



Introduction of GMC Public Chain & GMCC Applications

OF

EVER

**“ OUR MISSION IS NOT TO
COMPLAIN OR TO INDULGE,
BUT TO UNDERSTAND ”**

– Georg Simmel, 1858–1918

GMC-Core is a core value embodiment terminal based on the global industry general collaboration platform GMC, abbreviated as GMCC.

- GMCC innovatively introduced a distributed topology network structure of users as nodes in decentralized technology. All users will automatically have a unique node identity calculated by the Hash algorithm, and form node link communication through the node identity
- The communication between all nodes will automatically generate the corresponding GMC transaction and broadcast it to the GMC main network. This kind of node communication on-chain technology ensures that the information cannot be tampered on the basis of maintaining anonymity, and at the same time allows the nodes of the entire network to link. Communication is always valid.

GMC DESIGN BACKGROUND AND PHILOSOPHY

Mutual Recognition
(data structure)

Mutual Connect
(Interface Protocol)

Mutual Working
(Underlying architecture)

Mutual Trust
(Security Mechanism)

Mutual Visit
(Business model)



GMCC DIVERSIFIED CIRCULATION AND TRACEABILITY



Support all circulation tokens and traceability on the GMC chain.

Support the storage and transactions of multi-chain decentralized node hot and cold wallets such as BTC and ETH

All changes and evolutions since the history of mankind have proved that the best value manifestation is equivalent logistics exchange. The ownership value manifestation on the GMC chain also has this feature.

There is an integrated decentralized circulation exchange function on GMCC, which can be exchanged according to the different needs of node users and merchants across the network.

DESIGN PHILOSOPHY: **5S PRINCIPLE**

The GMC team explores the "minimum" abstract design required for trusted converged connectivity, fully considers the security, expansion, and usability issues of cross-industry collaborative interaction, and proposes targeted solutions that need to follow the 5S principle:





SYNERGETIC

Cross-industry collaboration and efficient collaboration

- The goal of creating a universal industry collaboration is to bridge the high walls between industries and connect many islands of trust, so that trust can be transferred to a wider range.
- In order to enable these businesses based on many different industries to work together seamlessly, we first need to design common data structures and interaction protocols to minimize the cost of data format conversion and adaptation between different industries.
- GMC follows the design concept of satisfying efficient cross-industry business collaboration. According to the principle of "one-time adaptation, available everywhere", it refines the "core interface subset" necessary for cross-industry interaction. Difficulties caused by the differences in platform interfaces of various industries due to different technologies.



SCALABLE

Cross-chain network layered and scalable

- Cross-chain can not only support the interconnection between heterogeneous blockchains, but also help the expansion of homogeneous blockchain platforms. Common multi-channel, multi-group, multi-chain and other extension solutions need to rely on cross-chain components to get through channels, groups, and chain-to-chain interactions.
- With the evolution of cross-chain business collaboration, more and more services have interconnection requirements. One-to-one cross-chain will evolve into one-to-many, many-to-many, and even more complex topological structures.
- **GMC follows the design concept of supporting hierarchical expansion of cross-chain networks. The design of cross-links consists of protocols and modules, supports distributed interconnection of multiple blockchains, carries various topologies such as tree and star, and supports multi-level deep cross Chain collaboration. At the same time, we will design a governance structure of multi-party joint construction and co-governance to achieve sustainable expansion of the cross-chain network.**



SWIFT

Cross-link entry is efficient and convenient

- Due to the diversified characteristics of the blockchain platform, developers need to learn a set of blockchain development operation and maintenance processes for each new blockchain platform access. Access across different blockchain platforms will increase learning costs .
- **GMC follows the concept of providing developers with efficient and convenient access methods, designing a full set of development components such as SDKs, interactive consoles, and visual browsers to simplify cross-chain interactive processes and design "what you see is what you get" operation and maintenance A tool that supports one chain to initiate cross-chain operations.**



STORE

Distributed storage of data across industries

- At present, except for Bitcoin and Ethereum, there is no real public chain in the blockchain industry, which belongs to the category of alliance chain.
- BitCoin and Ethereum as a real public chain, the disadvantage is that the threshold for building a node is very high, and it must be completed by very professional and experienced relevant program developers, and the synchronization process is very slow.
- At present, other alliance chain platforms with public chains on the market only have the function of super nodes. If there is a problem with the super node, the data will be irreparably damaged, and if this type of alliance chain wants to Building a node also has the disadvantage of high threshold.
- **GMC follows the concept of blockchain distributed storage. In the underlying design, it refers to the concept of super nodes in order to support high performance. It also refers to the design of devices as nodes. Users can build nodes with one click in the visual operation component It can be done without professional developers.**



SECURE:

Cross-industry communication is safe and reliable

- One of the important features of the blockchain is to achieve trusted access to data through decentralization, consensus mechanisms, and cryptography technologies.
- However, this security mechanism can often only form a closed loop within a blockchain platform. When interacting between two or more blockchain platforms, it is necessary to further break through the security boundaries of the original platform and establish a stronger Security guarantee mechanism.
- **GMC follows the design concept of ensuring security and credibility of cross-platform operation, introduces CA identity authentication mechanism, encrypts and strengthens communication links, strictly restricts access rights, and designs a multi-dimensional Merkle attestation mechanism, as well as multiple atomic transaction mechanisms to ensure cross-platform The platform can trust the entire process data of cross-chain interaction.**

