

CMDMAX

WHITE PAPER

Web3.0 Supply Chain Systems and the Industrial Metaverse

(Abbreviation: SCSIM)

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nothing beats finding a team with this pioneering spirit.
our spirit,it will never surrender.

Author: **Wang Minrui**

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1. Introduce

Our products are designed to meet the needs of modern industrial manufacturing, accelerate the process of automation, intelligence and digitalization, so as to improve production efficiency, reduce costs, and adapt to the trend of economic globalization. The following is a detailed introduction of our products:

Automation Solutions: We provide a variety of automation solutions, including robotic systems, automated assembly lines, and automation of production processes. These solutions reduce labor input, increase production speed and consistency, and reduce errors and scrap. Our robot system is highly flexible and intelligent, and can adapt to different production needs and changes.

Digital manufacturing: Our products support the transformation of digital manufacturing, and realize the visualization, optimization and monitoring of the production process by combining physical manufacturing with digital technology. We provide advanced Manufacturing Execution Systems (MES), Factory Automation Systems and Internet of Things (IoT) solutions to enable real-time data collection, analysis and decision-making to optimize production efficiency and quality management.

Smart factory solution: Our smart factory solution combines technologies such as artificial intelligence, machine learning and big data analysis to realize intelligent factory operation and management. Through real-time monitoring, predictive analysis and intelligent optimization, our solutions can provide accurate production planning, resource scheduling and inventory management to maximize production efficiency and responsiveness.

Remote work and collaboration platform: Our products support remote work and collaboration, providing enterprises with flexible working models. We provide secure and reliable remote access and collaboration platforms that allow employees to collaborate with teams, share resources and participate in decision-making from anywhere and at any time, thereby increasing productivity and teamwork.

Data analysis and prediction: Our products integrate powerful data analysis and prediction functions, and use machine learning and artificial intelligence technology to extract valuable information and insights from a large amount of production data. Through data-driven decision-making and predictive analytics, companies can better understand production processes, optimize resource allocation, and make accurate production plans and forecasts.

By using our products, enterprises can achieve more efficient, intelligent and digital industrial manufacturing, improve production efficiency, reduce costs, and adapt to the globalized competitive environment. We are committed to providing

reliable, innovative and highly customized solutions to meet our clients' specific needs and business goals. Whether it is a small business or a large manufacturing enterprise, we can provide tailor-made solutions to help them achieve smarter and sustainable industrial production.

When incorporating blockchain and artificial intelligence into your products, more advanced functionality and enhanced benefits can be achieved. Here are some key features of our products that integrate blockchain and artificial intelligence:

Blockchain technology: Through blockchain technology, your products can realize decentralized, transparent, secure and tamper-proof data storage and exchange. Blockchain can ensure the integrity and traceability of data, providing a reliable basis for supply chain management, transaction records and compliance verification.

Smart contracts: With smart contracts, your product can automatically execute contracts and transactions and record related information on the blockchain. Smart contracts are automated and trustless, which can reduce transaction costs, reduce disputes, and improve transaction speed and efficiency.

Data security and privacy protection: Combining blockchain and artificial intelligence technology, your product can achieve a higher level of data security and privacy protection. The decentralized and encrypted nature of the blockchain ensures the security of data during transmission and storage, while artificial intelligence technology can help identify and prevent potential data security risks.

Intelligent analysis and prediction: By combining artificial intelligence technology, your product can achieve more powerful data analysis and prediction capabilities. Artificial intelligence algorithms can process and analyze large amounts of data, extract valuable information and patterns, and provide enterprises with accurate forecasts and decision support to optimize supply chains, production planning, and resource allocation.

Decentralized supply chain management: Applying blockchain and artificial intelligence to supply chain management can realize decentralized cooperation and collaboration. Blockchain can track and record logistics, transactions and information flow throughout the supply chain, while artificial intelligence can optimize the operation of the supply chain, reduce delays and waste, and provide real-time supply chain data analysis and forecasting.

By incorporating blockchain and artificial intelligence into your products, you can achieve more advanced functionality and enhance user experience. Whether it is data security, intelligent analysis or supply chain management, the integration of these technologies will bring greater competitive advantages and commercial value to your products.

Another concept that merges with blockchain and artificial intelligence is the Industrial Metaverse. The industrial metaverse refers to the combination of technologies such as virtual reality (VR), augmented reality (AR), and the Internet of Things (IoT) with industrial manufacturing to create a virtual industrial environment that simulates and presents industrial production and manufacturing processes in the real world. .

Virtualized production environment: Through virtual reality and augmented reality technology, the industrial metaverse can transform the real industrial production environment into a virtual space. Users can enter the virtual environment through head-mounted display devices or other interactive devices to interact with machines, equipment and products for simulation testing, training and optimization.

Remote collaboration and training: The Industrial Metaverse offers new possibilities for remote collaboration and training. Whether it is cross-regional teamwork or remote training, users can share virtual scenes through the industrial metaverse for real-time communication and collaboration. This increases productivity, reduces communication costs, and provides high-quality training and upskilling opportunities for employees.

Data visualization and analysis: The Industrial Metaverse can combine IoT and sensor data with a virtual environment to realize real-time monitoring and data visualization of industrial processes and equipment. Through data analysis and intelligent algorithms, users can obtain key indicators in real time, predict potential problems, and make timely decisions and optimizations.

Virtual Supply Chain Management: The Industrial Metaverse can extend supply chain management into virtual environments. Users can simulate, optimize and coordinate processes such as logistics, inventory and orders in the supply chain. This helps reduce costs, improve delivery efficiency, and optimize sustainability across the supply chain.

Equipment interconnection and automation: The industrial metaverse realizes the interconnection and automation control between equipment through the Internet of Things and automation technology. Devices can communicate and collaborate with the virtual environment in real time for automatic scheduling and optimization. This increases productivity, reduces energy consumption, and improves overall production quality and consistency.

By integrating the industrial metaverse with blockchain and artificial intelligence technology, your products can achieve more advanced industrial manufacturing and production models. The Industrial Metaverse provides a way to simulate and optimize industrial processes in a virtual world, bringing higher productivity, flexibility

and innovation capabilities to enterprises.

2. Overview

SCSIM (Supply Chain Systems and the Industrial Metaverse) supply chain system is an innovative product based on the new generation of Internet technology Web3.0. Service, creating efficient and vigorous vitality for enterprises.

The supply chain system is compatible with international standards such as ISIC (International Standard Industry Classification) and GS1 (Global Trade Standards Organization), and can be widely used in supply chain management in various industries. It perfectly solves the problems of data, storage, digital twins, and artificial intelligence in the same supply chain by realizing the standardization of data, the security and reliability of storage, the simulation and optimization of digital twins, and the intelligent application of artificial intelligence robots. problems with robotics, etc.

Based on Web3.0 technology: The SCSIM supply chain system adopts the new generation of Internet technology Web3.0, which has higher security, scalability and decentralization features. It enables direct interaction between enterprises and customers without middlemen or intermediaries, improving the transparency and efficiency of transactions.

Global operation: Through the SCSIM supply chain system, enterprises can realize global operation, expand customer groups, and enter new market areas. The system supports international standards, enabling enterprises to seamlessly connect with the global supply chain network and realize efficient operation of cross-border trade and logistics.

Humanized and convenient service: SCSIM supply chain system pays attention to user experience and provides humanized and convenient service. Users can manage and interact with the supply chain through a simple and easy-to-use interface, quickly obtain the required information, and conduct real-time communication and decision-making.

Data standardization and security: The system supports the International Standard Industrial Classification and global trade standards to ensure data consistency and comparability. At the same time, SCSIM adopts advanced encryption technology and distributed storage to ensure data security and privacy protection.

Digital twin and optimization: The SCSIM supply chain system transforms the real industrial production environment into a virtual space through digital twin technology, and performs simulation and optimization. This enables businesses to experiment and test in a virtual environment, increasing productivity and quality.

Intelligent application of artificial intelligence robots: the combination of SCSIM

supply chain system and artificial intelligence robots realizes intelligent supply chain management. Robots can automate tasks, conduct data analysis and prediction, and provide intelligent decision support, thereby improving the efficiency and responsiveness of the supply chain.

Through the SCSIM supply chain system, enterprises can better adapt to the trend of economic globalization, realize digital, intelligent and global supply chain management, enhance competitiveness and create greater business value. It provides a comprehensive and reliable solution for enterprises to help them succeed in the new generation of Internet era.

SCSIM (Supply Chain Systems and the Industrial Metaverse) supply chain system plays an important role in product data management and supply chain collaboration. It can automatically manage and synchronize product data from brand operators and manufacturers, ensuring data accuracy and consistency. Through this system, enterprises can achieve comprehensive management of the entire supply chain, and the entire process from raw material processing to store sales can be effectively monitored and controlled.

SCSIM establishes a close cooperative relationship with suppliers to enhance abnormal event management capabilities and response speed by optimizing business processes and information exchange. It provides enterprises with powerful supplier management tools to help establish stable and long-term partnerships. Suppliers can work collaboratively with the SCSIM system to share data and resources to achieve more efficient supply chain operations.

In future life and work, artificial intelligence robots will play an important role and be closely integrated with the SCSIM system. Robotics is applied throughout the supply chain process to provide various services to businesses and consumers. SCSIM is committed to solving various problems encountered in getting along with robots, and promoting robots to become an important carrier of large-scale, personalized high-end services.

Through the combination of SCSIM and robot technology, enterprises can achieve more efficient production and logistics management, provide personalized customer service, and optimize the operational efficiency of the supply chain. At the same time, the application of robots in the supply chain can also improve the safety of the workplace and the quality of work of personnel, and achieve the best results of human-machine collaboration.

The comprehensive functions of the SCSIM supply chain system and the combination with robot technology will bring more opportunities and competitive advantages to enterprises, and help enterprises achieve the goal of digital, intelligent and global supply chain management.

SCSIM (Supply Chain Systems and the Industrial Metaverse) supply chain system is committed to providing global services, so it supports up to 11 national languages to meet the needs of different regions and users. This language support enables SCSIM to be widely used around the world, and provides users with a more convenient and friendly product experience.

As a one-stop digital solution, CSIM provides comprehensive software and hardware products. In terms of software, it provides PC and mobile applications, so that users can choose the appropriate platform to use according to their needs and preferences. PC-side software products provide richer functions and larger screen space, suitable for complex supply chain management tasks, while mobile-side software products provide portability and flexibility, allowing users to manage and monitor supply chain information anytime, anywhere .

In addition to software products, CSIM also provides AI robot hardware products, enabling users to interact and cooperate with robots in physical environments. These AI robots have advanced perception and execution capabilities and are able to perform various tasks in the supply chain environment, such as goods handling, inventory management and data collection. They are seamlessly integrated with the SCSIM system to realize the digitization and intelligence of the supply chain and bring users a more efficient and automated working experience.

All in all, as an integrated solution, SCSIM provides comprehensive support for software and hardware products. It supports multiple national languages and adapts to the needs of global users. Whether on the PC or mobile side, users can enjoy a convenient supply chain management experience. At the same time, the application of AI robot hardware products makes supply chain management more intelligent and efficient. These comprehensive functions and product portfolios make CSIM an ideal choice for digital transformation, providing enterprises with one-stop supply chain solutions.

