OpenChat

Encrypted social applications based on blockchain technology

OPEN Network Foundation LTD

Version V1.0 EN / 2023

1.Summary

With the progress of technology, the application scenarios of social communication software are also increasing. From the early days, the life communication only by letter, but today,we have email, SMS, phone communication,and the social software such as Twitter, Facebook, Telegram, WhatsApp, Weibo, WeChat, QQ, forum space, etc, to becoming the mainstream. The increasing number of communication methods among people has led to an increasing demand for communication efficiency.

In the social field, blockchain technology can protect user privacy. The personal information of users can be encrypted and stored on the blockchain, and only users can access this data, preventing data leakage and abuse by themselves. In addition, blockchain technology also could solve trust issues in the social domain, improve the efficiency and security of transactions in social interactions.

OpenChat is a global encrypted communication application that emphasizes privacy and security. It uses blockchain technology to protect user data, such as end-to-end information encryption, blockchain anti tampering, distributed storage to ensure information security, etc. It provides higher security and privacy protection, ensuring that user personal information and chat records are not stolen or tampered with, and comprehensively guaranteeing user freedom to socialize.

OpenChat aims to provide a one-stop service platform for global blockchain users, including social networking, community, sharing, exchange, payment, finance, business, information, gaming, entertainment, etc. It fully connects blockchain enthusiasts and explores ecological applications in the blockchain field, achieving a new intelligent ecosystem with the aim of implementing blockchain applications, opening up a new ecological traffic pool, and enjoying the traffic dividends of the new era.

Catalog

2. Background of Project

2.1 The era of blockchain economy

In recent years, with the rapid development of technologies such as blockchain, artificial intelligence, and big data, many businesses have hoped to use emerging technologies to open up new ecological traffic pools and enjoy the traffic dividends of the new era. As well known, traffic is a core value-added asset for the commercial ecosystem and an important indicator for improving economic efficiency. Even with the explosion of blockchain trends, traffic remains a fundamental element of its development and the value core of blockchain business restructuring.

Blockchain Era 1.0: Digital Currency

The emergence of programmable currencies has made it possible for the internet to transmit value. At this stage, blockchain builds a decentralized digital payment system with underlying technologies, enabling anytime and anywhere currency transactions, barrier free cross-border payments, and a decentralized system for low-cost operations.

In the blockchain era 1.0, the emergence and development of digital currencies such as Bitcoin have strongly impacted the traditional financial system.

Blockchain Era 2.0: Smart Contracts

The application scope of smart contracts extends beyond the field of digital currency, to financial transactions, public records, credit certification, physical assets, etc. By utilizing blockchain technology to establish smart contracts on the Internet, algorithms are used to replace traditional contracts.

Smart contracts are carried out through the trust mechanism of blockchain, which records, tracks, and monitors the attributes and changes of assets through the use of blockchain. They are programmed to be recorded on the blockchain, so any asset can be registered on the blockchain and transformed into a smart asset.

Blockchain Era 3.0: Industrial Blockchain

The distributed architecture and transparency of Web3.0 are applied in fields such as social communication, commercial finance, Internet of Things, supply chain, notarization and auditing, and medical communication.

Blockchain enables all people and machines to connect to a global network. The sharing economy based on blockchain will replace the existing economic model, characterized by large-scale DAPP applications, forming a basic chain underlying platform that can be applied to vertical fields. It truly promotes the direct user orientation of blockchain, realizes the application and construction of the business ecosystem at the blockchain level, and thus reconstructs global commerce, Reshape the global economic landscape.

At present, the digital economy is growing rapidly and gradually penetrating into other economic fields, which may change the existing economic development mode. Blockchain technology is gradually differentiating into two main application directions:

1. Encrypted blockchain

In recent years, the cryptocurrency field supported by blockchain technology has developed rapidly, with more and more currencies and a higher market value.

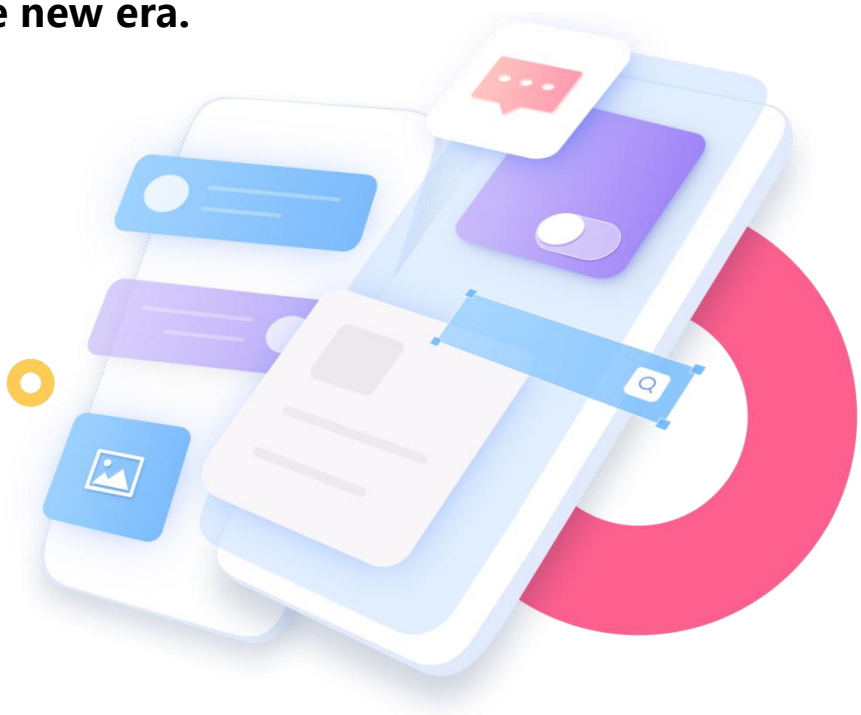
2. Industrial Blockchain

Applying blockchain technology to the physical industry, promoting the upgrading of traditional industries with blockchain technology, and further improving social production efficiency.

Industrial blockchain is the 3.0 stage of blockchain development, which refers to the combination of blockchain technology with digital tokens, commerce, transactions, etc., similar to the concept of industrial internet.

Nowadays, industrial blockchain, as a key direction for independent innovation and breakthrough in the new generation of information technology, contains huge innovation space and economic growth. Many fields such as social, financial, commercial, gaming, and entertainment services can become application scenarios for blockchain.

OpenChat is an encrypted communication application based on blockchain technology. As a participant and promoter of industrial blockchain, driven by encrypted social media, OpenChat reconstructs the ecosystem of large-scale commercial traffic landing, opens up a decentralized new ecological traffic pool, and enjoys the traffic dividends of the new era.



