assets, the liquidity of the agreement (the token available for extraction or lending) will fall; when this happens, interest rates will rise, thereby stimulating supply and suppressing borrowing. Therefore, the CloudChat protocol will provide a liquidity mining module based on DeFi, including hundreds of currencies such as BTC, USDT, ETH, SOL, Polygon, DOT, and ATOM.

4.5 Live broadcast function

At CloudChat, you can use CC Token to reward your favorite anchors, and you can also get discounts by using the CC Token recharge platform.

At present, when the value distribution model is facing doubt, the content quality of live broadcasting platforms is being criticized. Through the application of blockchain technology and token incentives, CloudChat will make live streaming a more competitive advantage.

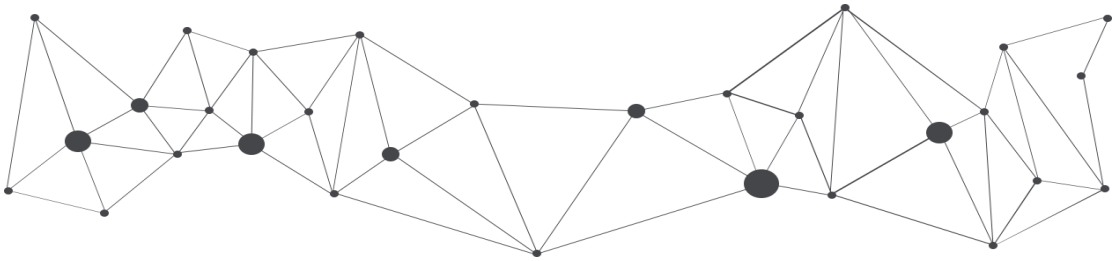
Essentially, through a decentralized approach, blockchain technology creates a credible decentralization-based platform. For anchors, under the decentralized operation mode, there is no platform side to share, and all the revenue is distributed to the platform users according to their work. CloudChat will make each user become the master of the platform.

For ordinary users, there is no centralized monopoly, and users can get profits according to their own behavior. Users can get feedback by watching live broadcasts, tipping anchors, participating in discussions and other behaviors. This is equivalent to the users who are "consuming" and also "making money", which greatly returns the value created to the user.

CloudChat reconstructs the user ecology in the field of live broadcasting with blockchain technology, forms a new system around the core value of the platform, and reforms the "three-way paradox of live broadcasting" of economic theory, algorithm innovation and value distribution. Make the transparency of live streaming rewards, the fairness of income distribution, and the balance of platform and user incentives through CC Token.

At present, CloudChat is exploring the feasibility of metauniverse + live broadcasting, and introducing the platform live broadcasting module to drive the improvement of user experience. In terms of live broadcasting, CloudChat will use AR, VR and 3D technologies to realize the innovation of live broadcasting. VR gives the audience a sense of immersive participation. Through virtual reality technology, this immersive experience is unusual for audiences. CloudChat live broadcast will shorten the distance between users and anchors from the perspective, and create a sense of live atmosphere for the audience. In terms of economic benefits, breaking through the restrictions of the site, expanding the audience group, but also for developing a new closed-loop ecological chain of industrial equipment,

communication rights and interests, and advertising implantation. The unique interactive mode can also create new profit points for the platform.



4.6 Meta-cosmic social

In CloudChat, the traditional social model will be completely overturned, and an innovative social ecology will be built. Users can create virtual characters in the CloudChat meta-universe, and meet together for shopping, games, consumption and other social activities.

Each user has a virtual identity in the CloudChat meta-universe, where they can publish content. The CloudChat will recommend users and information through AI algorithms, based on the user's social portrait and interest map. Based on this, every user can establish new social relationships in the metaverse, which is no longer a physical location "nearby", no longer a "friend", and no longer an offline social relationship mapping. This higher-dimensional virtual social network is what CloudChat calls "social virtual reality".

CloudChat metaverse social networking will break through the limitation of time and space, and expand our range of friends. With holographic virtual image technology, CloudChat can achieve a huge reduction of real scenes, and borrowing some auxiliary devices can greatly improve the user experience and increase user stickiness. Compared with virtual social networking, the CloudChat meta-universe social user interaction advantage is more obvious, and it is more like a combination of online social networking and offline social networking.