3. International Standard Industrial Classification (ISIC)

reference:

1、United Nations, International Standard Industrial Classification of All Economic Activities, ISIC Rev.4

2、GB/T 4754—2017, Industrial classification for national economic activities (UNSD:2006 , International standard industrial classification of all economic activities, NEQ)

Since its birth, the International Standard Industrial Classification System (ISIC) has undergone several revisions over the past half century. It has become one of the most mature, authoritative and influential international economic activity classification standards in the world.

GB/T 4754-2017, Industry classification of national economic activities, a total of 20 categories, such as: manufacturing, wholesale and retail, transportation, warehousing and postal services. 97 major categories, 473 major categories, 1381 minor categories.

Standardized economic activities, manufacturing is related to all walks of life, and a complete supply chain system is an indispensable part.

International Standard Industrial Classification of All Economic Activities (ISIC)			
Garment Production Cycle Example			
Category	big level	middle level	small level
C-manufacturing	C17-textile industry	C171-Cotton textile and post-printing and dyeing processing (referring to cotton, cotton-type chemical fiber (chemical fiber staple) textile and post-printing and dyeing processing)	C1712-Cotton weaving processing (referring to the weaving processing of woven fabrics with cotton yarn, blended yarn, and chemical fiber yarn as the main raw materials)
	C18-Textile and clothing, apparel industry	C182-Manufacturing of knitted and crocheted garments (referring to the activity of sewing all kinds of men's and women's clothing and children's clothing after cutting knitted	C1821-Manufacturing of sports and leisure knitted garments (manufacturing of knitted T-shirts, knitted casual shirts, and knitted sportswear)

		and crocheted fabrics as the main raw materials)	
F-Wholesale and retail trade	F51-Wholesale		F5132-clothes wholesale
	F52-retail		F5232-Clothing Retail

This table briefly describes the industry classification of products in the International Standard Industrial Classification (ISIC). Relationship with upstream and downstream supply chains. These industry classifications are aimed at every link in the product supply chain, and in each link, the control of products and the relationship between the upstream and downstream of the supply chain are essential.

The entire lifecycle of a product is associated with these two categories and multiple subcategories. The final form of the product, from raw material production, manufacturing and processing, warehousing and logistics, to marketing, all links are complementary and indispensable.

SCSIM follows the International Standard Industry Classification (ISIC) specification design framework, supports application scenarios across industries, systematically controls the entire life cycle of products, ensures the consistency of the supply chain system, and improves the efficiency of related enterprises in the industry chain. Realize the seamless switching of products in all links.

The initial form of the product enters the SCSIM supply chain system. Starting from raw material management, SCSIM automatically synchronizes products to every link in the supply chain.

SCSIM adopts a distributed data design framework and uses db format as the main data exchange method, which plays an important role in the standardization of data. The SCSIM system has designed an online query analyzer, which supports online SQL and hundreds of SQL command languages, which further facilitates users to mine and analyze big data. Because of their extensibility and self-describing nature, databases are known as powerful tools in the process of information standardization. The db file itself supports standardized SQL, and all additions, deletions, modifications, and queries are based on the command line. Database-based standards will become the mainstream of future information standards.

4. Globally Harmonized Identification System (GS1 System)

GS1 is a not-for-profit international organization that develops and maintains its own barcode standards and corresponding issuing company prefixes. The most famous of these standards is the barcode, which is an electronically scannable symbol printed on a product. GS1 has 116 local member organizations and over 2 million user companies.

GS1 General Specifications, Release 22.0, The foundational GS1 standard that defines how identification keys, data attributes and barcodes must be used in business applications.

The GS1 system is an international article numbering organization responsible for developing and maintaining the standards and business language used in global commerce and trade. Generally known as the "Global Unified Identification System (GS1 System)".

As the most widely used supply chain standard and business language in the global business world. The GS1 system provides globally unique code identification for trade items (products and services), logistics units, assets, locations, documents and other special areas at different levels in the supply chain. At the same time, it provides technical standards and information sharing technical support for inter-industry information interaction and process integration.

In order to adapt to the in-depth development of global trade integration and meet the needs of information interconnection and sharing among trading partners in the supply chain, the GS1 system continues to innovate in the development, management, application and promotion of standard technical solutions. And through the global standards management process and organization (global standards management process, GSMP), the standard instructions such as GS1 general specification are revised and updated. Continuously promote the application of GS1 standards in various industries to better serve national economic and social development.

At present, after more than 40 years of development, the GS1 system has been widely and commonly used in various industries in more than 150 countries and regions. Whether it is supermarkets, warehouses, logistics and transportation, or hospitals, schools, and government agencies; Whether it is clothing, food, medical care, or books, office supplies, chemical building materials; Whether it is online transactions, mobile payments, industrial manufacturing, military defense, or agricultural production, the GS1 system is everywhere. Moreover, with the development of informatization, the application of GS1 system will be more extensive.

The GS1 system provides accurate codes for identifying goods, services, assets and locations around the world. These codes can be represented by barcode symbols, which can be read electronically in any business process. The system overcomes the limitations of manufacturers, organizations or industries using specific coding systems, improving trade efficiency and responsiveness to customers.

Traditional e-commerce is a transaction mode that lacks trust, fraud, and propaganda that does not match reality. SCSIM is committed to supporting the digital transformation of the retail industry, whether it is consumer packaged goods, fresh food, apparel or general merchandise. We strive to achieve ubiquitous and verifiable product identities through accurate, complete and unified digital product information, whether in physical stores or online, and establish digital identity files for products on the blockchain network. This is the foundation of an efficient, resilient and transparent supply chain. It will also help players in any retail sub-sector meet regulatory requirements, deploy traceability programs and achieve sustainability goals.

Obtain commodity information in the "GS1 Commodity Barcode Big Data Center" and "Verified by GS1", and SCSIM creates real digital content for hundreds of millions of commodities on the blockchain network. In order to improve the transparency and traceability of the supply chain, users and enterprises can trace the entire operation cycle of commodities in multiple blockchain networks.

Ensure that product source data quality management complies with relevant standards, product information is authentic and reliable, and product management processes comply with product barcode management standards and integrity.

- ◆ authentic digital content
- ◆ High-definition and accurate product pictures
- ◆ Compliant and reliable packaging audit
- ◆ Blockchain Technology Support for Credible Commodities

5. Industrial Metaverse

The Industrial Metaverse feature of the SCSIM supply chain system is a comprehensive physics-based digital twin technology designed to help customers in various industries increase productivity. The following is a detailed description of this function:

Physical digital twin: SCSIM has created an objective and accurate physical digital twin model through advanced digital technology. These models virtually reproduce real-world industrial systems and supply chain networks. A physical digital twin not only looks lifelike, but behaves and functions exactly like the real system.

Simulate the real environment: SCSIM Industrial Metaverse simulates various factors and scenarios in the real industrial environment. It can simulate the operation of the production line, the flow of the supply chain, the operation of equipment, etc. Users can conduct real-time simulations and tests in a virtual environment to evaluate and optimize various business processes and decisions.

Real-time data synchronization: SCSIM's industrial metaverse function can perform real-time data synchronization with real physical systems. It can be connected to sensors, appliances and other IoT devices, collect and process real-time data, and reflect it into the virtual environment. In this way, users can understand and monitor the status and performance of real systems through the industrial metaverse.

Interaction and collaboration: The industrial metaverse of SCSIM provides rich interaction and collaboration functions. Users can interact with elements in the virtual environment, perform operations, adjust parameters, and more. In addition, multiple users can collaborate in the same virtual environment to solve problems, make decisions, etc., promoting teamwork and innovation.

Analysis and optimization: The industrial metaverse function of SCSIM also provides powerful analysis and optimization tools. Users can use big data analysis and machine learning algorithms to conduct in-depth analysis of data in the virtual environment and extract valuable insights. This helps optimize industrial processes, improve production efficiency and quality, and enable continuous improvement and innovation.

Through the industrial metaverse function of the SCSIM supply chain system, users can experience the virtualization of the real industrial environment, thereby improving productivity, optimizing business processes, and achieving continuous innovation and improvement. The simulation and analysis capabilities of Industrial Metaverse help users better understand and master complex supply chain systems, and improve the accuracy and efficiency of decision-making.

The industrial metaverse function of the SCSIM supply chain system is a powerful technology that provides users with a new way to optimize and improve the supply chain through physical digital twins and virtual environment simulations. Users can simulate, analyze and collaborate in real time in a virtual environment, enabling more efficient and reliable supply chain management and operations.

There are many advantages and opportunities for organizations such as companies or trade unions to exist in the virtual world. Here are some important aspects of virtual environments and AI bots:

Predictable simulation: Virtual environments provide a platform that can accurately simulate and reproduce real-world situations. Organizations can conduct various tests and demonstrations in a virtual environment to understand and solve real-world problems. Such simulations can help organizations predict and assess the impact of various situations and develop more effective strategies and decisions.

Immersive experience: Virtual environments can provide an immersive experience, making participants feel like they are actually in the simulated scene. This immersive experience increases participant engagement and understanding, and fosters deeper learning and collaboration.

Virtual training: AI robots play a key role in bridging the real and virtual worlds. Robots in virtual worlds can be trained in simulation and map their experiences and learnings to the real world. In this way, the robot can improve its performance and function in the real world through continuous optimization and improvement in the virtual environment.

Optimize and innovate: Virtual environments provide organizations with a space to experiment and innovate. By interacting with robots, objects and environments in the virtual world, organizations can test new ideas, processes and technologies to optimize and improve their operations and business models.

Collaboration across geography: Virtual environments can connect people and teams across geographic locations. Through virtual meetings, collaborative tools, and shared resources, organizations can collaborate and collaborate across geographic boundaries, fostering innovation and collaboration across the globe.

Altogether, virtual environments and AI bots offer organizations the opportunity to enable predictable simulations, immersive experiences, virtual training, optimized innovation, and collaboration across geographies. These technologies can help organizations better understand and solve real-world problems and drive innovation and growth.

6. Blockchain distributed

SCSIM (Supply Chain Systems and the Industrial Metaverse) supply chain system is a brand-new solution that combines blockchain technology with real industries, aiming to provide enterprises with a more efficient, transparent and reliable supply chain management and collaboration platform. The following is a detailed introduction to the distributed implementation of the SCSIM system blockchain:

Distributed blockchain network: The SCSIM system builds a distributed network based on blockchain technology. This network consists of multiple nodes, scattered in different geographical locations. Each node has the same power, they are interconnected and jointly maintain the data and status of the entire supply chain. This decentralized network architecture eliminates the single point of failure risk of the traditional centralized system and improves the security and robustness of the system.

Data storage and verification: The SCSIM system implements a distributed data storage and verification mechanism. Each node keeps a complete copy of the supply chain data and uses a consensus algorithm to verify the consistency of the data. This means that data is not tied to any particular service node, but is stored across the network in a decentralized manner. This distributed data storage and verification mechanism ensures the security and reliability of data and prevents data from being tampered with or lost.

Data snapshot and historical traceability: The SCSIM system provides data snapshot and historical traceability functions, allowing users to easily trace back and verify past transactions and activities in the supply chain. By recording and storing data status at a specific point in time, users can trace important data such as logistics trajectories, product quality information, and partner relationships, improving data traceability and transparency. This has important implications for compliance audits, quality management and dispute resolution.

Smart contracts and automated execution: The SCSIM system uses smart contract technology to realize automated execution of contracts and transactions in the supply chain. Smart contracts are blockchain-based programmable contracts that can automatically trigger and execute preset rules and conditions. Through smart contracts, supply chain participants can automate delivery, payment, settlement and other operations, reducing human errors and delays, and improving overall efficiency and credibility.