CROSS-CHAIN SYSTEM ARCHITECTURE

GMC's cross-chain system architecture design fully considers the multi-blockchain interconnection across industries, institutions and regions. Whether it is a newly deployed blockchain platform or an existing blockchain platform, it can be based on the The blockchain system is abstract and seamlessly connects to the GMC platform without changing the underlying layer of the original



GMC CORE TECHNOLOGY AND BENEFITS

Based on the abstraction of the blockchain system, the architecture of the cross-chain system and the top-level design of the trusted interaction process, GMC has refined four technical points to realize the core functions of the cross-chain:

Universal Blockchain Interface

UBI, Universal Blockchain Interface

GMC designs a set of common blockchain data protocols, abstracting and refining core data structures and resource definitions common to mainstream blockchains, enabling multiple blockchain platforms to interact with unified data protocols and greatly reducing blockchain The difficulty of interaction between platforms.

HIP

Heterogeneous Interchain Protocol

GMC designs universal network interaction protocols and unified interaction modes for mainstream blockchain platforms. Through simple adaptation, it can realize the connectivity of heterogeneous blockchain platforms.

Trust Transaction Management

TTM

GMC uses cryptography technology and distributed algorithms to ensure that the data exchanged between the blockchain platforms is authentic and difficult to tamper, and to ensure the atomic transactional nature of the business logic, so that any two transactions associated between the blockchain platforms can Complete execution or complete rollback.

Multilateral Inter-Domain

MIG

GMC designs a scalable and decentralized cross-chain governance architecture that allows multiple blockchain businesses to jointly build a governance chain for cross-chain interaction management according to their specific needs. The governance chain carries authority control, transaction management, Governance functions such as access mechanisms and regulatory

BYZANTINE FAULT TOLERANCE – DELEGATED PROOF OF STAKE

(BFT-DPOS, Byzantine Fault Tolerance – Delegated Proof Of Stake)

GMC follows the CAP principle in the design of the consensus mechanism, and uses the BFT-DPOS consensus mechanism to ensure the availability and fault tolerance of the system. Combined with the comprehensive consideration of design concept, user experience and platform characteristics, GMC has the following three main advantages:

Open source

GMC adheres to the principles of open source and openness, and maintains the iterative upgrade of the platform together with the community, works together to build a more powerful and better cross-chain platform.

Development friendly

GMC provides multi-language SDK for developers to use, and provides visual management tools to facilitate user development, debugging and operation and maintenance.

Safe and reliable

GMC guarantees the confidentiality of cross-chain data and the security of the system based on various mechanisms such as encryption, access, isolation and traceability.

GMC LAUNCHING DESCRIPTION

The GMC platform uses a balanced deflation model to build the platform ecology. Balanced deflation can greatly simplify the interaction between the system platform and users, effectively achieve the resource isolation of use rights and rights, and make the platform business not affected by external economic fluctuations. Ensure that the platform can operate continuously, steadily and healthily.

Distribution model

Balance Deflation Model

Consensus mechanism

BFT-DPOS

Total number of issuance

**100000000
(1 billion)**

Block time

3 seconds

DISTRIBUTION PLAN

The issuance of TCP represents the beginning of an era, opening up the interoperability of value in the global general industry, opening up trust islands between platforms, and realizing a new situation of value sharing and win-win cooperation in a true sense. Once TCP is issued, it will never be issued again. In order to embody its value and balance the true meaning of the deflation model, GMC plans and distributes plans in smart contracts when issuing TCP as follows:

DISTRIBUTION PLAN

Super Node Pledge

As 21 super nodes to ensure the stable operation of the GMC platform, each super node needs to pledge 5000000 (5 million) as a vote, a total of 105000000 (105 million).

Founding Team and Development Team

Pre-dig 50 million (50 million) for initial ecological construction and later technical maintenance. Ecological construction fund: pre-mining 100,000,000 (100 million) in the later stage of ecological construction, the latter ecology includes global business collaborative links, cross-platform advertising, decentralized encrypted chat, etc. For details, please refer to the following GMC ecological description.

DISTRIBUTION PLAN

Node Block Mining Pool

745000000 (740 million), all users and platforms participating in GMC are an independent node, each node will form a block mining pool in the corresponding node after the completion of building and hosting, there will be a certain number of block mining pools TCP, and the TCP in the block mining pool will become the only value circulation and exchange of users on the platform.