2.2 The core values of Web3.0

Web3.0 is a new stage of internet development, a decentralized world.

The value of the Internet ultimately belongs to users, making everyone's lives more convenient by web 3.0. And blockchain technology has become the most powerful driving force of Web3.0 due to its characteristics of distributed storage, immutability, information encryption, and data rights certification.

The emergence of token economy and digital assets also allows users to participate in voting and dividends, achieving a positive interaction between developers and users. Consumer are both users, creators, and maintainers, and this behavior can be understood as an open network, which is an important part of the development of Web 3.0.

With the rapid development of blockchain technology, its application scenarios have also been continuously expanded. From initially being applied solely in the cryptocurrency field, to reshaping the supply chain, logistics chain, and value chain, the idea of decentralization, immutability, and distribution has also sparked people's thinking about the development trend of the Internet. Gavin Wood, the founder of Ethereum, proposed the concept of Web3.0 based on blockchain technology,

Opened a new exploration for the next round of internet development.

Web3.0 is the evolution of the next-generation internet form with blockchain and other technologies as its core, committed to building a decentralized and user led internet world. The goal is to return power and control to users, eliminate monopolies of centralized institutions, and achieve a more fair, transparent, and secure internet experience.

● Web3 is the future trend of digital economy development and the best embodiment of value internet development

Web3.0 is a value internet ecosystem established based on blockchain technology, with the characteristics of decentralized blockchain and distributed sharing and co construction; In addition, by combining technologies such as 5G, artificial intelligence, cloud computing, VR/AR, etc., it helps to achieve faster and more direct data computation and form presentation.

● A broad ecosystem will bring more innovation in business models and investment opportunities

The Web3.0 application layer Dapps will correspond to existing applications in Web2.0, bringing innovation to search, social, e-commerce, and reshaping the existing business forms under

Web2.0. At the same time, the emergence of a series of innovative concepts and applications such as NFT, GameFi, DeFi, DAO, etc. will place greater emphasis on user participation in data autonomy.

●Web 3.0 era: openness, privacy, and co-construction

Web3.0 will subvert the Web 2.0 internet from three perspectives: openness, privacy, and co construction, creating a decentralized world led by user communities, and reconstructing the paradigm of internet traffic value.

In the era of Web 2.0, with internet giants at the core, multiple ecosystems are formed. Core internet companies have monopolies over data, value, and network effects, and there are strong barriers between the ecosystems. The most important resource for the internet world to compete for is traffic entry (user attention and capital flow).

All of this will undergo profound changes in the era of Web 3.0:

The Web3.0 will be fully open, and user behavior in it will not be restricted by ecological isolation. It can even be considered that users can freely navigate the Web3 world (based on basic logic);

User data privacy will be fully protected through encryption algorithms and distributed storage methods; In the Web3, content and applications will be created and led by users, fully

realizing the value of user co construction, co governance, and shared platforms.

- **Openness manifestation:** Users have full freedom and low entry barriers in a certain field of internet applications;

User behavior is not restricted by third parties, and internet applications break the boundaries of the original so-called intra - and inter ecological boundaries, resulting in a high degree of combination and complexity between applications; Under the combination of synthetic assets, NFTs, etc., traditional world wealth can even be integrated into Web3.0 without permission or delivery.

In addition, within Web3.0, applications based on different infrastructure can be interconnected through cross chain protocols.

- **Privacy reflection:** Data ownership belongs to the user, and value transfer does not require third-party authorization.

- **Co-construction:** The content creation of users in Web2.0 Internet applications is limited in many aspects (limited by platform audit, cross-platform restrictions), and the restrictions on community governance are even more severe, which also limits the value capture of users in the economic sharing of creators. Web3.0 will break down these limitations while blockchain's token incentives effectively feed the value of the content economy back to creators. Another aspect of co-construction and sharing is co-governance, that is, DAO.

◆ **New traffic paradigm:** Web3.0 will not simply compete for user attention and capital flow entry. Due to the complexity of protocols and the openness of user login, the number of protocol calls is often more important. At the same time, the rise of Sandbox, Roblox, and Minecraft has shown the market an upscaling from 2D to 3D, providing not only more three-dimensional display effects but also more social space.

2.3 Blockchain encrypted social communication

Encrypted communication social applications combined with blockchain technology can encrypt chat data to prevent leakage. As long as important personal information is on the chain, it can be ensured that it will never be lost and has good confidentiality.

Blockchain socialization mainly addresses two needs:

① Privacy and security requirements in end-to-end instant messaging processes;

② Ownership and certification of information produced on social media platforms.

A. Distributed ledger

A database shared, replicated, and synchronized among network node members through timestamps and digital signatures.

B. Smart contracts

Support multi-network, multi-program, multi-language, multi-scenario online call, editing, debugging smart contract, quickly and safely realize the contract function.

C. End-to-end Encryption

The encryption of messages sent by users is completed on the client, transmitted to the server in encrypted form, if the user has the permission to view the message, and decrypted in real time at the receiving end.

D. Cross-chain interoperability

Utilize the Internet Chain architecture, consensus mechanism, transmission protocol, and privacy protection mechanism to achieve interconnection and interoperability between independent blockchains.

2.3.1 Industry pain points

Existing solutions are fragmented, disconnected, and untrustworthy, centralized service networks that can easily be disabled or monitored. This has also created new opportunities for improved programmes to enhance trust and global connectivity. There is a growing desire for decentralized communication tools that can truly provide an interconnected network to anyone, anywhere in the world. They can freely discuss, share information and transfer data without being hacked or exposed to others.

There are many urgent problems that need to be solved in the traditional social industry, such as platform information leakage, lack of protection of user privacy, and high connection costs for users. Facebook has experienced multiple incidents of user information leakage. Although WeChat can provide convenient services, information will be reviewed by relevant agencies such as the government. Throughout the global market, there is currently a lack of a product that can fully address pain points such as user privacy.

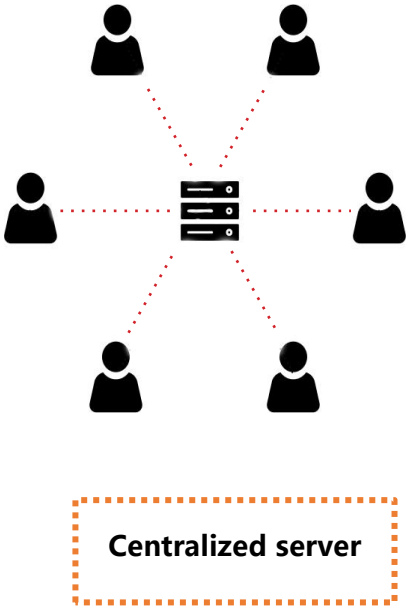
A. **Privacy is not protected:** the existing social communication system uses the central server, and the user's personal information and privacy have security defects.