CloudChat will introduce human consciousness into the virtual world, convincing the brain in the virtual world he created. In this virtual world:

- Users/players can make their own image, height, body shape, appearance;
- User/player is the first point of view, there will be a feeling of being in it!
- Sight, hearing, touch, and smell are all present, which are almost the same as those in the real world.
- Users/players can engage in many types of activities, including playing games, shopping, eating, and dancing. They can also work, negotiate business, relax, hang out, do nothing, and even do things that cannot be achieved in the real world: Fly, teleport, etc.

In the later stage, CloudChat will provide social access chain travel ecology and immersive interactive travel experience for global users in the universe chain. The GameFi model will be introduced to allow the game to derive valuable investment from pure entertainment. In other words, games can also be real life, and any player can create value in the game, operate and use game items, and create valuable virtual worlds. By introducing GameFi mode, CloudChat will provide users with a more interesting and rewarding new chain travel experience. Create an amazing metaverse GameFi game value positive cycle system based on the community and player-owned economy.

Chapter 5: Token Economic Model

5.1 Economic model

We issued CC Token with various roles in governance and utility. CC Token will provide a value liquidity carrier for the platform ecology, social networking, mall, live broadcasting, metauniverse, and NFT and other assets that display and trade itself in the platform. By combining social networking, interaction, processes, data and things, the network connection will become more relevant and valuable.

- CC wallet system supports multi-currency and multi-language. Support BTC, LTC, ETH, ETC, USDT and other mainstream tokens, and support all tokens in the Ethereum ERC20 protocol format;
- CC software itself will establish its own token economic ecosystem, and can establish business relationships with multiple partners;
- CC Software will build its own NFT platform and invite partners to sell NFTs, and CC Token will be used as a handling fee for transactions and withdrawals;
- Use CC Token to enjoy discounts on commodity transactions.

In CloudChat, CC Token also does the following functions:

- The CC Token business model will serve as the governance mechanism of CloudChat, allowing stakeholders to have a direct say in the future decision-making power and direction of the project.
- CC Token will also provide staking income for holders, providing holders with the opportunity to earn exclusive NFT and APY in a passive manner.
- CC Token will be used as the transaction token and exchange for Metaverse NFT products, and CC Token can be used to pay and settle any NFT product directly on the platform.
- CC Token will be used as a transaction token for the products of the platform, and CC Token can be used directly for payment and exchange in each function/program section.