Entity industry empowerment: The blockchain distributed implementation of the SCSIM system empowers the entity industry. It promotes the digital transformation and innovative development of the physical industry by providing more efficient, transparent and reliable supply chain solutions. Enterprises can use the SCSIM

system to improve the visualization and collaboration capabilities of the supply chain, enhance product traceability and quality control, optimize logistics and inventory management, and improve the efficiency and competitiveness of the overall supply chain.

Through the distributed implementation of blockchain, the SCSIM supply chain system realizes the decentralized storage and verification of data, the automatic execution of smart contracts, and the functions of data snapshot and historical traceability. These features provide more powerful supply chain management tools for the physical industry, helping companies achieve more efficient, sustainable and innovative operating models. The SCSIM system is committed to promoting the integration of the real industry and blockchain technology, empowering enterprises, and enhancing the competitiveness and development potential of the industry.

6.1. On-chain signature and recovery

The ownership of web3.0 Internet user data is returned to users, breaking the monopoly of giants. SCSIM solves this problem by:

1. Data generation classification. The user data types of the SCSIM system are mainly divided into three categories: cache data snapshots, persistent data snapshots and system authority data snapshots. These three types of data use traditional storage formats. The cached data uses the .JSON format, the persistent data uses the .DB format, and the system permission data uses the .INI format. Cache data snapshots include: world news data, chat content data, friend team data, blessing red envelope data, etc. Persistent data snapshots include: product promotions, promotional orders, customer relationship management, logistics information, orders, promotional details, service orders, service tags, SKUs, transactions, trade, etc. The system permission data snapshot includes: commodity delivery permission, commodity warehousing permission, transaction permission, order permission, return (batch) permission, customer relationship management permission, image management permission, database management permission, etc.

2. How to store data snapshots. The SCSIM architecture designs an independent data storage structure for each user, and each user is independent: the storage structure of cache data, persistent data, and system authority data. These independent data storage structures are designed for distribution, and data snapshots are signed on the blockchain network to generate signature hash values. This hash value can be used as a verification of the recovered data to ensure the authenticity and immutability of the data.

3. How to use these data snapshots. The SCSIM system is a globally distributed node, and you can restore your data snapshots at the SCSIM Tokyo node, Ohio node or Paris node. Multiple independent nodes adopt a globally unified user system. Your wallet address only needs to be logged in at one node, and other nodes will automatically synchronize your account information. It can be understood that we play online games, and one account spans multiple service nodes around the world. Your data snapshot can be freely switched and used on multiple server nodes without any restrictions, and you only need to pay the corresponding cross-node fee. After all nodes of the SCSIM system synchronize your account information, your data snapshots can be restored on any node, and these data snapshots will be used by our products and services.

Even if the entire SCSIM system crashes, as long as your data snapshot exists and is saved in the local computer or distributed storage server, it will not affect your use of products and services. Your data snapshots are not limited to any SCSIM system node.

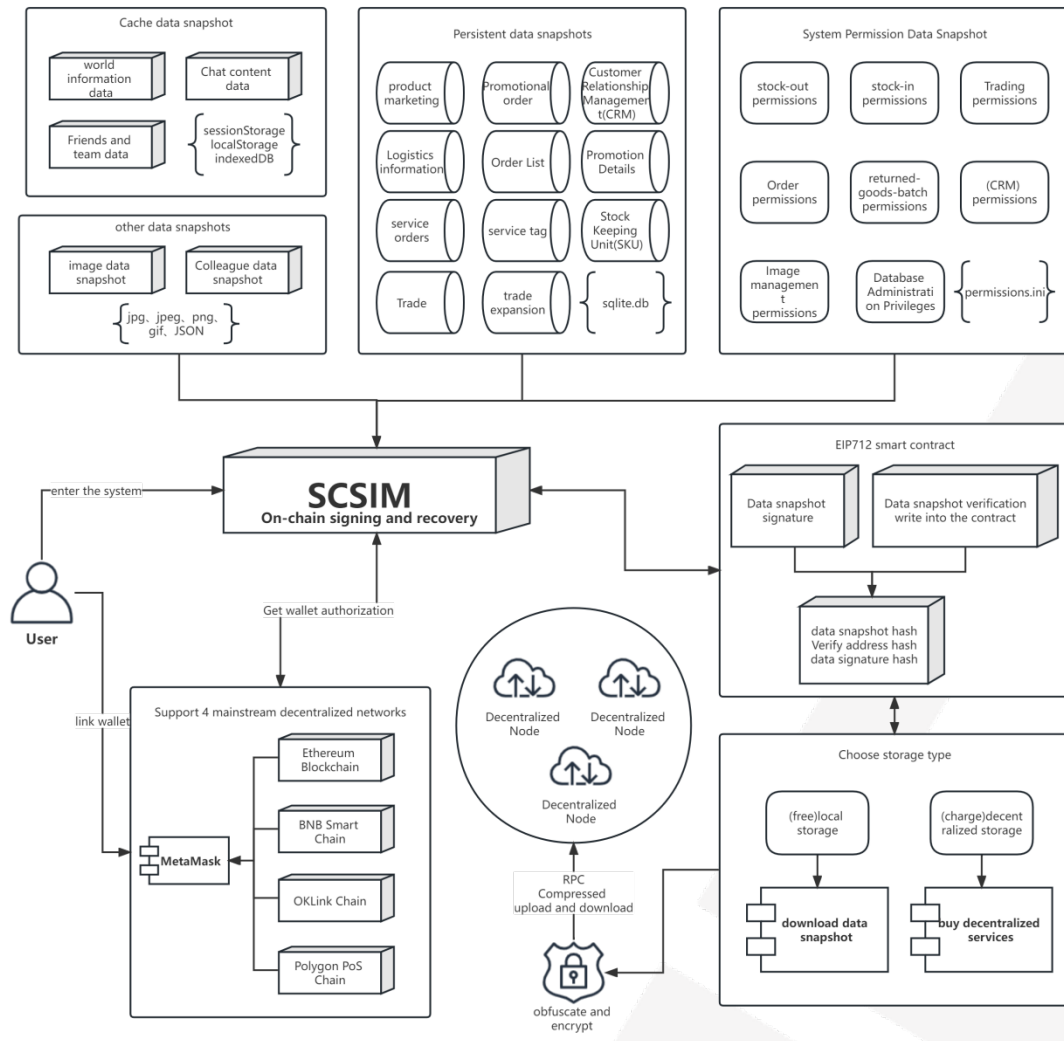
Type Structured Message Signature Standard, which allows wallets to display data in signed prompts in a structured and readable format. EIP712 is a big step forward

in terms of security and usability, as users no longer need to sign unintelligible hexadecimal strings (a confusing and insecure practice).

EIP712 has great improvements in usability and security. When a DApp that supports EIP712 requests a signature, the user's wallet will display the original data before hashing, which is convenient for user verification. SCSIM supports EIP712 smart contracts of multiple mainstream public chains. After signing data snapshots such as cached data snapshots and persistent data snapshots through EIP712 smart contracts, data snapshots can be stored in local computers or remote distributed storage.

Distributed storage services support multiple cryptocurrencies and token payments. After payment, the data snapshot can be uploaded to the distributed server for storage. Before storage, the system obfuscates and encrypts data snapshots to ensure the safety of user data.

Back to the essence of blockchain, data snapshots are uploaded to distributed servers. Data snapshots backed up across multiple time periods can be restored from any device. SCSIM supports local computer backup. Verify the data of the local computer, that is, data snapshots can be restored to any time period.



The user data snapshot signature and recovery function of the SCSIM supply chain system is the core component of the system. It provides an autonomous and controllable solution for user data by implementing the core idea of the blockchain. The following is a detailed description of this function:

User data snapshot: The SCSIM system records the user's data status by periodically generating user data snapshots. These snapshots contain key data information of users, such as transaction records, account balances, interaction history, etc. The generation of user data snapshots is done automatically to ensure the timeliness and accuracy of data.

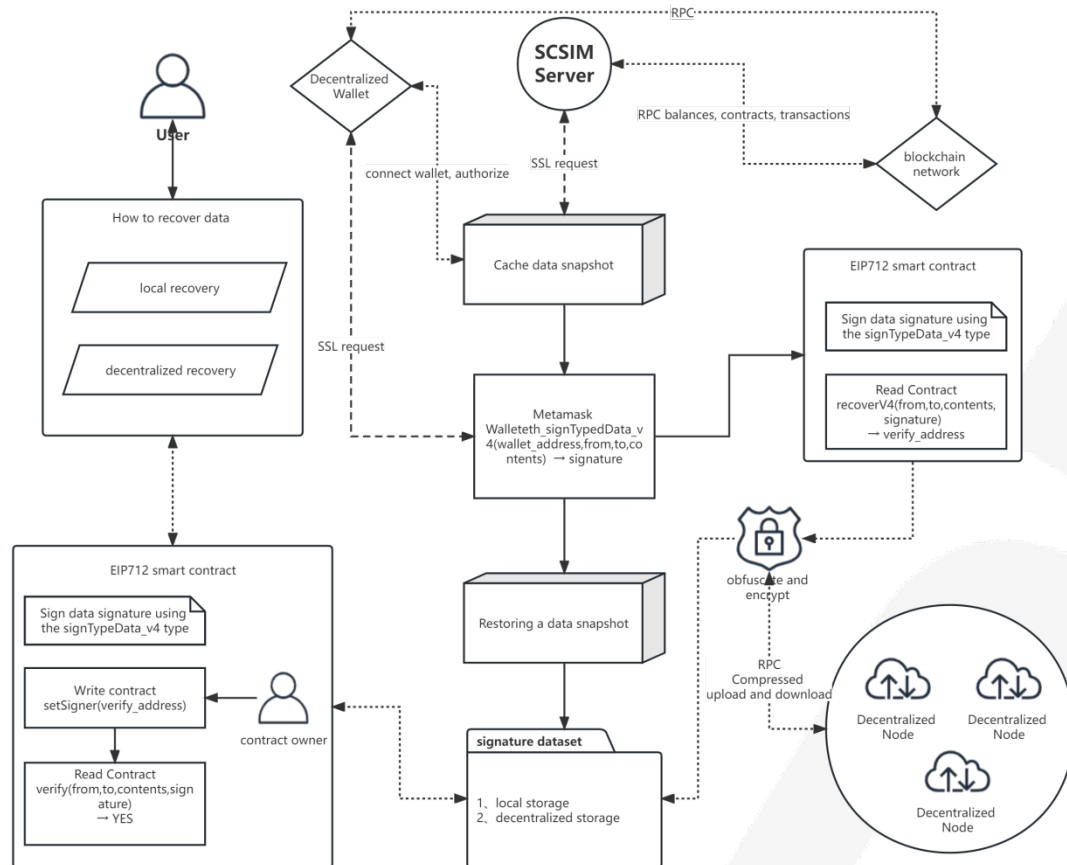
Data signature: After the user data snapshot is generated, the SCSIM system will digitally sign the snapshot. Digital signatures use encryption algorithms to bind user data with a unique signature value, ensuring data integrity and authenticity. Through digital signatures, users can verify the origin and integrity of data, ensuring that the data has not been tampered with.

Data recovery: When user data needs to be restored, the SCSIM system can use the previously generated user data snapshot and corresponding digital signature. Users can verify the integrity of the data and restore their data status by providing the correct digital signature. This enables users to control and restore their data independently, no longer limited to the SCSIM system.