B. **Data information leakage:** the communication system based on the central server is easy to be regulated, shielded, leaked and stolen, and users do not have the ownership of their own data.

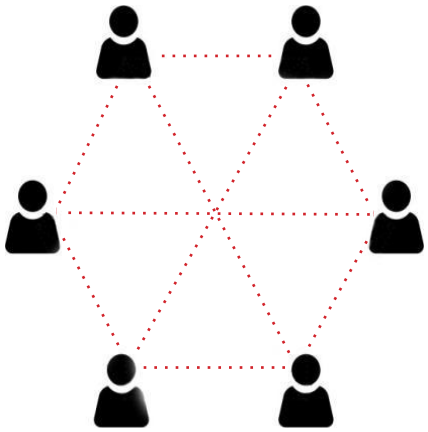
C. **No real freedom of speech:** the centralized platform operates secretly, blocks users at will, and handles user accounts and content at will without any reason, while users have nowhere to defend their rights, and users cannot truly obtain freedom of speech.

2.3.2 Solution

Blockchain is an integrated application of distributed data storage, peer-to-peer transmission, consensus mechanisms, encryption algorithms, and other technologies; The new application of decentralized blockchain networks in the field of communication can completely change the channels of information transmission, fundamentally solving the path security problem of information transmission. Blockchain technology has opened a door for the change of future communication information transmission modes.



Centralized server



Decentralized

◆ **Security: Centralized servers and decentralized network technology assist in security protection**

Traditionally, communication platforms rely on a centralized server to process information and store data exchange between customers. However, based on blockchain decentralized networks, information is no longer centrally stored in a single location. Therefore, network hackers cannot steal a large amount of user data at once. Because cybercriminals can no longer control the entire system by infiltrating a single central server. Furthermore, it is extremely difficult for hackers or other cybercriminals to erase, modify, migrate information from the blockchain to another location, or interfere with the entire system in any other way.

The immutable consensus technology used by decentralized systems creates a transparent and secure framework with a wide range of application scenarios.

- **Decentralization: Blockchain distributed ledger supporting secure communication.**

Through blockchain distributed ledgers, users can securely and directly communicate with each other and engage in social activities without relying on any media or worrying about privacy protection issues. A decentralized blockchain network can provide people with peace of mind in an environment lacking information, bringing transparent, consensus, and anti-interference transaction records through distributed ledgers. Every transaction "block" needs to be authenticated by the entire system, and can be connected to the "chain" without tampering, thus possessing unparalleled security and traceability.

- **Return the freedom right to the user**

Especially in this era, content is no longer generated by professional websites or specific groups, but is the result of the collective participation and creation of all netizens. Anyone can express their opinions or create original content online to produce the information they need.

A globalized and decentralized community can help people communicate better with each other, allowing anyone to freely communicate on this network without worrying about personal information leakage.

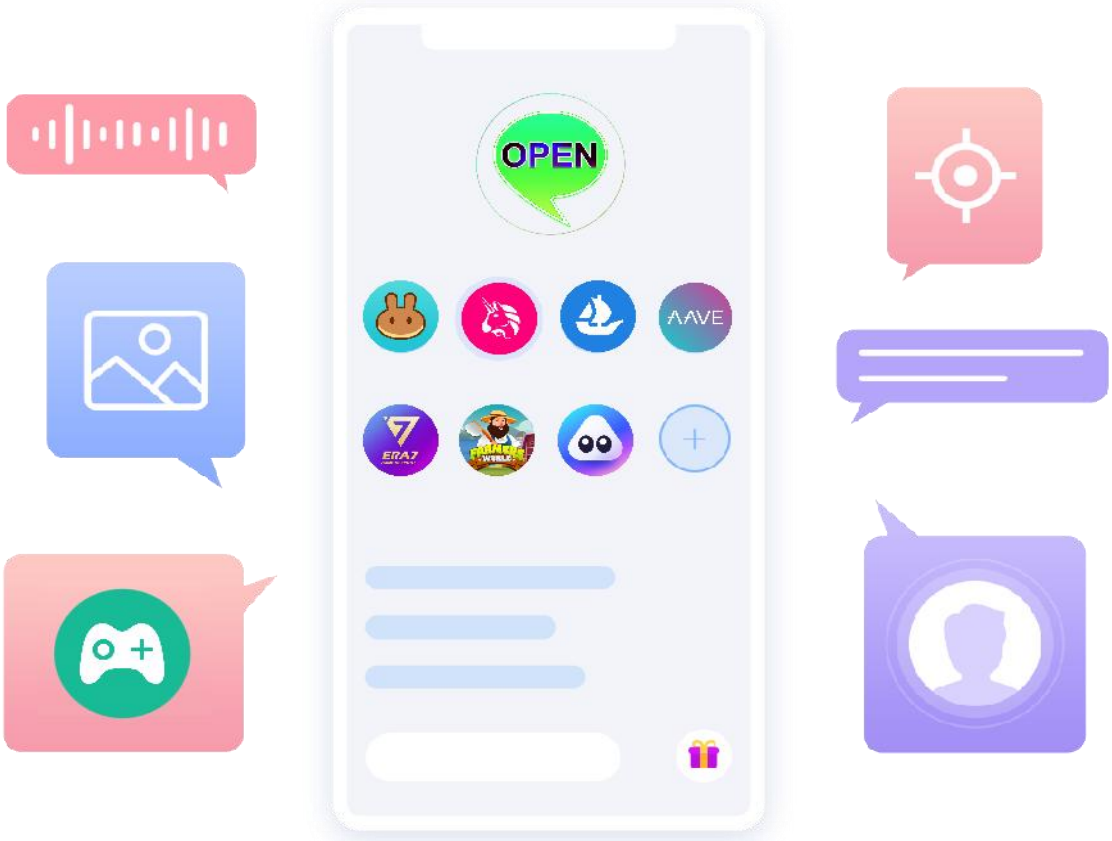
The demand for decentralized and unbreakable networks for secure communication is becoming increasingly strong. When people are connected, they can freely and safely share their true thoughts and establish meaningful relationships.

So blockchain instant social communication will emerge.