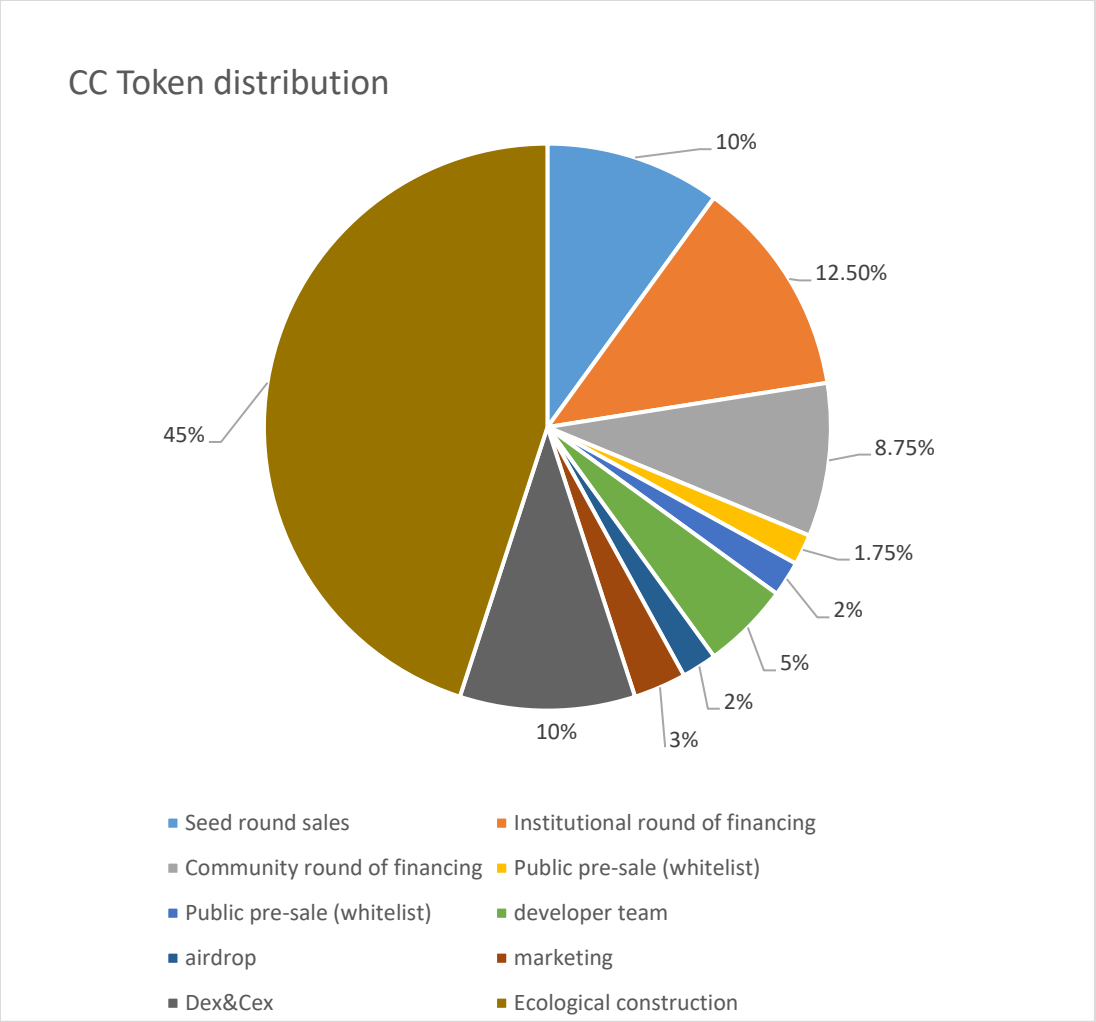
The CloudChat will eventually turn to community autonomy, and community-decentralized governance across the CC DAO will use CC Token certificates for on-chain parliamentary campaigns and voting, and to vote on proposals.

5.2 Tokenomics

Total CC Token supply: 10,000,000,000

Allocation plan:

Distribution	%	Tokens	Price	Vesting Period
Seed	10%	1,000,000,000	0.00018	12 months cliff, unlock 3.75% monthly for 12 months, then release 4.5% monthly for 12 months
Institutional round	12.5%	1,250,000,000	0.0002	12 months cliff, unlock 3.75% monthly for 12 months, then release 4.5% monthly for 12 months
Strategic round	8.75%	875,000,000	0.0002	2 months cliff, unlock 10 % monthly for 10 months
Public Sale (whitelist)	1.75%	175,000,000	0.00025	100 % at TGE
Public Sale	2%	200,000,000	0.00025	20 % at TGE, then unlock 20 % monthly for 4 months
Developer team	5%	500,000,000	-	23 months cliff, unlock 2.8 % monthly for 35 months then release 2 % for 1 month
Airdrop	2%	200,000,000	-	-
Marketing	3%	300,000,000	-	4 % at TGE, then unlock 4 % monthly for 24 months
Dex&Cex	10%	1,000,000,000	-	
Ecosystem	45%	4,500,000,000	-	



5.3 The CC Token value mapping is available

Holders of the CC Token have many interests in the CloudChat economy. At the same time, CloudChat is also creating more ecological incentive models around the world to drive the point-to-point value transfer under the digital development of everything, and expand the application boundary and technology boundary of blockchain technology, so that more users around the world can feel the value of Web3.0 social and NFT wealth benefits.

1) The underlying value of the CC Token

CC Token is a function similar to money. Generally speaking, money has four major functions: value storage, medium of exchange, unit of accounting, and deferred payment standards. In order to meet the above functions, CC Token has specifically designed the following features:

- Store of Value: A store of value refers to an asset that retains its value and does not depreciate significantly over time. CC Token is a payment medium designed to guarantee price stability and steady rise even in highly volatile markets.