Self-controllability: SCSIM's user data snapshot signature and recovery functions realize the self-controllability of user data. Users can independently manage and control snapshots and signatures of their data, no longer relying on the limitations of the SCSIM system. This allows users to manage and protect their own data more freely, realizing data autonomy and privacy protection.

Through the user data snapshot signature and recovery function of the SCSIM supply chain system, users can ensure the integrity and controllability of their data. The snapshot and signature mechanism of data guarantees the credibility and tamper-proof of data, while the data recovery function enables users to independently restore their data status. This provides users with higher data security and privacy protection.

To sum up, the user data snapshot signature and recovery function of the SCSIM supply chain system is an important part of the system. It provides an autonomous and controllable solution for user data by implementing the core idea of the blockchain. Users can independently manage and protect their data, and verify the integrity of the data through digital signatures to achieve data autonomy and security.



6.2. Distributed database

The distributed database of the SCSIM supply chain system is an important component, which aims to solve the challenges faced by enterprises when dealing with a large amount of paper documents and electronic data exchange. The following is a detailed description of this function:

Data exchange and processing: The SCSIM supply chain system realizes the automatic exchange and processing of information between enterprises, between computer systems, and between enterprises and trading partners through Electronic Data Interchange (EDI). EDI utilizes standardized and formatted protocols to transmit and process documents and data electronically. In this way, businesses can efficiently process and manage a large number of paper documents that provide important information, such as orders, invoices, product catalogs, sales reports, etc.

Data exchange in db format: The SCSIM data exchange system uses db format as the main data exchange method. db data is formatted with standard SQL language specification and delivered to various enterprises and industries. By using the db format, data can be used and processed independently, independent of a specific platform or enterprise. This makes the data independent everywhere, allowing for easy data exchange and integration.

Data independence: The distributed database of SCSIM realizes the independence of data. Data is no longer tied to a specific platform or enterprise, but exists in an independent manner. This means that businesses can use data across different systems and environments without being tied to a specific platform or business. Data independence provides greater flexibility and interoperability, allowing enterprises to process and manage data more freely.

High reliability: SCSIM's distributed database has high reliability. Data is stored in a distributed network and does not depend on any single node. Even if a node fails, the system can still maintain data integrity and availability. This provides a high level of protection and reliability for data, ensuring that no important information is lost during data exchange and processing.

Through the distributed database function of the SCSIM supply chain system, enterprises can process and manage a large number of paper documents and electronic data more efficiently, and realize the automatic exchange and processing of information. Using db format as the data exchange method, data independence and high reliability enable enterprises to use and manage data more freely. This provides important support for the data fluency and efficiency of the supply chain system.

Each user has designed an independent db database file, all user db data does not

interfere with each other, and supports local storage and distributed storage. Enterprise data is growing at a rate of terabytes. We design the database to store the number of table rows up to the specified maximum number of rows, and then create a new table store. The user's db database file supports users to switch freely, and the user can take a snapshot of the db database file at any time.

To sum up, the distributed database function of the SCSIM supply chain system provides enterprises with powerful data exchange and processing capabilities, helping enterprises to achieve more efficient and reliable supply chain management.

6.3. Real-time cryptocurrency and token airdrop system

The automatic airdrop system we developed is a software product with social attributes, which aims to provide users with transparent and fair cryptocurrency or token airdrop services. The system automatically pushes airdrops to all clients every day. By generating a random airdrop schedule, it ensures that users can receive airdrops on time, and distinguishes them according to the order of users to ensure the fastest time to receive them.

Automated airdrops: The system automatically pushes airdrops every day, without manual operation by users, providing a convenient airdrop receiving experience. **Transparent and fair:** By generating a random airdrop schedule, it is ensured that all users can obtain cryptocurrencies or tokens fairly, eliminating human bias.

Users need to distinguish the order of users in the process of receiving, promote interaction and competition among users, and increase the sociality of products. **Multiple air investment assets:** The system supports multiple airdrops of cryptocurrencies or tokens, including ETH, BNB, OKT, MATIC, USDT and CMDT, providing users with more choices and possibilities.

Airdrop schedule generation: The system generates a random airdrop schedule to ensure daily airdrop activities and avoid repeated or overly concentrated airdrops. Ensure that each user can only claim one airdrop to enhance security and prevent abuse.

Airdrop reminder notification: The system will provide an airdrop reminder notification, allowing users to be reminded before the airdrop time, so that they can receive it in time. **User priority:** The system will distinguish the user priority according to user registration time or other set rules to ensure that each user has the opportunity to receive the airdrop as soon as possible.

Airdrop claim interface: Provide an intuitive airdrop claim interface, allowing users to easily view and claim their airdrop assets. **Airdrop History:** The system will record the user's airdrop history, allowing users to view past airdrops for easy management and reference.

Simplified operation: The automated airdrop system eliminates tedious manual steps and provides a simple and efficient user experience. **Transparent and fair:** The randomly generated airdrop schedule ensures the fairness and impartiality of the airdrop, eliminating the possibility of manipulation and unfairness. By distinguishing the order of users, competition and interaction among users are stimulated.

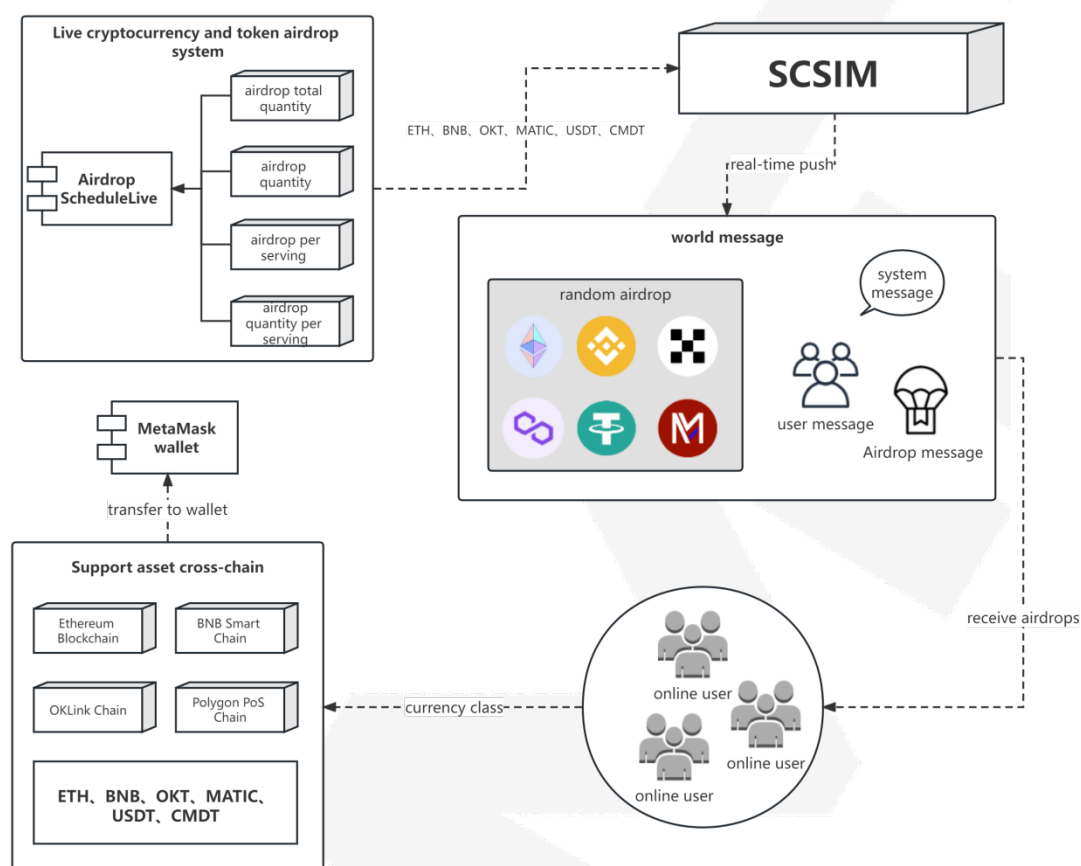
Our target market is global cryptocurrency enthusiasts and digital asset traders.

This market is growing rapidly, so we believe there is enough underlying demand to support our products.

We will earn revenue by selling subscription services. Users need to register and purchase a subscription to use the automatic airdrop system software. After they successfully receive cryptocurrency or tokens, they will pay a certain percentage (for example, 5%) as a handling fee to the company.

While there are other similar products on the market, they are lacking in sophistication, intelligence, and socialization, and most of them do not provide decent security measures. Therefore, for those customers who are looking for better cost performance and better service, we believe that the automatic airdrop system software is a very attractive and competitive choice.

Instead of relying on a trusted third party, SCSIM improves the incentives and models by which the economy works. SCSIM supports cross-chain assets. Currently supports 4 mainstream public chains. Users can withdraw SCSIM assets into Metamask wallets.



6.4. Blessing red envelope "RedPacket"

With the continuous development and popularity of the cryptocurrency market, more and more users have begun to pay attention to and use digital assets. At the same time, behaviors such as giving gifts and red envelopes on social networks have also become a popular way. So we decided to develop a software product - "RedPacket", which allows users to interact with others by sending red envelopes in the chat channel, and supports a variety of mainstream cryptocurrencies. This feature will provide users with an innovative, fun and safe way to share wealth and increase user interaction.

At present, major social platforms such as WeChat and Alipay have their own red envelope functions, but these functions are limited to legal currency and cannot operate on encrypted currency. Therefore, we believe that "RedPacket" has high potential and market demand.

As of the end of March 2021, the total global cryptocurrency market capitalization is close to 2 trillion US dollars, and it is still growing. Among them, virtual assets represented by Bitcoin (BTC), Ethereum (ETH) and Polkadot (DOT) are gradually becoming popular with a wider group of people. According to statistics, the number of digital wallets or virtual wallets in mainland China has reached more than 500 million.

"RedPacket" is a chat red envelope product based on blockchain technology, and users can distribute it in multiple channels. The product mainly has the following characteristics:

Support for multiple cryptocurrencies: mainstream digital assets such as ETH, BNB, OKT, USDT and CMDT.

Safe and reliable: Blockchain technology is used to ensure transaction security, and all records will be permanently stored on the blockchain for query.

Group function: Users can expand their social circle and share content they are interested in by creating or participating in different groups.

We plan to make a profit by charging a certain percentage of the amount of each red envelope as a handling fee. Specifically, we will charge as follows:

For small red envelopes (e.g. \$100 or less), the commission rate is 2%;

For red envelopes over USD 100 but below USD 500, the handling fee is 3%;

For high-value red envelopes (more than 500 US dollars), the specific charging plan will be discussed according to the situation.

For the new product promotion stage, we plan to adopt the following marketing strategies:

Social media promotion: Use major social platforms such as Twitter, Facebook, etc. for online promotion.

Coupons: Provide corresponding rewards and coupons for new user registration, inviting friends, etc., to attract more people to use RedPacket products;
Offline publicity: For example, participate in relevant blockchain exhibitions or offline activities for promotion.

We believe that the "RedPacket" product has great market demand and potential. According to preliminary estimates, if the transaction volume of more than 100 million U.S. dollars can be processed every month, the company can obtain about 3 million U.S. dollars in service fee income, and it is expected to achieve profitability within two years.