In the future, socialization and finance are closely linked, and based on the encryption technology of blockchain, all the information and data of users are in their own hands. Future socialization can create social services, financial services and encryption services for users, and provide a safe, fast, simple and open social ecosystem. Users only need one social application to use on a global scale.

OpenChat provides some special features through blockchain technology to encrypt and store data on a decentralized blockchain network, thus avoiding the typical centralized data storage problem of most traditional chat applications.

OpenChat uses smart contracts to control user data privacy and provides users with a publicly transparent and traceable data storage structure, allowing OpenChat applications to maintain transparency and credibility while protecting user privacy.



3.Overview of OpenChat

3.1 About OpenChat

OpenChat is an encrypted social application platform based on blockchain technology, using a peer-to-peer encrypted communication method, aiming to provide users with a safer, more private and more free chat experience.

OpenChat is committed to promoting the application ecosystem of Web3 technology and cryptocurrency in social networking, gaming, finance and other fields, establishing an open, free and decentralized global "value Internet" social ecosystem, realizing a direct communication platform between people and value, and providing a driving force for the sustainable development of digital economy and social innovation.

OpenChat include **Open Messenger**, **Open Wallet**, etc. Among them, OpenChat Messenger is an encrypted chat application based on blockchain technology, providing features such as security, anonymity, decentralization, etc. It can achieve peer-to-peer data transmission and value exchange between users, and also has social, gaming and other functions.

Open Wallet is a decentralized crypto digital asset multi-chain wallet that supports multiple digital currency storage and trading to ensure the safety of users' digital assets.

3.2 OpenChat Vision

OpenChat Vision is to build a connectivity network world, using the power of block chain, is committed to become the birthplace of innovative technology, innovation, realize a technology development, application promotion, financial transactions complete ecological closed loop, build a new social system of digital life space, can assign a new generation of economic system and digital industry system.

OpenChat Through its perfect ecosystem, build an open, free and safe digital asset ecosystem, so that everyone has

their own data and VID identity, so that everyone can freely participate in social activities and exchange value.

At the same time, OpenChat is also committed to promoting the popularization and application of blockchain technology, and contributing to the stability and sustainable development of the blockchain ecosystem.

◆**OpenChat Will create a new social space;**

Build a new economic system in which users and builders share property rights.

◆**OpenChat Will create a new digital space;**

Build the integrated development of value Internet and digital economy.

OpenChat It will change the way we live, give us more freedom and flexibility, and enable us to get deeper into the digital world and connect us with people around the world.

In our vision, OpenChat is a social traffic ecosystem, bringing together all the blockchain enthusiasts, gathering all the blockchain power to serve the industry, and jointly promoting the development of Web3. We will build an interconnected, open, free and credible digital economic world, and jointly explore, create and enjoy the beauty of this digital era.

3.3 OpenChat Technology and Core

OpenChat uses blockchain technology and decentralized design to provide users with a very powerful, secure and private chat platform. Support 100,000 community online communication, make the development and management of the community more convenient, make the chat more interesting and convenient.

The following are the technologies adopted by OpenChat:

Blockchain technology: OpenChat uses hash functions to ensure the integrity and confidentiality of data. Through blockchain technology, OpenChat achieves the storage and management of user data without being subjected to centralized management attacks and eavesdropping, ensuring the security of user data.

- **Decentralized technology:** OpenChat is developed using blockchain technology, the platform is composed of multiple network nodes, and the operation is completely decentralized, thus reducing the risk of a single node and ensuring the openness and transparency of information.

- **Bottom end architecture:** OpenChat uses an efficient and reliable back-end architecture, which supports the fast and

stable processing of chat and transactions and other tasks, ensuring the user experience while having higher security and reliability.

- **P2P network technology:** P2P network technology can break the traditional centralized chat system. Through peer-to-peer connections, this technology can encrypt user chat information and save it between multiple nodes, ensuring the security and privacy of chat information.

- **End-to-end encryption technology:** OpenChat adopts cryptography and end-to-end encryption technology to ensure that only the sending and receiving parties can read the chat information, and the third party cannot obtain the chat information.

- **Smart Contract:** Smart contracts are automated contracts executed on the blockchain. OpenChat uses smart contracts as a management tool to automatically execute programs through smart contracts, ensuring the privacy and security of user data, and ensuring the fairness, transparency, and credibility of the program.

- **Distributed data storage:** The chat data and status data of OpenChat are distributed in decentralized network nodes, thus realizing decentralized data storage and improving data security and reliability.

- **Decentralized authentication:** OpenChat has built a decentralized identity, taking the blockchain address as the expression of OpenChat's user identity, and ensuring data security and user privacy during the authentication process by adopting the decentralized authentication mechanism.

OpenChat social network is a new social paradigm, through the integration and innovation of the above technologies, can provide a more secure and decentralized chat platform, so that users can freely communicate without worrying about chat records being stolen or tracked.

At the same time, OpenChat ensures the fairness, transparency and trust of the platform to provide users with a better social experience.

3.4 OpenChat feature attributes

The goal of OpenChat is to achieve a more open and trustworthy value internet era. By using blockchain technology to return ownership and control of internet data to users, we aim to create a user led, decentralized, open collaboration, and privacy protected digital economy ecosystem.

- **Socialism**

In OpenChat, social communication is a very important basic component. Through OpenChat, decentralized identity VID is obtained, allowing everyone to freely participate in social activities, exchange value and create value.

- **Identity (VID)**

OPEN VID is the identity of the OPEN community and the proof of value in the era of digital economy. It is also the key to unlock various functions and applications. It will be widely used in the entire decentralized ecosystem and become the trusted digital identity ID of the decentralized Internet.

- **Diversification**

OpenChat offers a variety of diverse application scenarios, such as social gaming, commercial finance, content ecology, and more.

- **Creativity**

OpenChat is an open digital space that is characterized by scalability, openness, and fairness. Everyone can participate in the construction of the Open ecosystem and create content and value through OpenChat.