- Medium of exchange: A medium of exchange refers to anything that represents a standard of value and is used to facilitate the sale, purchase, or exchange (transaction) of goods or services. In different types of transactions all over the world, CC Token can be used to complete transactions.

- Unit of Account: A unit of account is a standardized measure of value used to price goods and services. While CC Token has not yet become a standard measure of value outside the blockchain, it will act as a unit of account in CloudChat and some partner dApps.

2) The application value of the CC Token

Based on the basic function design of the CloudChat platform, we can clearly see that CC Token will play a large role in trading, payment and investment, and will also enter all aspects of all members of society in the future:

◎ trading field

- Users can trade with CC Token instead of fiat currency;

- Users can use CC Token to trade with other digital currencies instead of legal currency;

- Users can trade other digital currencies as CC Token to avoid the risk of price drop.

◎ Payment field

- Significant savings in payment time, especially in cross-border payments;

- Transaction records are stored on the blockchain for better tracking;

- Effectively reduce payment costs in cryptocurrency payment scenarios.

◎ Investment field

- Mortgage other encrypted assets to obtain CC Token for NFT investment and wealth management, and enjoy the double appreciation of assets;
- NFT transaction records are stored on the blockchain and cannot be tampered with, eliminating accounting disputes;
- Combine CC Token with IDO and LP pledge to increase revenue;
- Use CC Token features to develop NFT-based loans, derivatives, prediction markets and other long-term smart contracts that require price stability.

CloudChat can adapt to the diversified business needs and meet the data sharing in the cross-chain business chain, which means that the CloudChat public chain consensus underlying protocol has enough general and standard data recording methods, can represent a variety of structured and unstructured information, and can meet the cross-chain requirements required as the business scope expands. This provides a value basis for the versatility of the CC Token, allowing it to circulate more easily in all industries and scenarios around the world.

5.4 CC DAO model

We will create a transparent, intuitive, and sensible governance framework that ensures that there is no DAO network that any individual or group can control, and that actions in the best interests of the greater community will be rewarded. CloudChat is working tirelessly to find the right rules and mechanisms necessary to create such an unprecedented but vital governance system, ——CC DAO.

Under the leadership of DAO, CloudChat will achieve full decentralization and a high degree of community consensus. The CC Token token is used as the value circulation proof and incentive means, and then the smart contract is used to determine the member collaboration relationship and benefit distribution model. In the community ecology, all CC Token holders have the right to participate in the CloudChat. Under the basic principle of "one token, one vote", all community members should work together to build a scientific governance system to achieve DAO governance with goals, process and results. Different users may have different voting weights. Exchange addresses are unable to vote.

CC Token holders can participate in the following discussions on what benefits CloudChat:

- Community Development Matters
- Proposal on token economics
- Important model parameters of CloudChat
- CloudChat cooperation and development
- Marketing activities
- Exchange and cooperation
- Other matters related to marketing strategy

We will set up the CloudChat management Committee to be responsible for the advancement of various CloudChat affairs. CloudChat management committee members can not only contribute to the development of CloudChat, but also obtain

additional profits through the landing of the proposal. It consists of core members, committee members, DAO virtual asset holders, and DAO-decentralized identity holders. Any CloudChat related asset holder can initiate proposals and vote; CloudChat decision system only consent and disagree and requires a minority majority, anyone can submit a DAO application + referendum. This makes the community decision-making very direct and efficient. Proposal direction: ecological marketing, technology iteration, audit, air drop, funding, DAOVault management and other affairs.

◎ Member division

- Core members: CloudChat core initiators, technical contributors, etc.;
- CloudChat committee members: Early funded members of CloudChat can become one of the committees, with a limit of 20 members;
- Virtual asset holders: holding NFTs and CC Tokens above a certain amount, and meeting the requirements to become one of the proposers;
- DAO-Decentralized Identity Holders: Those who hold DAO-Decentralized Identity and make community contributions will vote to decide whether to become a proposer.