"RedPacket" is a software product with development prospects and serving the red envelope interaction needs in the digital currency community. We will be committed to creating a safe, efficient, convenient and low-cost platform, and plan to expand market share through active marketing strategies.

process realization

1. The user enters the "RedPacket" software and selects the chat channel where he wants to send red packets.
2. The user enters information such as the amount of the red envelope, the type of cryptocurrency, and the password, and confirms sending.
3. The transaction is submitted to the blockchain for verification and recording. If verified, the transaction will be written into the blockchain and the corresponding amount of cryptocurrency will be deducted from the user's wallet.
4. After receiving the red envelope notification, the receiver clicks the claim button, enters the payment password and confirms the claim operation.
5. After the verification is successful, the corresponding amount of cryptocurrency will be automatically transferred to the receiver's wallet.
6. The above is a simple example flow chart, which can more intuitively understand the steps involved in the "RedPacket" software distributing encrypted currency red envelopes in the chat channel.
7. For more information, please log in to the SCSIM system experience.

6.5. CMDT Token

The essence of blockchain is openness and freedom. At present, the encrypted assets of the blockchain are difficult to apply to the real industry. 99% of encrypted assets only participate in various high-risk speculation and leveraged transactions on exchanges. A new generation of blockchain technology has been born. Without practical application scenarios, encrypted assets that cannot create value will disappear. Cryptocurrencies and tokens can only be applied to blockchain networks to provide services for blockchain applications.

How to make encrypted assets serve the real industry. SCSIM was born for the needs of global supply chains. CMDT is used to manage supply chain encrypted assets and incentivize the creation of CMDT smart contracts. The essence is to serve the application of the blockchain entity industry. CMDT relies on the strong support of the SCSIM system to serve the efficient operation of physical products in the blockchain network.

CMDT token is the cryptocurrency we designed for the Web3 supply chain system, aiming to realize the combination of blockchain cryptocurrency and real economy. CMDT tokens are widely used in operations, sales, promotion, social networking, airdrops, data chaining, etc. in the system, providing more functions and incentive mechanisms for supply chain management, and realizing the development and sharing of the economic system.

Blockchain technology support: CMDT tokens are built on the basis of blockchain technology, using smart contracts to implement programmable currency functions. Through the distributed ledger and encryption algorithm of the blockchain, the circulation and transaction of CMDT tokens are characterized by decentralization, transparency and security.

Multifunctional applications: CMDT tokens are widely used in many aspects of the Web3 supply chain system, providing participants with a full range of services and incentives. It can be used as a payment tool to purchase goods and services; it can also be used as an incentive mechanism to encourage users to participate in various activities of the system, such as sharing, promotion, participation in airdrops, etc.

Incentive participation and contribution: CMDT token encourages supply chain managers, advertisers, consumers, etc. to participate in the operation, sales and promotion of the system through the incentive mechanism. For example, supply chain managers can reward suppliers for good performance by paying CMDT tokens, advertisers can use CMDT tokens to gain more exposure and priority display, and consumers can get CMDT tokens in return by participating in activities.

Data on-chain and sharing: The use of CMDT tokens can promote the on-chain and sharing of supply chain data. By binding key data with CMDT tokens, the security, credibility and traceability of data are ensured, and the efficiency and transparency of supply chain management are improved. Supply chain participants can use CMDT tokens to access and verify data to better understand the operation and status of the supply chain.

Social interaction and airdrop: CMDT tokens can be used in the system for social interaction and airdrop activities. Users can use CMDT tokens to communicate and interact with other users, sharing experiences and resources. At the same time, the system can also distribute CMDT tokens to users through airdrops to stimulate user participation and interest, and increase user attention to advertisements and activities.

Encrypted currency serves the real economy: The introduction of CMDT tokens makes it possible for blockchain encrypted currency to serve the real economy. Through the application of the CMDT token, the supply chain system can better connect the real economy and the blockchain economy, and realize currency circulation, value transfer and ecological co-construction. As a digital currency, CMDT can promote transactions and exchanges in the supply chain, and provide more flexible and efficient means of payment for the development of the real economy.

The introduction of the CMDT token brings more functions and incentive mechanisms to the Web3 supply chain system, and promotes the development and innovation of supply chain management. It combines the real economy with blockchain cryptocurrency, brings more opportunities and benefits to supply chain participants, and promotes the development and prosperity of the entire economic system. At the same time, the security and traceability of CMDT tokens ensure the trust and peace of mind of participants during transactions and interactions.

The economic model of the CMDT token is based on the needs of the supply chain system and the interaction between participants, aiming to achieve continuous incentives and value delivery. The following are the key points of the main economic model of the CMDT token:

Supply and issuance: The initial supply of CMDT tokens is carried out through pre-sales or initial coin offerings (ICO), ensuring the initial circulation and distribution of tokens. With the development and operation of the system, CMDT tokens may be further supplied through mechanisms such as mining, airdrops, and rewards.

Use and payment: CMDT token, as the internal currency of the supply chain system, has a wide range of uses in the system. Supply chain managers can use CMDT tokens to pay suppliers, service providers, etc.; advertisers can use CMDT tokens to purchase advertising space and promote services; consumers can use CMDT tokens to

purchase goods and enjoy special offers, etc.

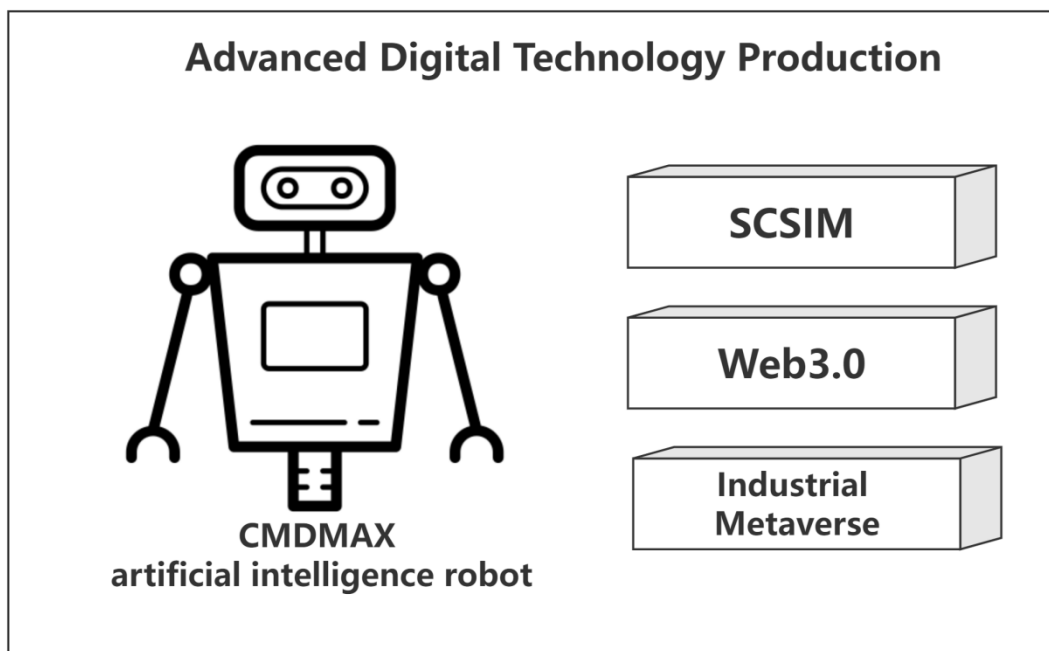
Incentive mechanism: CMDT token encourages participants' positive behavior and contribution through incentive mechanism. Supply chain managers can reward excellent suppliers by paying CMDT tokens, advertisers can obtain more exposure and promotion opportunities by obtaining CMDT tokens, and consumers can obtain CMDT tokens in return by participating in activities and sharing advertisements.

Scarcity and value enhancement: The total supply of CMDT tokens is limited, which endows the token with scarcity, which may increase its value. With the development of the supply chain system and the increase of user participation, the demand and circulation of CMDT tokens may increase, bringing potential value enhancement opportunities for holders.

Market transactions: CMDT tokens can be traded on platforms such as exchanges and exchanged with other cryptocurrencies or legal tenders. This provides liquidity and flexibility for holders to buy and sell according to market demand and expectations.

The economic model of the CMDT token aims to establish a mutually reinforcing ecosystem that promotes the development and prosperity of the supply chain system by motivating participants, facilitating transactions and value transfer. Through a rationally designed economic model, CMDT tokens can bring economic incentives and returns to participants, while increasing the sustainability and attractiveness of the system.

7. AI industrial robot



We have developed a series of AI industrial robots used in conjunction with the Web3 supply chain system, aiming to improve the efficiency and automation of supply chain management. Using artificial intelligence and automation, these robots are able to perform a variety of supply chain tasks, including production, packaging, quality inspection, warehousing and logistics. Through the integration with the Web3 supply chain system, the digitalization, intelligence and decentralization of the supply chain are realized.

Various types of robots: We provide various types of AI industrial robots, including production robots, packaging robots, quality inspection robots, storage robots, and logistics robots. Each robot focuses on a specific supply chain link and can meet different needs of supply chain management.

Artificial intelligence technology: The robot is equipped with advanced artificial intelligence technology, including machine learning, computer vision and natural language processing, etc., capable of intelligent perception, decision-making and task execution. This enables the robot to adapt to different working environments and task requirements.

Automated execution: AI industrial robots can automatically perform various supply chain tasks, reducing manual intervention and improving work efficiency. They are able to handle high volumes of repetitive work, reducing errors and improving production quality.

Integration with Web3 supply chain system: The robot is tightly integrated with the Web3 supply chain system to realize the digitization and decentralization of the supply chain. Through blockchain technology, robots can conduct secure and transparent data interaction and verification with the supply chain system to ensure the credibility and traceability of the supply chain.

Real-time monitoring and feedback: AI industrial robots can monitor the status and execution of supply chain links in real time, and provide feedback and reports. This enables supply chain managers to keep abreast of the operation of the supply chain and make decisions and optimize it.

Production task execution: AI industrial robots can perform production tasks according to production plans and instructions, including raw material processing, assembly and production line operations.

Packaging and quality inspection: Robots can automatically carry out product packaging and quality inspection to ensure product packaging quality and compliance with standards.

Warehouse management: Robots can automatically manage warehouses, including goods in, out, inventory and location management.

Logistics coordination: AI robots can coordinate logistics transportation, arrange the distribution of goods and optimize transportation routes, and improve logistics efficiency.

Data recording and verification: The robot records and verifies supply chain-related data through integration with the Web3 supply chain system to ensure the accuracy and integrity of the data.