- **DAO**

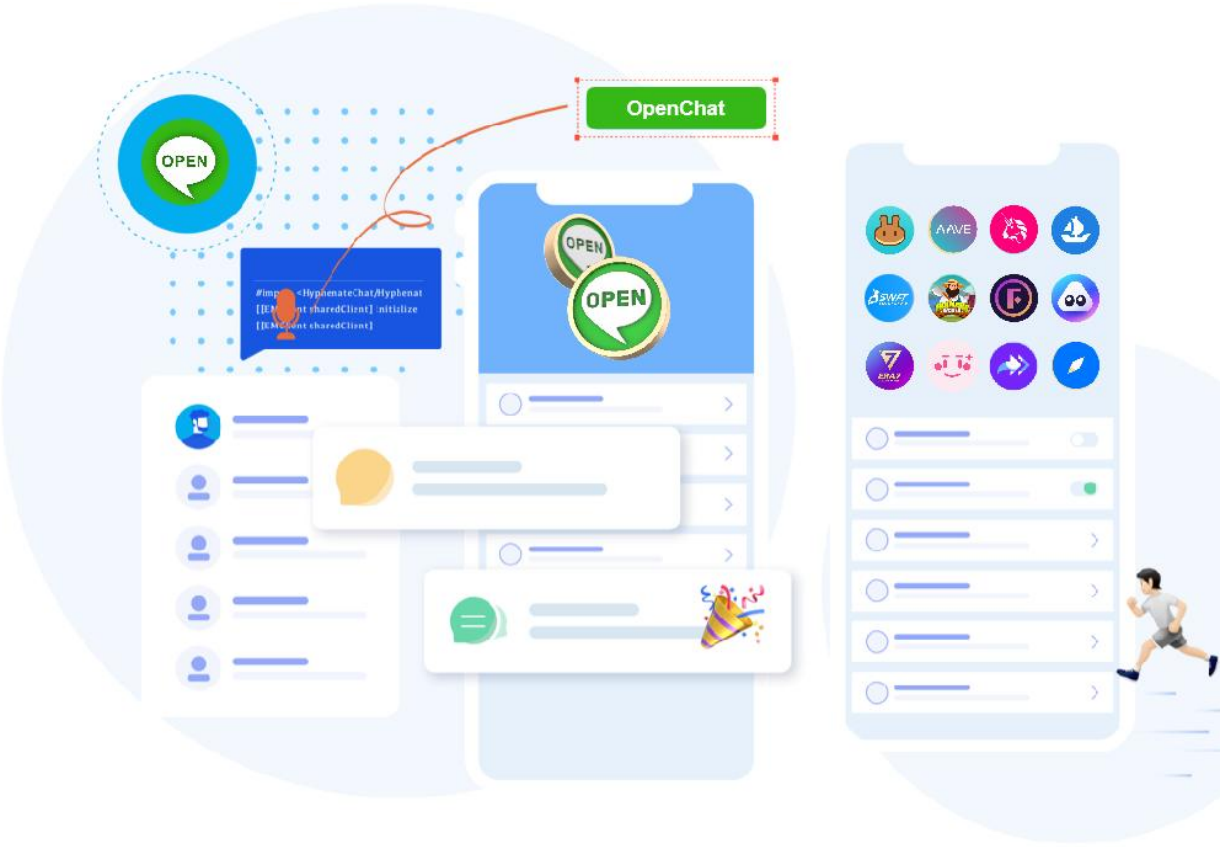
The **OpenChat** system will present a form of co creation, sharing, and autonomy, originating from the core concepts of Web3's "group consensus" and "community governance". It has the power of community governance, enabling more diversified creation and multi scenario applications for the world of We3.0, that is, participants jointly create value and realize value;

OpenChat supports community autonomy, allowing users to participate in voting governance and operational development of major platform decisions by holding OPEN tokens for voting.

- **Scenarioization**

When the richness of the OpenChat ecological scene reaches a certain scale, it will evolve into a digital economy society, realizing the interconnection of all things and ecological sharing.

All activities and interactions in OpenChat are implemented through Web3 applications, enabling value creation, distribution, and circulation through Web3 interactions, ultimately building a dynamic Web3 world.



3.5 Advantages and Characteristics of OpenChat

OpenChat is a global encrypted communication application that emphasizes speed and security. It uses blockchain technology to protect user data, such as end-to-end information encryption, blockchain tamper prevention, and distributed storage to ensure information security. It provides higher security and privacy protection, ensuring that users' personal information and chat records are not stolen or tampered with.

- **Social security and privacy:**

OpenChat uses a peer-to-peer encrypted communication mode. Users can ensure that their messages can only be read by both the sender and the receiver, and will not be stolen or monitored by any third party. It supports self-destruct messages, anonymous chat and other functions, so that users' privacy is fully protected.

- **Efficient and fast chat:**

OpenChat is fast, secure, and free. It can send an unlimited number of messages, photos, videos, and any type of document, with a user-friendly interface. It can also support groups of 100000 people and create channels to broadcast messages to an unlimited number of subscribers.

Simultaneously supporting replies, mentions, and tags to help maintain order and maintain effective communication in large communities.

- **Open community dynamics:**

OpenChat is Open to global users, with a wealth of community news, events and resources, allowing users to freely communicate and interact with other people with common interests, and create their own themed communities, the Open community will be one of the largest communities in the world.

- **Network Features:**

OpenChat builds a new economic system where users and builders share property rights, which is an imaginative and creative network form driven by creators to create, govern, and share a new digital world.

- **Economic characteristics:**

OpenChat will reshape a new form of digital economy that deeply integrates the real economy and digital economy; OPEN endows a more free and flexible value allocation model, allowing ecological builders, content providers, and community

participants to participate more in value allocation, promoting value circulation through the creator economy model.

- **Content Features:**

The content system of OpenChat mainly covers two types:

One type is the three-dimensional presentation of traditional content such as social, entertainment, gaming, finance and business;

One type is the further integration of cultural and creative industries in OpenChat, which enhances users' sense of realism and content immersion, greatly expanding and enriching the content system of OpenChat.

4.OpenChat ecological layout

OpenChat is based on the Web3 ecological value platform, comprehensively laying out diversified business in the industrial Internet, building a huge traffic entrance through social infrastructure and content ecology, and creating a new generation of digital economy society in the fields of encrypted social, digital finance, digital identity, and business.

▶ Technical infrastructure

OpenChat focuses on exploring the underlying technologies of blockchain technology and digital economy innovation, decentralized data storage, cloud computing, smart contracts, artificial intelligence, network security, and other fields, building creative and practical applications.

▶ Financial infrastructure

OpenChat financial infrastructure provides necessary support for financial systems in the Web3. Require the development of secure, efficient, and creative projects based on blockchain and related technologies, in order to contribute to the sustainable development of the Web3 financial ecosystem.

▶ Application Ecological Construction:

Excellent developers around the world are invited to use the technical characteristics of blockchain to build native Web3 applications into more valuable Web3 creative applications, build creative applications, enhance user experience, and bring more vitality to the Web3 world.