◎ vote:

- Users who hold NFTs can obtain voting rights by staking NFTs;
- Users who hold CC Tokens can obtain governance voting rights by staking;
- Users who hold NFTs for newly listed or pending projects can obtain voting rights by staking;
- Users who hold a DAO-decentralized identity can obtain voting rights;

Chapter 6: Global Team and Development Planning

6.1 Core team

The CC Token team has extensive experience in anonymous social networking, encrypted communications, and blockchain technology applications. Over the years, CC Token has built a variety of expressive Web applications under the social open source framework of blockchain encryption, and can operate consistently across all mainstream browsers and operating systems. In addition, with the development of blockchain technology, the CC team, as the earliest alliance organization to enter the distributed network application, has also gathered a large number of talents in the blockchain field and technology segmentation field. And lead the research and development and landing application of CC Token projects.

Adrian——Senior Consultant at MIT

C language experts, blockchain technology experts, long-term research on the application of blockchain technology in the financial field. It has carried out cross-platform transplantation and development and management of mining machine software for virtual currencies such as Bitcoin and ETH. He has rich experience in virtual digital currency wallet and virtual digital exchange technology architecture.

Stanford——Senior programmer

Graduated from California Institute of Technology, senior expert in blockchain technology application, expert in encryption social application. He has rich experience in big data parallel computing and distributed algorithm optimization, and has had in-depth research in blockchain, cryptography and data mining.

Theobald——Graduated from Harvard University

Good at intelligent voice technology, social network and traceability technology, Python, application development. In the field of intelligent interaction, he has more than 100 professional works and more than 80 core patents, and is also the drafters of several international standards. Dr. Cedric provides overall

consulting services for the project and provides strategic support to realize the implementation of CC Token applications.

Giles——Technical developer

Master of Computer Science from Harvard University, Python language expert, blockchain technology engineer. Its research involves data mining, artificial intelligence and algorithm optimization. Responsible for the construction and optimization of the AI algorithm of the project.

Hubery——Program developer

Senior engineer in blockchain technology application, with senior development experience in private social networks. With 15 years of Internet industry experience, proficient in a variety of computer languages, good at massive high-concurrent usable architecture design, with rich experience in R & D and management.

Jonny Wong——Graduated from Hong Kong University

Good at blockchain, encryption communication technology, long-term attention to the application of blockchain technology. Proficient in the principles and implementation of mainstream blockchain technologies such as Bitcoin, Ethereum and HyperLedger, and have a deep understanding and rich practice of blockchain consensus mechanism, smart contract, cross-chain technology, side chain technology, privacy protection, etc.

6.2 Investor protection and compliance

1）Investor protection

The CloudChat platform puts the interests of investors first, and makes the greatest efforts in the security protection of the underlying architecture and the screening of social mechanisms, striving to provide a very valuable Web3.0 ecology while protecting the security of investors' funds. In addition, the CloudChat will also set aside part of the tokens as an investor protection fund, in response to the various emergencies that affect investors' vital interests.

This part of the fund will continue to be frozen and only thawed and used in the following specific circumstances: If the functions involving funds launched in CloudChat is cleared by abnormal conditions, the investor protection fund will be started to give a certain proportion of compensation to users who buy and hold tokens within the function. If the property losses are caused by the users due to our own technical reasons (except for force majeure factors), we will start the investor protection fund to compensate a certain proportion of the users who suffer the losses.

The foundation will make decisions according to the characteristics of events, such as the degree of impact, the scope of impact, the amount of impact tokens and the probability of occurrence, and make decisions according to the priority. For the events with the highest priority, organize the relevant committees of the foundation to make decisions as soon as possible.

2) Compliance exploration

CloudChat has more than 60 security personnel, including a senior person assessing peripheral risks and a PhD in cryptography for cryptographic attack analysis. CloudChat also has nearly 100 compliance personnel, who comb through money laundering by checking transactions. In addition, the CloudChat has worked extensively with law enforcement. Follow strict authentication procedures to comply with regulations such as KYC (Understand customers) and AML (anti-money laundering), and to track and monitor crypto assets sent to and from their websites. The CloudChat also sends 1099-K reports to home country regulators for $20,000 or more or over 200 transactions in a year.

6.3 Global cooperation

In order to drive the increasing market value of CC Token tokens and the development of CloudChat platform users, we will achieve comprehensive publicity through community, media and exchange channels.