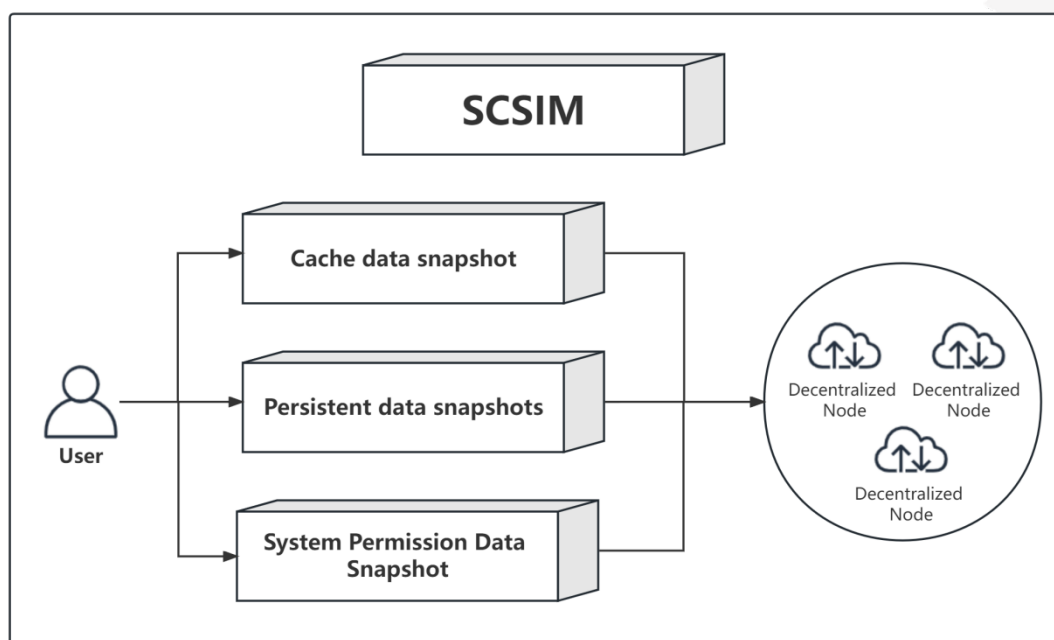
Abnormal handling and early warning: Robots can detect and deal with abnormal situations in the supply chain in a timely manner, and provide early warning and notify supply chain managers.

Through the combination of our AI industrial robot and Web3 supply chain system, enterprises can realize the automation, intelligence and decentralization of the supply chain, and improve the efficiency, reliability and traceability of the supply chain. This will help businesses reduce costs, increase productivity, and provide better products and services.



8. web3.0 Internet

web3.0



SCSIM (Supply Chain Systems and the Industrial Metaverse) supply chain system is developed based on the next-generation Internet technology WebAssembly, aiming to realize the functions and applications of Web3.0. The following is a detailed introduction of the powerful upgrade features of the SCSIM system in terms of product experience interaction, blockchain technology, data storage and artificial intelligence:

Product experience interactive upgrade: SCSIM system focuses on improving user experience and interactivity. By adopting WebAssembly technology, the system can directly run high-performance compiled code on the client, which greatly improves the response speed of the system and the fluency of the user interface. Users can enjoy a faster and smoother operating experience, improving work efficiency and user satisfaction.

Application of blockchain technology: The SCSIM system makes full use of the advantages of blockchain technology to realize decentralized, tamper-proof and reliable supply chain management. Blockchain technology ensures the security and

transparency of data, and eliminates the risk of mistrust and intermediate links in the traditional supply chain. Through the blockchain, supply chain participants can share and verify data in real time, establish trust relationships, optimize supply chain processes, and reduce costs and risks.

Data storage and management: SCSIM system adopts advanced data storage and management technology to ensure efficient, reliable and safe storage of supply chain data. The system uses distributed database and file storage to store data on multiple nodes to achieve redundant backup and high availability of data. At the same time, the system also adopts mechanisms such as encryption and authority control to protect the confidentiality and integrity of data, ensuring that only authorized participants can access and operate data.

Artificial intelligence enhancement: SCSIM system integrates artificial intelligence technology to provide more intelligent support for supply chain management and decision-making. Through machine learning and data analysis algorithms, the system can monitor and analyze supply chain data in real time, identify potential risks and opportunities, predict demand and trends, and provide intelligent suggestions and decision support. This enables supply chain managers to make more accurate decisions, optimize supply chain planning and resource allocation, and improve business flexibility and competitiveness.

Realization of Web3.0 functions: The SCSIM system realizes the functions and characteristics of Web3.0, providing supply chain participants with more rights and interests of decentralization, user autonomy and data ownership. Through the application of smart contracts and cryptocurrencies, the system realizes direct interaction and value exchange between supply chain participants, eliminating interest disputes and unnecessary transaction costs in the intermediate links. At the same time, the system also supports users to own and manage their own data, protecting privacy and data ownership.

To sum up, the SCSIM supply chain system has achieved powerful upgrades in product experience interaction, blockchain technology, data storage and artificial intelligence through WebAssembly-based Web3.0 functions. It provides enterprises with more efficient, reliable and intelligent supply chain management tools, and promotes the development and innovation of the real industry.

8.1. Unified account and password

The SCSIM system is a globally distributed node, and each node server has users from different regions and countries. The SCSIM system supports one account across all node servers in the world, realizing free and seamless switching of user data on any node server. Simply put, your account registered at the SCSIM Tokyo node will generate various data.

These data include: cache data, persistent data and system authority data. These three types of data are the main user data of the SCSIM system. These data belong to the digital private property of the user, exist in an independent file format, and support downloading and uploading. And these data have been signed and verified in the blockchain network to ensure the authenticity and immutability of the data.

But now you need to log in to this account at the Paris node, and import all kinds of data generated by the Tokyo node into the Paris node to continue the previous work. On the contrary, the new data generated by your Paris node can be backed up and restored through the data snapshot of the SCSIM system, and you can go back to the Tokyo node to continue working. The SCSIM system realizes the random switching of each node of the user, does not depend on the node server at all, and is a real distributed mode.

All kinds of data generated in the SCSIM system are completely owned by the user. The SCSIM system only synchronizes your account information on global nodes to ensure that your account information is unique on all SCSIM node servers. The design of SCSIM user system will completely change the traditional Internet account system.

Traditional Internet system users need to enter cumbersome account numbers and passwords to register and log in. Multiple systems are not connected, and account and password specifications are inconsistent. Based on the method of SCSIM user automatic registration and device automatic login, a unified account password is solved.

In the blockchain network, each user has multiple wallet addresses in hexadecimal format, and SCSIM uses these wallet addresses for the authentication required by SCSIM, allowing users to use SCSIM efficiently and securely.

In the web3.0 Internet, each user can have multiple hexadecimal wallet addresses. With this wallet address, you can automatically register and log in to the system automatically. Automatic registration and login of SCSIM users can be done in just a few clicks.

If the user forgets the account number and password at the same time, he only needs to link the distributed wallet and authorize the wallet to SCSIM. It will query all

user accounts based on the wallet address and give feedback to the user. Users can find passwords by account and email address. Solve the unified account number and password.

There are many problems in the web2.0 Internet user system.

Complicated registration method

Useless registration additional information

Always forget the account and password

I don't know how many accounts and passwords there are

Crazy man-machine verification

The SCSIM supply chain system adopts an advanced automatic registration and login method to realize the closed loop of the user system in the form of a unified account password. The following is a detailed description of this function:

Unified account password: The SCSIM system uses a unified account password for user registration and login. Users only need to create an account and password to manage multiple accounts in the system. This method simplifies the user's login process, reduces the cumbersome account memory and management, and improves the user's convenience.

Automatic registration: The SCSIM system realizes the automatic registration function, and the user can complete the registration of the account through simple steps. The system will automatically assign a unique account ID and require the user to set a password to ensure the security of the account. In this way, users do not need to manually fill in complicated registration information, saving time and effort.

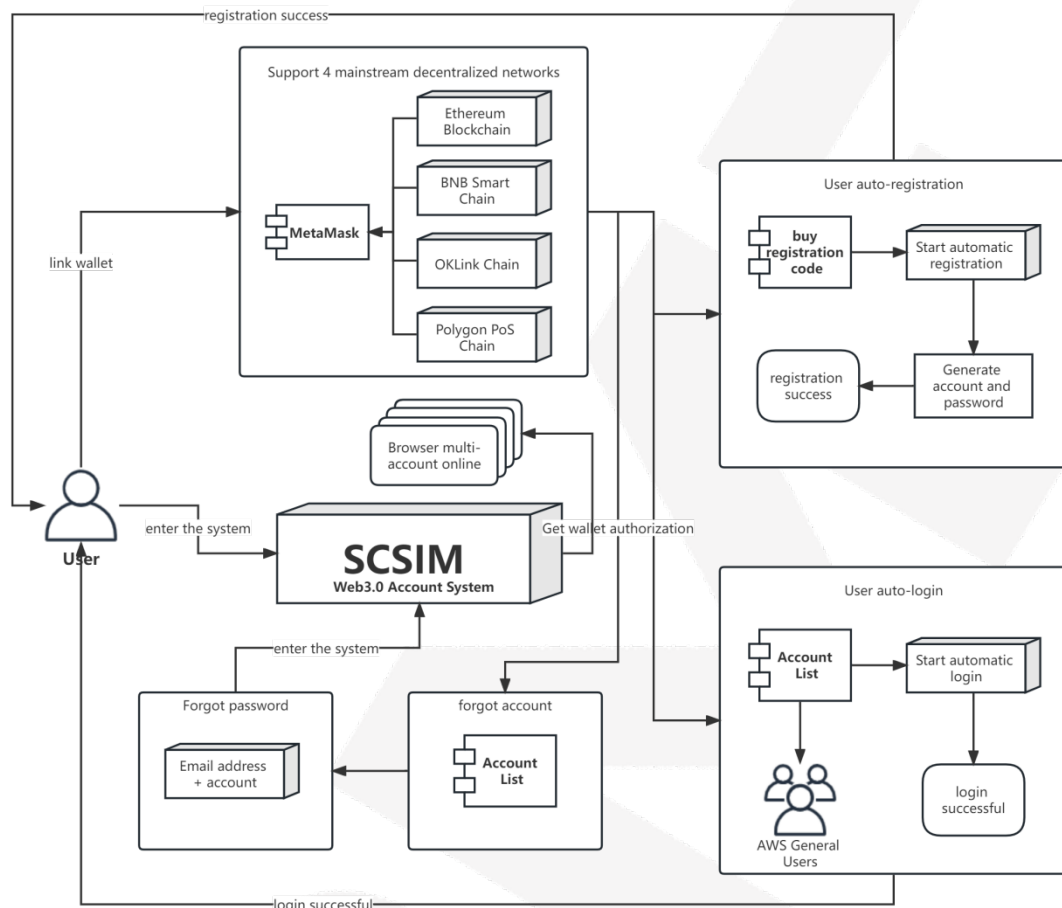
Automatic login: Once the user completes the registration, the SCSIM system will automatically identify the user and log in automatically according to the entered account password when accessing the system next time. The user does not need to enter the account number and password again, eliminating the cumbersome login steps, and quickly enters the system for operation.

Retrieval of forgotten account and password: If the user forgets the account or password, the SCSIM system provides the corresponding retrieval function. Users can retrieve their account or reset their password by providing some necessary verification information (such as the email address or mobile phone number used during registration). In this way, users will not be unable to log in to the system normally because they forget their account numbers or passwords.

Browser multi-account online: SCSIM system supports simultaneous login of multiple accounts on the same browser page. Users can open multiple tabs in one browser window, and log in different accounts in each tab, so as to realize simultaneous online operation of multiple accounts. This method facilitates the user to switch and manage between different accounts, and improves work efficiency.

Through automatic registration and login, the SCSIM supply chain system solves the problem of only one account login on the same browser page in the traditional Internet, and also provides data backup and recovery functions to ensure user data security and continuity .

To sum up, the automatic registration and login function of the SCSIM supply chain system provides users with a convenient, safe and efficient user management experience, and improves the usability and user satisfaction of the supply chain system.