▶ Open API interface

The Open API provides a complete set of APIs and development frameworks for third parties, supporting anyone to develop customized business use cases and applications, providing developers with extensible contract templates, improving the usability of Web3, developing flexible one click deployment environments, etc., building the usability of Web3, and integrating it into the OpenChat ecosystem.

5. OpenChat ecosystem application

OpenChat has a decentralized economic system and digital ecosystem to build open multiple application scenarios and create a new generation of industrial Internet in the field of digital economy.

OpenChat provides a more flexible and free value allocation model, allowing ecological builders, content providers, and community participants to participate more in value allocation, promoting new forms of digital economy through the creator economy model.

◆OPEN Messenger

OPEN Messenger is a blockchain based encrypted chat application that provides a highly secure communication environment, returning ownership and practicality of social data privacy to users while bringing a more open and free social ecosystem to all users, enabling us to better connect to every corner of the world, and also providing new impetus for digital economy and social innovation.

◆OPEN Wallet

OPEN Wallet is a multi chain wallet based on blockchain technology that encrypts digital assets. Users have complete control and provide more secure and convenient digital asset

management and application services through security mechanisms such as private keys and mnemonics.

◆OPEN Swap

OPEN Swap Based on the decentralized liquidity agreement, it aims to provide safe and transparent DEX services for OPEN system, and is committed to the ecological platforms such as liquidity mining, decentralized transactions and pledge lending created by OPEN community users.

◆OPEN Game

OPEN Game is a gamified financial model based on blockchain technology and cryptocurrency, providing users with more interesting and personalized financial products and services, creating an extremely open and diversified GameFi ecological civilization. In the future digital world, Opent GameFi will play an increasingly important role, becoming a more personalized and interesting financial experience for global users, and also an important part of the new digital economy.

◆OPEN DeFi

OPEN DeFi creates a decentralized and transparent financial transaction protocol through decentralization and smart contracts, aiming to create a decentralized financial service that allows everyone to engage in financial activities anytime, anywhere.

The Open DeFi system is a decentralized open source protocol that supports a wider user base. Anyone can build new financial products and transactions on the protocol, making it a truly open and accessible financial system. A rich underlying infrastructure has been built in areas such as decentralized transactions, cross chain encrypted assets, and financial lending, laying a solid foundation for the subsequent development of Web3 and the metaverse.

◆OPEN Web3

As an open, secure, and professional decentralized Web3 application service store, Open Web3 integrates high-quality and comprehensive blockchain projects, investment institutions, and related blockchain service institutions. With its unique social interaction mode, it provides new financial services for both investment and financing parties, aiming to create a complete and efficient Web3 ecological economic circle.

◆OPEN New Media

OPEN New Media is a new media communication platform based on Web3, from the aspects of content creation, content dissemination and communication experience. Let the user thinking and pan-entertainment, as well as technology development immersive, interactive, personalized, gamified, spatio-temporal expansion and virtual-real integration further promote the jump in the experience of new media audiences.

OpenChat builds a new generation of internet ecosystem through Web3 technology, creating a trustworthy service system for managing, serving, and adding value to digital assets.

OpenChat is the future direction of financial development, and we use trusted identities and assets to connect the on chain digital world and the real business world, accelerating global economic development through new community economic influence.

In the future, OpenChat will evolve into a highly scalable, extremely open co-construction world, jointly built by builders in multiple fields, and presented as a super-large digital application ecology of the Internet space, through the new community economic impact to accelerate global economic development.

6.OpenChat development plan

◆ **Expand user base:**

OpenChat comprehensively carries out promotional activities, expands user base, builds brand recognition through promotion and marketing, and attracts global talents to participate in community and ecological construction through incentive plans.

◆ **Enrich the scene content:**

OpenChat creates an open ecosystem for developers, content creators, and users worldwide. Through a comprehensive ecosystem, it introduces more business partners and builds more diverse ecological application scenarios to increase user engagement and stickiness, jointly creating a more robust and efficient ecosystem.

◆ **Expand operational cooperation:**

OpenChat fully supports developers to deploy application scenarios in Web3 environments through its open API interfaces. It will work closely with more third parties to achieve heterogeneous scene integration and common development, attract more users to enter OpenChat, and empower a new ecological business system.

◆ **Global Development Layout:**

OpenChat establishes a global blockchain encrypted social platform through comprehensive social content and diverse ecological scenarios. Committed to promoting the global development of the digital industry, comprehensively leading digital finance, achieving open and free "cross chain payment" services, establishing OpenChat as a leader and innovator in the Web3 field, and ushering in a new era of digital economy society and traffic sharing.

Conclusion:

OpenChat builds a new generation of open social application platform through blockchain technology, links the connection between the digital world and the real business world through the credible decentralized identity, and accelerates the development of global economy through the new influence of community economy.

7. OPEN Economic Model

OPEN Network is a trusted digital identity token built on the basis of Web3 social network protocol, serving the future "crypto digital economy society", and is also the router and pass in the era of digital economy.

OPEN is the core token of the OpenChat platform's economic ecosystem, aimed at providing driving force for the OPEN ecosystem. It plays a role in community governance, economic mechanisms, and payment services, encouraging users to actively participate in community construction and governance, and promoting the ecological development of the OpenChat platform.

Token Name: **OPEN Network**

Token abbreviation: **OPEN**

Total issuance: **21,000,000 OPEN**

Economic model: **Obtain Gas fuel for mining by burning and destroying OPEN;**

OPEN function: **Committed to OPEN the ecosystem to provide driving force, to build the passport of the digital economy era;**

7.1 OPEN Application Value

As the core value currency of **OpenChat**, OPEN is an important hub supporting the ecosystem and plays the role of incentive mechanism and economic incentive. With the development of OpenChat system, more and more ecological application scenarios will appear.

◆ **Fuel value:**

OPEN is used as fuel in the economic system, and the OPEN is destroyed by burning to obtain Gas fuel for mining;

◆ **Equity value:**

OPEN holders enjoy the corresponding rights and interests of the OpenChat ecosystem, including community governance, project proposals, and ecosystem development;

◆ **Application value:**

OPEN is a value behavior token within the OpenChat ecosystem. Applied to all consumption scenarios of the OPEN ecosystem, including payment services, financial services, game consumption, advertising business, etc;

8. About us

OpenChat is headquartered in Colorado, USA and consists of geeks from various fields around the world, including experts in blockchain encryption technology, artificial intelligence AI, distributed storage, and other fields;

Committed to promoting the application and popularization of Web3 technology and cryptocurrency in social, gaming, finance and other fields, with user value as the core, providing users with a secure, professional, and ultimate blockchain service platform.

OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE OF DOCUMENT FILED

I, Jena Griswold , as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office, the attached document is a true and complete copy of the

Articles of Incorporation

with Document # 20238180048 of
OPEN Network Foundation

Colorado Nonprofit Corporation

(Entity ID # 20238180048)

consisting of 2 pages.

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 11/06/2023 that have been posted, and by documents delivered to this office electronically through 11/07/2023@ 19:36:15.

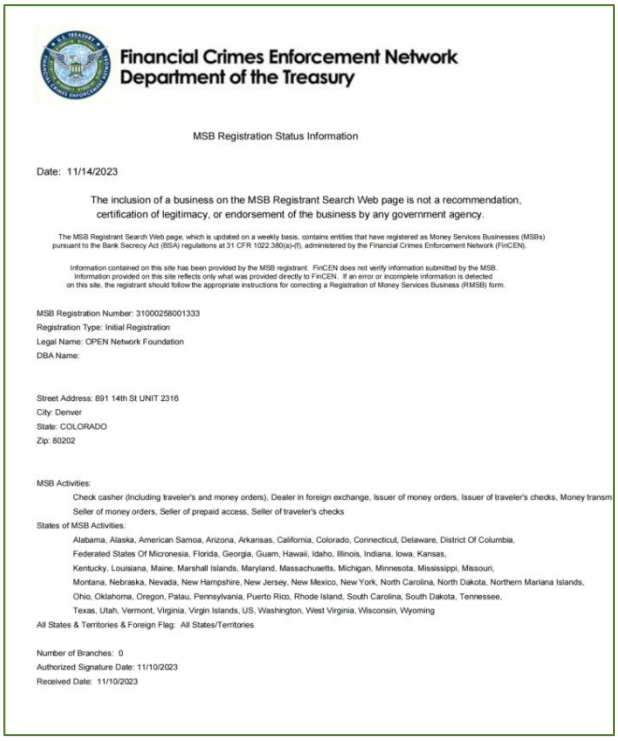
I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, and issued this official certificate at Denver, Colorado on 11/07/2023 @ 19:36:15 in accordance with applicable law. This certificate is assigned Confirmation Number 15469866

Secretary of State of the State of Colorado

**********End of Certificate**********

Notice: A certificate issued electronically from the Colorado Secretary of State's website is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Validate a Certificate page of the Secretary of State's website, https://www.coloradosos.gov/biz/CertificateSearchCriteria.do entering the certificate's confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our website, https://www.coloradosos.gov click "Businesses, trademarks, trade names" and select "Frequently Asked Questions."

OPEN Foundation



Financial Crimes Enforcement Network
Department of the Treasury

MSB Registration Status Information

Date: 11/14/2023

The inclusion of a business on the MSB Registrant Search Web page is not a recommendation, certification of legitimacy, or endorsement of the business by any government agency.

The MSB Registrant Search Web page, which is updated on a weekly basis, contains entities that have registered as Money Services Businesses (MSBs) pursuant to the Bank Secrecy Act (BSA) regulations at 31 CFR 1022.380(a)-(f), administered by the Financial Crimes Enforcement Network (FinCEN).

Information contained on this site has been provided by the MSB registrant. FinCEN does not verify information submitted by the MSB. Information provided on this site reflects only what was provided directly to FinCEN. If an error or incomplete information is detected on this site, the registrant should follow the appropriate instructions for correcting a Registration of Money Services Business (RMSB) form.

MSB Registration Number: 31000258001333
Registration Type: Initial Registration
Legal Name: OPEN Network Foundation
DBA Name:

Street Address: 891 14th St UNIT 2316
City: Denver
State: COLORADO
Zip: 80202

MSB Activities:
Check casher (including traveler's and money orders), Dealer in foreign exchange, Issuer of money orders, Issuer of traveler's checks, Money transm
Seller of money orders, Seller of prepaid access, Seller of traveler's checks

States of MSB Activities:
Alabama, Alaska, American Samoa, Arizona, Arkansas, California, Colorado, Connecticut, Delaware, District Of Columbia,
Federated States Of Micronesia, Florida, Georgia, Guam, Hawaii, Idaho, Illinois, Indiana, Iowa, Kansas,
Kentucky, Louisiana, Maine, Marshall Islands, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri,
Montana, Nebraska, Nevada, New Hampshire, New Jersey, New Mexico, New York, North Carolina, North Dakota, Northern Mariana Islands,
Ohio, Oklahoma, Oregon, Palau, Pennsylvania, Puerto Rico, Rhode Island, South Carolina, South Dakota, Tennessee,
Texas, Utah, Vermont, Virginia, Virgin Islands, US, Washington, West Virginia, Wisconsin, Wyoming

All States & Territories & Foreign Flag: All States/Territories

Number of Branches: 0
Authorized Signature Date: 11/10/2023
Received Date: 11/10/2023

MSB Digital currency

Company Name: **OPEN Network Foundation**

Company Number: **20238180048**

MSB license plate: **31000258001333**

Company address: **Colorado, USA (non-profit company), 891 14th St UNIT 2316, Denver, CO 80202, United States.**

8.1 Team introduction

NICHOLAS J MASSETT (CEO)

With a PhD in computer engineering at Berkeley, founder of OPEN Foundation, former chief engineer of Google, Facebook and OpenAI, proficient in a variety of mainstream technology frameworks development and business application principles, has a deep understanding of blockchain commercialization and WEB 3 ecosystem, and is now committed to the future direction of OpenChat.

Martijn Migchelsen (OTC)

Northwestern University, with a PhD in security protocol and compilation validation. Proficient in cryptography and distributed application of full stack solutions, and decentralized application development engineer, the smart contract, cross-chain technology, side chain technology, privacy protection has rich practical experience, good at development language including Go, Javascript, Shell, deployment platform experience including GCE, AWS, Azure, DO, Docker, Kubernetes, Ansible, Terraform, etc.

Oliver Hopton (CSO)

Graduated from Harvard Business School, he has been engaged in the senior management of many international enterprise projects and venture capital fund companies. He is now the director of strategic development and business at OpenChat, with high strategic goals and market insight.

9.OPEN Foundation

OPEN Foundation is headquartered in Colorado, USA and will serve as the legal entity of OpenChat, fully responsible for the technical development, brand building, promotion, and operation of the OpenChat project, and assuming all relevant legal responsibilities.

All funds raised by the OPEN Foundation will be used for purposes closely related to the development of the OpenChat project, such as technology development, marketing, community building, financial auditing, and business cooperation.