1) Community

As a community-driven social networking project, the CloudChat gene brings in decentralized values. At present, our partners are all over the world, especially in the community field, highly influential, and we will promote through the community channels.

2) Medium

With more CC Token tokens and CloudChat apps available, we will also launch in global media. Such as the Wall Street Journal, Yahoo Finance, Google News, Meta, Bloomberg, Golden Finance, non-small, coin hu, coin world, Mars Finance, Babbitt and so on.

3) Star partner

To help secure CloudChat, we have recruited a group of All-star partners from metaverse, games, crypto asset transactions, and NFT, as verifiers of our network.

4) Exchange

Once CC Token is listed, it will be launched on the global mainstream exchanges, and will continue to launch the global mainstream exchanges, including Coinbase, Huobi, OKX, etc. As CC Token continues to launch on the major exchanges around the world, so as to promote CC Token to become 10,000 times currency.

In the future, CloudChat is determined to in the community, media, exchange, investment partners of support, to develop more Web3.0 based social ecology and CC Token value model, together with global users to create brilliant, continue to improve all global users based on blockchain technology of anonymous mapping communication network and encryption social platform construction and DAO community value consensus.

6.4 Development planning

Q2 2022

- Official website, white paper 1.0
- CC official wallet released
- Private placement & pre-sale

- PancakeSwap goes live

Q3 2022

- Website Optimization & White Paper 2.0 Release
- Token cross-link certificate issuance
- CloudChat ecological expansion
- Centralized exchange goes live

Q4 2022

- White Paper 3.0 published
- DAO governance is advancing
- Decentralized financial products went online
- The CloudChat ecology continues to expand

More

- The CC public chain goes online
- The CC will have infinite possibilities

Chapter 7: Disclaimer

Nothing in this White Paper constitutes legal, financial, commercial, or tax advice, and you should consult your own legal, financial, business, or other professional advisor before participating in any activities related thereto. The platform staff, project R & D team members, third-party R & D organizations, and service providers shall not be liable for the direct or indirect damage and losses that may be caused by the use of this White Paper.

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or will not constitute any offer from the Platform, distributors, and any sales team (as defined herein in this Agreement), nor may the White Paper be the basis on which any contractual and investment decisions are made.

CloudChat hereby expressly denies and refuses to accept liability for:

- No one shall violate any country's anti-money laundering, anti-terrorist financing or other regulatory requirements when exchanging CC Tokens;
- When purchasing CC Token, any person shall not violate any representations, warranties, obligations, commitments or other requirements stipulated in this white paper, and the resulting inability to use or withdraw the tokens;
- For any reason, the CC Token swap plan was abandoned;
- The development of CloudChat failed or was abandoned, and the resulting failure to deliver or use CC Token;
- Delays or delays in the development of CloudChat and the resulting failure to meet the previously disclosed schedule;
- Errors, flaws, defects or other problems with the CloudChat source code;
- Failure, crash, paralysis, rollback or hard fork of CloudChat;
- CC Token fails to achieve any specific function or is not suitable for any specific purpose;
- Failure to disclose information about the development of the CloudChat project in a timely and complete manner;
- Any participant leaks, loses or damages the wallet private key of CC Token;
- breach of contract, violation, infringement, collapse, paralysis, termination or suspension of services, fraud, misuse, misconduct, error, negligence, bankruptcy, liquidation, dissolution or closure of the third-party distribution platform;
- There is a difference, conflict or contradiction between the content of the agreement between anyone and the third-party platform and the content of

this white paper;

- Anyone's trading or speculation on CC Token;
- Listing, suspension or delisting of CC Token on any trading platform;
- CC Token is classified or deemed to be a currency, securities, commercial paper, negotiable instrument, investment product or other thing by any government, quasi-government agency, competent authority or public body so that it is prohibited, regulated or restricted by law ;
- Any risk factors disclosed in this white paper, as well as any damages, losses, claims, liabilities, penalties, costs or other negative effects caused or consequential in connection with such risk factors.

All statements, press releases and publicly accessible statements contained in this white paper and oral statements that may be made by the Platform and the CC team may constitute forward-looking statements (including relevant statements of intent and confidence and expectations regarding current market conditions, business strategies and plans, financial position, specific provisions, and risk management decisions, etc.).

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