In the SCSIM system, users of the blockchain network can have multiple wallets in hexadecimal format, and these wallet addresses are used as the authentication module

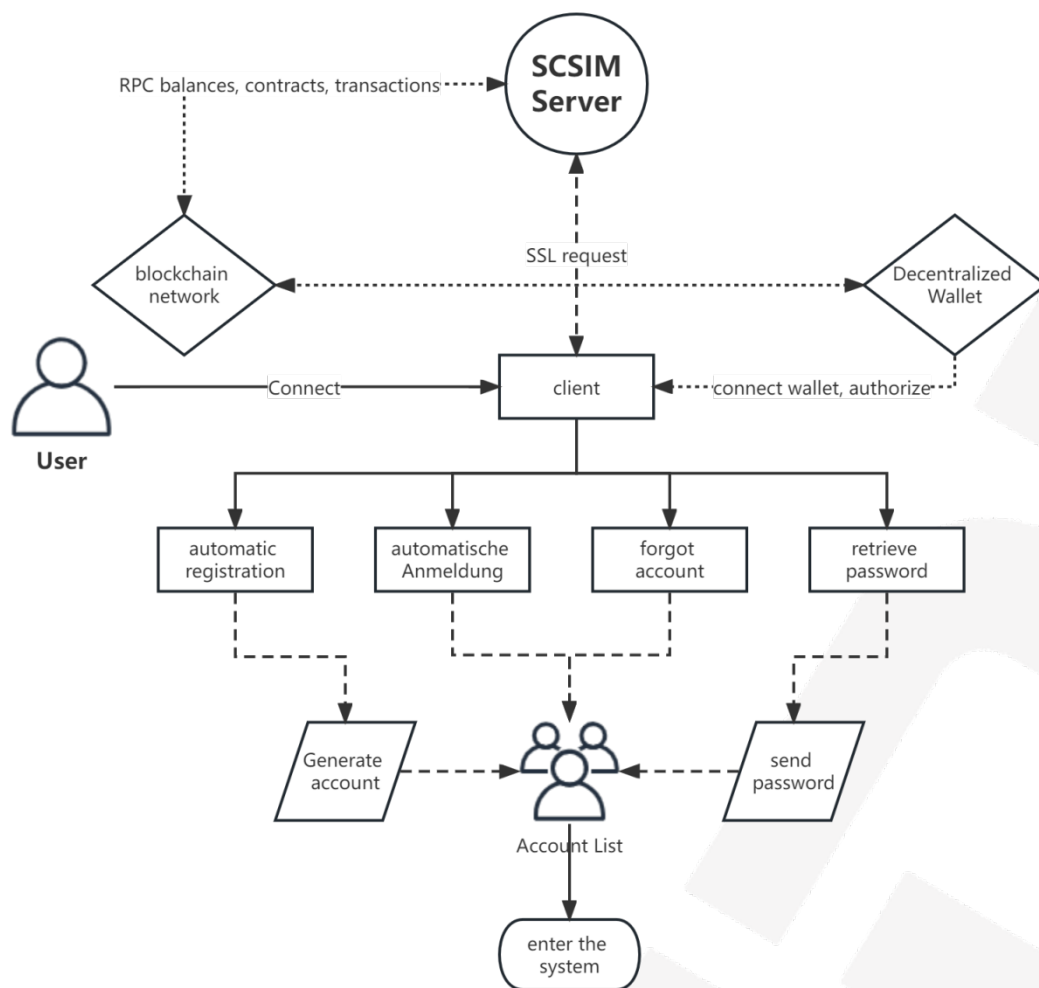
of the system. For users, they only need to log in once in the Metamask wallet to authorize the wallet to interact and access the SCSIM system.

Metamask is a commonly used Ethereum wallet plugin that provides a secure wallet environment where users can manage and use their cryptocurrency assets. Through the integration with the SCSIM system, users can use the address they have in the Metamask wallet to verify their identity and perform system operations.

Once users are logged in and authorized in the Metamask wallet, they can use various functions of the SCSIM system, including browsing supply chain data, conducting transactions, and managing contracts. The user's wallet address will be used as the basis for authentication to ensure that only authorized users can access the system.

This integrated approach makes the user experience more convenient and secure. They do not need to create a new account and password for each system separately, they only need to log in to the Metamask wallet once to authorize access to the SCSIM system. This simplifies the user management process and provides greater security, as the user's private key and transaction authorization are managed by the Metamask wallet.

Through the integration with the blockchain wallet, the SCSIM system can provide more convenient and secure authentication and access methods, enabling users to easily manage and operate their supply chain data and transactions. This integration also strengthens the security and reliability of the system, providing users with a better experience.



The integration of the SCSIM system and the Metamask wallet provides users with convenient account management and access methods. By only logging in to the Metamask wallet once and authorizing the SCSIM system, users can enjoy the following functions and features:

Automatic account registration: Users can automatically register an SCSIM account through the Metamask wallet without filling in cumbersome registration forms or providing personal information. The registration process is simplified, you only need to confirm the authorization in the Metamask wallet to complete the account registration.

Automatic account login: Once a user completes account registration and authorizes their Metamask wallet to the SCSIM system, they can automatically log in on subsequent visits. The user does not need to manually enter the account number and password, but only needs to select the existing Metamask wallet address on the login page to automatically log in to the SCSIM system.

Forgot account retrieval: If users forget their SCSIM account, they can retrieve account information through Metamask wallet. The SCSIM system will verify with the Metamask wallet, and after the user is successfully authenticated, provide the corresponding account recovery function, enabling the user to regain access to their account.

Forgot password: Unlike the traditional login method of username and password, the SCSIM system uses the authorization of the Metamask wallet as the login credential, so users do not need to worry about forgetting the password. They only need to ensure that they have access to their Metamask wallet, and they can log in to the SCSIM system at any time.

Browser multi-account online: SCSIM system supports simultaneous online multiple accounts in the same browser. Users can quickly switch to different account identities by switching between different Metamask wallet addresses, without having to log out of the current account or open a new browser window.

Through one login and authorization of the Metamask wallet, the SCSIM system realizes functions such as automatic account registration, automatic login, account retrieval and forgotten password, and supports multiple online accounts in the same browser at the same time. Such integration provides a convenient, secure and flexible user account management experience, allowing users to use and manage the SCSIM system more easily.

8.2. Instant messaging service

The instant messaging service we developed is a powerful communication tool designed to provide users with safe and reliable instant messaging and data storage services. The service supports distributed storage and recovery of communication data, and also provides blockchain network signature verification function to ensure the integrity and security of communication data.

Instant Messenger: Provides real-time message delivery function, allowing users to communicate and exchange with others conveniently and quickly.

Data distributed storage and recovery: Distributed storage technology is used to store communication data on multiple nodes to ensure data reliability and redundant backup to prevent data loss.

Blockchain network signature verification: Use blockchain technology to perform signature verification on communication data to ensure data integrity and prevent tampering, increasing communication security.

Multi-terminal synchronization: It supports simultaneous use on multiple devices, and can realize message synchronization, so that users can obtain the latest communication data anytime and anywhere.

File transfer: In addition to text messages, it also supports file transfer, allowing users to easily share and receive various types of files.

Instant Messaging: Users can send instant messages to other users to communicate and communicate in real time. **Distributed data storage:** communication data will be distributed and stored on multiple nodes to ensure data security and reliability.

Data recovery: In case of node failure or data loss, the system can automatically recover data to ensure data integrity and availability. **Blockchain signature verification:** Communication data will undergo blockchain signature verification during transmission to ensure data authenticity and prevent tampering.

Multi-terminal synchronization: When users use the communication service on different devices, they can realize message synchronization and maintain data consistency. **File transfer:** Users can easily transfer various types of files, including pictures, audio, video, etc. **Encryption and security:** Communication data will be encrypted during transmission and storage to protect user privacy and data security.

Safe and reliable: using distributed storage and blockchain signature verification technology to ensure the security and integrity of communication data.

Multi-terminal synchronization: It supports simultaneous use on multiple devices, and can realize message synchronization to provide a convenient user experience.

Data recovery: In case of node failure or data loss, the system can automatically

recover data to avoid data loss and unavailability. File transfer function: It is convenient for users to transfer and share files, improving work efficiency and communication convenience. User-friendliness: Provide an intuitive and easy-to-use interface and operation mode, so that users can easily use the instant messaging service.

8.3. AI Simultaneous Interpretation

CMDMAX is committed to promoting the globalization of enterprises. Whether you are a private owner or a large company, doing business internationally will inevitably encounter multilingual communication problems.

AI Simultaneous Interpretation is an innovative voice translation tool designed to solve the problem of language barriers for users in cross-border communication. Through our trained multilingual translation model, voice synthesis model and voice recognition model, users can easily translate their native language and synthesize voices with their own timbre to realize the custom timbre function. AI simultaneous interpretation enables users in any two countries to communicate smoothly without relying on translation software.

Multilingual translation: Based on the training multilingual translation model, it supports real-time voice translation between users, realizing the convenience and fluency of cross-language communication.

Voice synthesis: Through the voice synthesis model, the translated text is converted into sound, so that users can hear various languages expressed in their own timbre, increasing the naturalness and personalization of communication.

Voice recognition: With the help of the voice recognition model, the user's voice is converted into text, so as to carry out accurate translation and the process of synthesizing voice, and provide a high-quality translation experience.

Custom tone function: users can customize their own tone, and match the translated voice with the real voice of the individual, making the translation closer to the user's personality and style.

Real-time communication: AI simultaneous interpretation supports real-time voice translation, allowing users to convey and understand each other's meaning in real time, and promote cross-cultural communication and cooperation.

Voice translation: Users can use their native language for voice input, and the system will automatically translate and output the translation result in the form of synthesized voice.

Custom timbre: Users can choose the appropriate timbre according to their preferences and needs, so that the translated voice can match the individual, realizing a personalized translation experience.

Real-time communication: Users can conduct real-time voice conversations, and the system will perform voice translation and synthesize sounds in real time, enabling

both parties to communicate smoothly.

Multilingual support: AI simultaneous interpretation supports translation in multiple languages, covering major languages around the world, allowing users to easily communicate with people from different countries.

Text-to-speech: In addition to voice translation, users can also perform translation and voice synthesis through text input to meet the needs and usage habits of different users.

Accuracy of voice recognition: The system adopts advanced voice recognition technology, which can accurately recognize the user's voice and convert it into text for translation and voice synthesis.

Solve language barriers: AI simultaneous interpretation helps users solve language barriers in transnational communication and realizes smooth voice translation and communication. **Custom timbre:** Users can freely choose and customize their own timbre, making the translated voice more personalized and close to the user's style. **Multilingual support:** The product supports translation of multiple major languages to meet the communication needs of users around the world.

Real-time and accuracy: AI simultaneous interpretation provides real-time speech translation and synthesized voice functions, while ensuring the accuracy of translation and recognition, providing a high-quality translation experience. **User-friendliness:** The product interface is simple and intuitive, and the operation is convenient, allowing users to get started easily and enjoy a convenient cross-language communication experience.

8.4. Interactive Ads

The interactive advertising platform is an advertising service platform based on Web3.0, which aims to break the monopoly of traditional advertising platforms, return advertising costs to consumers, and provide interactive advertising experience. Through this platform, advertisers can place advertisements for free, and consumers can participate in interactive activities by browsing advertisements, get rewards for advertising fees, and can immediately withdraw cash to their wallets. Advertising fees are paid in cryptocurrencies to ensure secure payment and fast settlement.

Returning advertising costs to consumers: Different from traditional advertising platforms, interactive advertising platforms directly return advertising costs to consumers who browse advertisements, encouraging users to participate in advertising interactions and improving advertising conversion rates.