■ The OPEN Foundation is an independent organization whose main responsibilities include:

✓ Contribute to the healthy development of OpenChat;

✓ The development direction, regulatory objectives, research objectives, and development objectives of OpenChat;

✓ External supervision of OpenChat's brand building;

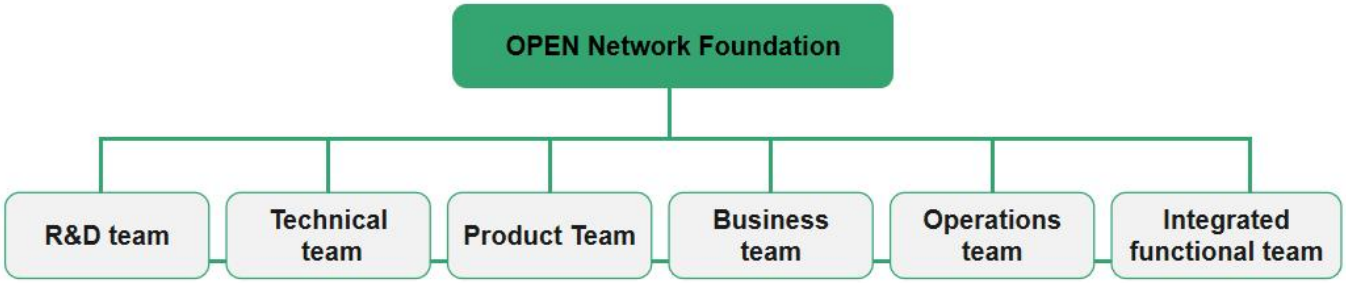
✓ Support the research and development of OpenChat and select important partners;

✓ Responsible for the development and motivation of the development team and related communities, participating in legal affairs and compliance supervision;

✓ The OPEN Foundation members serve as initial members of the execution team.

The **OPEN Network Foundation** has established a sound organizational structure and work charter. It is positioned as a non-profit organization dedicated to expanding the OpenChat ecosystem, providing services for the community, ecosystem partners, and technology developers while serving the daily operations of OpenChat.

The OPEN Foundation consists of six sub-teams:



R&D team: responsible for tracking regulatory policies, analyzing industry development, and researching token economy models.

Technical team: Responsible for the technical architecture construction, technical upgrades, code auditing, etc. of OpenChat, actively exploring technical solutions to improve

OpenChat performance according to business needs, to ensure the stable operation and sustainable development of OpenChat.

Product Team: Responsible for the design of the OpenChat product layer and the implementation of related functions, and conducting product iterations based on business development.

Integrated functional team: The integrated functional team is responsible for the legal compliance, financial budgeting, internal personnel management, and administrative affairs management of the foundation.

Operations team: Responsible for community construction and operation, timely communication with community members on the development of OpenChat, understanding the opinions and suggestions of community members, and organizing OpenChat community promotion activities.

Business team: Responsible for external business cooperation and public image establishment and maintenance of OpenChat, promoting OpenChat to gain market recognition and more external resource support.

10.Cooperation partners

11. Risk indications

At present, some countries around the world have unclear regulations on blockchain projects and digital tokens, and there is a possibility of losses to participants due to legal or policy changes. If investors make their own decisions, they should fully accept the risk and be willing to bear all corresponding consequences or consequences on their own. The risks involved include policy risk, regulatory risk, compliance risk, economic cycle risk, cyber hacking risk, technology development delay or failure risk, management risk, digital currency industry risk, price fluctuation risk, and other unlisted risks.

Due to the lack of strong regulation in the field of digital asset trading, digital currencies face hidden risks such as large fluctuations in price, all-weather trading, and market manipulation. Investors should choose their investment methods reasonably based on their own situation and experience.

There are risks involved in the development, maintenance, and operation of OpenChat. In addition to the other contents described in this white paper, users need to be aware of the following risks and evaluate whether they have the ability to bear the following risks.

Once participants participate, they understand and accept the risks of the project, and are willing to personally bear all corresponding consequences.

Trading risk: Trading behavior in the secondary market will always affect the market price of OPEN. The primary market volatility of emerging digital currencies is greater than that of traditional markets, and prices may experience drastic fluctuations.

Technical risk: The underlying technology of blockchain is in a stage of rapid development, and the OpenChat project may encounter obstacles in project development due to technological stagnation.

Business risk: including risks caused by uncertainties in OpenChat's business strategy, industry competition, cooperative institutions, and other business factors.

Development failure: Due to various reasons, including but not limited to unforeseeable technical difficulties, lack of funding for event development, OpenChat development may not be able to execute or implement as planned.

Security vulnerabilities: Hackers or other malicious organizations may attempt to interfere with the operation of OpenChat in various ways, including but not limited to malware attacks, denial of service attacks, consensus based attacks, smurfing attacks, and spoofing attacks.

Judicial regulatory risks: Cryptographic digital assets are being or may be regulated by regulatory authorities in different countries. It may even be ordered to suspend or terminate any development or actions related to OpenChat. The development, marketing, promotion, or other aspects of OpenChat may be severely affected, hindered, or terminated. Due to regulatory policies that may change at any time, the existing regulatory licenses for OpenChat in any country may only be temporary.

Unpredictable risks: Blockchain technology is a rapidly developing technology, and in addition to the risks mentioned in this white paper, there may be some risks that the OpenChat team has not yet mentioned or anticipated, or a combination of multiple risks that have already been mentioned.

In addition, **OpenChat** also faces many risks, including but not limited to the world economy and environment, blockchain development, enterprise operations, and other unpredictable special events.

The potential risks briefly mentioned above are not exhaustive, and there are other risks associated with your purchase, possession, and use of OPEN. These risks may further become unexpected changes or combinations of the aforementioned risks.

You should understand OpenChat's mission, vision, and potential risks before making a purchase.

Disclaimers:

This document does not constitute any investment advice regarding securities or any invitation to buy or sell, nor is it any form of contract or commitment.

OpenChat explicitly states that the intended users have a clear understanding of the platform's risks. Once participants participate, they understand and accept the project risks, and are willing to personally bear all corresponding consequences or consequences for this.

Copyright Notice:

The copyright of this document belongs to the **OPEN Network Foundation.**

Without written permission from the **OPEN Network Foundation**, no one may copy, extract, backup, modify, translate any part of this document into any other language in any way or form, and use it partially or entirely for commercial purposes.

For different versions of **OpenChat** white papers, the latest version shall prevail.

Power of interpretation:

The **OPEN Network Foundation** reserves the final right of interpretation for this white book.