No PPC: Advertisers place advertisements on the interactive advertising platform for free, without the need for PPC, which lowers the threshold for advertising and enables more advertisers to participate.

Cryptocurrency payment: Advertising fees can be paid in cryptocurrencies (such as ETH, BNB, OKT, MATIC, USDT, CMDT) to ensure the security and transparency of payment.

Instant cash withdrawal: The advertising fees obtained by consumers can be withdrawn to the wallet immediately, providing a fast and convenient way of fund transfer and increasing the enthusiasm of users to participate.

Interactive advertising experience: The advertising platform provides rich forms of interactive activities, allowing consumers to obtain advertising fee rewards by participating in activities, increasing users' interest and participation in advertising content.

Advertisement delivery: Advertisers can place advertisements on the interactive advertising platform for free, select the target audience and advertisement content, and set the payment method for advertisement fees.

Interactive activities: The advertising platform provides a variety of interactive activities, such as quiz, lottery, games, etc. Consumers can get advertising fee rewards by participating in activities.

Advertising fee payment: Advertising fees can be paid with supported cryptocurrencies to ensure the security and convenience of payment.

Instant cash withdrawal: The advertising fee rewards obtained by consumers can be withdrawn to the wallet immediately, providing fast fund transfer and flexibility of use.

Advertising statistics and analysis: The advertising platform provides statistics and analysis functions for advertising delivery effects to help advertisers understand the conversion of advertising and user engagement.

Encourage user participation: return advertising fees to consumers, encourage users

to actively participate in advertising interactive activities, and increase advertising conversion rates. Reduce the cost of advertising: Advertisers place advertisements on the interactive advertising platform for free without bidding for rankings, which reduces the cost of advertising. Cryptocurrency payment: Cryptocurrency is used to pay advertising fees to ensure payment security and fast settlement. Instant withdrawal to the wallet: The advertising fee rewards obtained by consumers can be withdrawn to the wallet immediately, providing a fast and convenient way of fund transfer. Rich interactive experience: Provide a variety of interactive activities to increase users' interest and participation in advertising content and improve advertising effectiveness. Provide data analysis support: the platform provides advertising statistics and analysis functions to help advertisers understand advertising effects and optimize advertising strategies. Through the interactive advertising platform, we are committed to creating a fair, transparent and motivating advertising ecosystem for advertisers and consumers, increasing the conversion rate of advertising, and promoting the success of product sales and promotion.

In our interactive advertising platform, we support consumers to participate in interactive activities by searching for keywords, so as to obtain advertising fee income. The following is the detailed operation process:

Advertisement placement: Advertisers place advertisements on the interactive advertising platform for free, and set the payment method for advertising fees and the rules for participating in interactive activities.

Keyword placement: Advertisers place keywords on the ad page, which are usually related to the content of the ad. Keywords can be words, phrases, or other forms of identifiers.

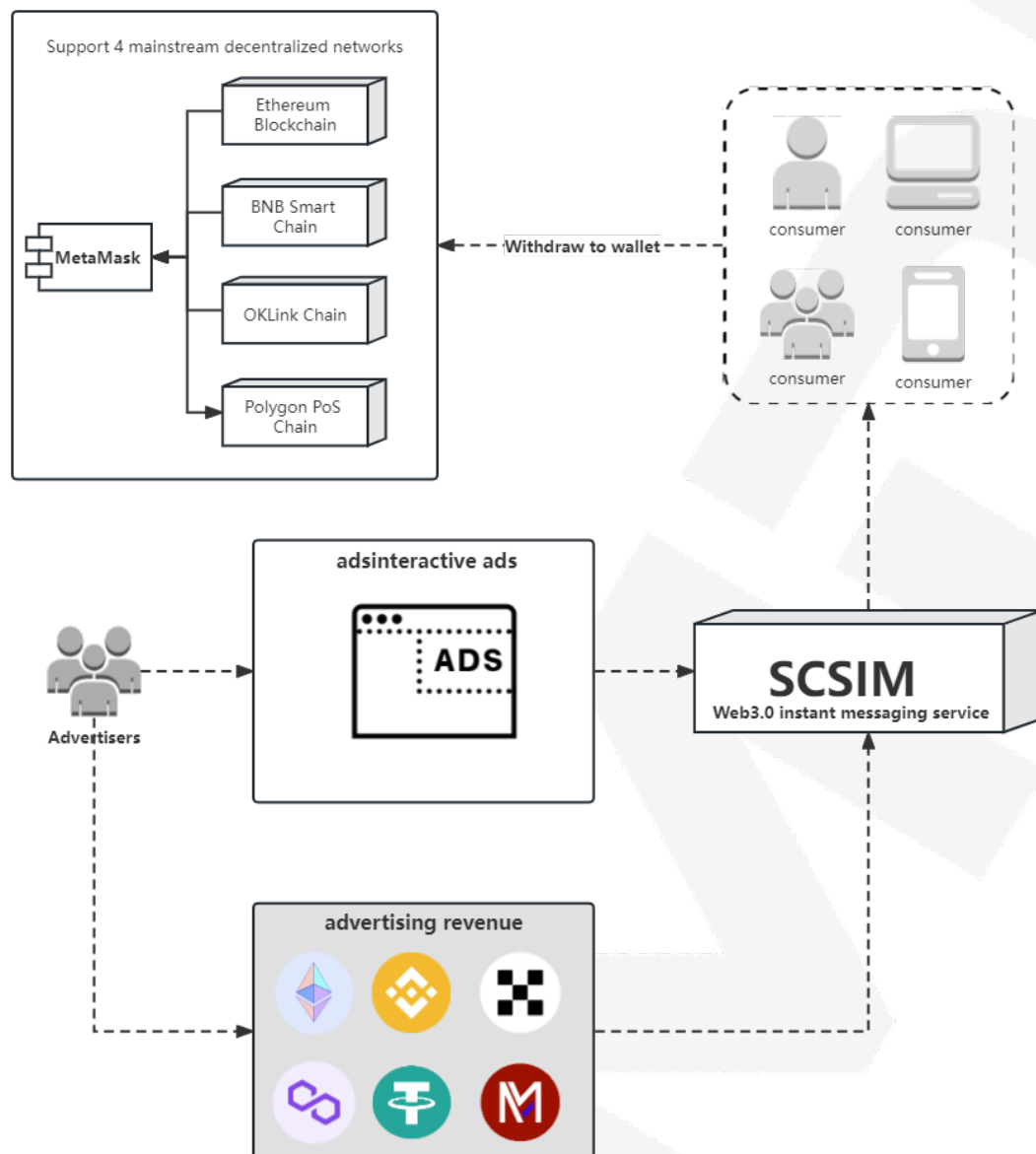
Consumers browse advertisements: Consumers visit advertisement pages, carefully browse the contents of advertisements, and look for keywords placed on the pages. This creates higher conversion rates and better ad performance for advertisers.

Search for keywords: Consumers carefully search for keywords on the advertising page. This may require perusing, watching or interacting with the ad to find the desired keyword.

Return to fill in keywords: Once consumers find keywords, they can return to the specified page or form to fill in or submit the found keywords. This is to verify that the consumer actually viewed the ad and found the keyword.

Earn advertising fee income: Once consumers successfully fill in or submit keywords, they will receive advertising fee income. These advertising fees can be immediately withdrawn to their wallets, providing a fast and convenient way to transfer funds.

In this way, we encourage consumers to actively participate in interactive activities, increasing the conversion rate and effectiveness of advertising. At the same time, advertisers are better able to capture the attention of consumers and create a better advertising experience for them. The whole process makes advertising more accurate and effective, creating a win-win situation for advertisers and consumers.



9. About CMDMAX

CMDMAX focuses on the innovation team of artificial intelligence, blockchain and metaverse technology

Our team is an innovative team focusing on artificial intelligence technology, blockchain technology and metaverse technology. We are committed to developing and launching the highest quality products to serve our users and maintain a leading position in the ever-changing technological field. The following are the core features and strengths of our team:

Multidisciplinary Expertise: Members of our team have broad multidisciplinary backgrounds covering artificial intelligence, blockchain, computer science, data science, design, and more. This allows us to combine knowledge and technologies from different fields to create innovative and unique products.

Technical expertise: Our team has deep technical expertise in the areas of artificial intelligence, blockchain, and metaverse technologies. We are familiar with various artificial intelligence algorithms and technologies, such as machine learning, natural language processing, computer vision, etc., as well as the principles and applications of blockchain technology, such as smart contracts, decentralized application development, etc. In addition, we also have a deep understanding and practical experience of the concepts and technologies of the Metaverse.

Innovative thinking: Our team adheres to innovative thinking, constantly exploring and trying new technologies and application fields. We focus on identifying problems, challenging the status quo, and proposing unique and innovative solutions. We encourage the creativity and ideas of team members, and promote the development of innovation through collaboration and communication.

User Orientation: Our product development process is always user-centered. We have a deep understanding of user needs and pain points, collect data through user research and feedback, and incorporate it into product design and development. We pursue simplicity, ease of use and user-friendly interface and functions to provide the best user experience.

High-quality products: We never compromise on the pursuit of product quality and technology. We employ best development practices and strict quality control processes to ensure our products are stable, safe and efficient. We conduct continuous testing and optimization to ensure products are of the highest standard and keep pace with the latest technological trends and market demands.

Collaboration and cooperation: Our team values collaboration and cooperation. We believe that through teamwork and shared knowledge, more creative and impactful

solutions can be created. We encourage communication and cooperation among members to continuously improve the overall capabilities and innovation capabilities of the team.

Through our team's expertise, technical expertise, innovative thinking, user orientation, and high-quality products, we strive to create the best products to serve the masses. We will continue to strive to innovate and work with users and partners to build a more intelligent, transparent and convenient future.

10. Cooperation and development

Cooperation and development are the key aspects of our team's continuous progress. We actively cooperate with various partners, enterprises and institutions to jointly promote technological innovation and business development. The following are the details of our cooperation and development:

Industrial partners: We establish strategic partnerships with enterprises from all walks of life to jointly explore and develop innovative solutions. We cooperate with leading companies in manufacturing, financial services, healthcare, energy and other industries to provide reliable and efficient solutions by applying artificial intelligence, blockchain and metaverse technologies to actual scenarios, helping companies achieve digital transformation and Business optimization.

Technology Partners: We cooperate with other technical teams, research institutions and developer communities to jointly research and promote technological innovation. We actively participate in open source projects, share and communicate the latest technological progress with the technical community, and promote open cooperation and knowledge sharing.

Academic cooperation: We cooperate with universities and research institutions for joint research and project cooperation. Through cooperation with academia, we can obtain cutting-edge research results and professional knowledge, and continuously improve the technical strength and innovation ability of our team.

Blockchain ecological cooperation: We actively participate in the blockchain ecosystem, establish connections with other blockchain projects and communities, and jointly explore the application of blockchain technology in supply chain, finance, Internet of Things and other fields. We participate in the formulation and promotion of industry standards, and promote the development and application of blockchain technology.

User feedback and cooperation: We value user feedback and work closely with users. We regularly communicate and communicate with users to understand their needs and pain points, and constantly optimize and improve our products and services to provide a better user experience and meet user needs.

Through the above cooperation and development, our team will continue to expand its influence and innovation capabilities, promote the wide application of artificial intelligence, blockchain and metaverse technologies in various industries, and provide users and enterprises with more reliable and efficient services. We will continue to work closely with our partners to create more exciting innovations in the future.

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[
ceo@cmdmax.com
www.cmdmax.com
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