Destruction Mechanism

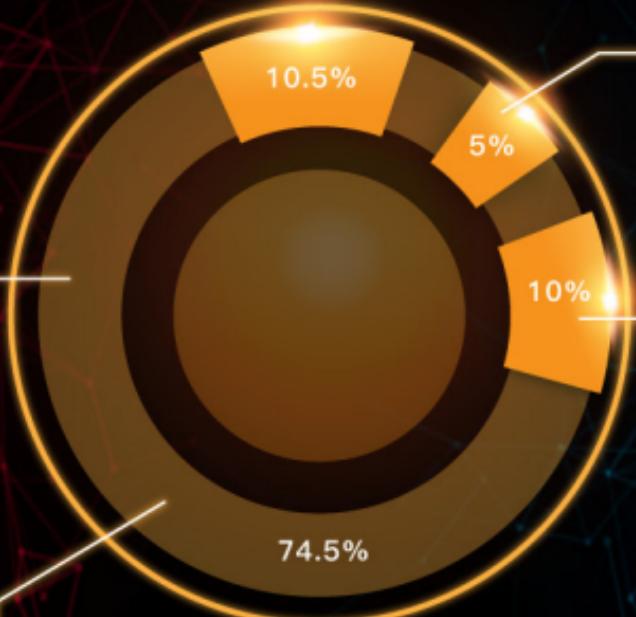
The destruction mechanism of traditional tokens basically adopts the method of repurchase, and then they are destroyed in a unified manner. This method is man-made and does not conform to the decentralized idea. GMC pioneered the use of multiple destruction mechanisms on the destruction mechanism, which is intelligent. The contract will implement different destruction strategies according to the different behaviors on the chain, so as to achieve long-term deflation. It is expected to permanently destroy 20% of the circulation per month and the total destruction is 70% of the circulation.

DISTRIBUTION PLAN

Super Node Pledge
105,000,000

**Node Block
Mining Pool**

745,000,000



**Founding Team and
Development Team**
50,000,000

**Ecological
Construction Fund**
50,000,000

GMC ECOLOGY

The concept of an ecosystem is derived from biological terms and is used to describe the interaction of biological communities and the relationship with their environment. Now, this analogy has been extended to the blockchain world, where the ecosystem involves different participants, including the interaction between participants, the relationship with the decentralized application of the blockchain, and the external real world.



Digital asset
exchange



Global Business
Collaboration Link



Judicial
cross-domain



IoT
cross-platform



Decentralized
encrypted chat



Advertising across
platforms

GLOBAL BUSINESS COLLABORATION LINK

The GMC technical team first proposed the relay node (Replay) fee payment mechanism. At the same time, it designed two payment mechanism protocols: multi-party payment protocol (MPP) and designated payment protocol (VIP-191).

◎ Multi-party payment agreement (MPP)

Allow an account on the chain to pay transaction fees for transactions sent from the specified account to the account. MPP is mainly aimed at DApp owners who have multiple contract accounts on the chain. In the agreement, only DApp owners can set MPP for their contracts. Since MPP needs to record related information on the chain, there will be a certain indirect cost. Therefore, from a cost perspective, the MPP protocol is more suitable for scenarios where there is a relatively stable relationship between users and DApps.

◎ Designated payment agreement (VIP-191)

As a supplement to the multi-party payment protocol (MPP), it provides greater flexibility for transaction fee payment on VeChain. VIP-191 allows the transaction sender to find any fee payment party without having to be the contract pointed to by the transaction owner. In other words, the user does not necessarily choose the DApp or application project party to pay the miner's fee, but has a diversified choice.

ADVERTISING ACROSS PLATFORMS

GMC has specially designed a decentralized multimedia information distribution system, referred to as De-ADS.

De-ADS has fully solidified the safety mechanism:

- Advertisers adopt independent permission encryption management to ensure that the system uses distinct levels and clear permissions.
- Network transmission link security, supports SSL protocol, encrypts transmitted data to ensure that data arrives safely.
- Integrity verification of published content, through MD4 / MD5 to verify the integrity of published content.
- Through the automatic feedback method of the terminal node, the effectiveness of the published content effect is guaranteed and the tampering of the advertising content is prevented.
- Encryption of published content. During content publishing, terminal nodes prevent content theft, copying, and modification during receiving.
- SSH protocol connection and configuration service.

ADVERTISING ACROSS PLATFORMS



DECENTRALIZED ENCRYPTED CHAT

GMC has carried out effective technical integration of point-to-point information transmission and information encryption in the field of instant messaging. It has the characteristics of high reliability, privacy, and secure transmission. There is no central server to store data, and the information is sent anonymously. Personal communications are still of great value in business applications.

Why choose encrypted chat on the GMC platform?



Privacy

Messages are highly encrypted and can self-destruct.



Cloud Computing

Allows you to access your messages from multiple devices.



Fast

Deliver messages faster than any other application.



Distributed

Servers are spread all over the world.



Open

Free open APIs and protocols for everyone.



Free

Free forever. No advertising. No subscription fee.



Secure

Protect your privacy from hackers.



Strong

No limit on file and session size.



Fan Economy

Quickly build fan base with one click.

Why can you do with encrypted chat on the GMC platform?



Communication

Communicate with the most remote areas.



Management

Coordinate groups of up to 100,000 members.



Synchronize

Sync chat history across all your devices.



Transmission

Send any type of file.



Encryption

Encrypt personal and trade secrets.



Burn

Protect chat content after reading.



Storage

Store your files in the cloud.



Construct

Build your own tools on our API.

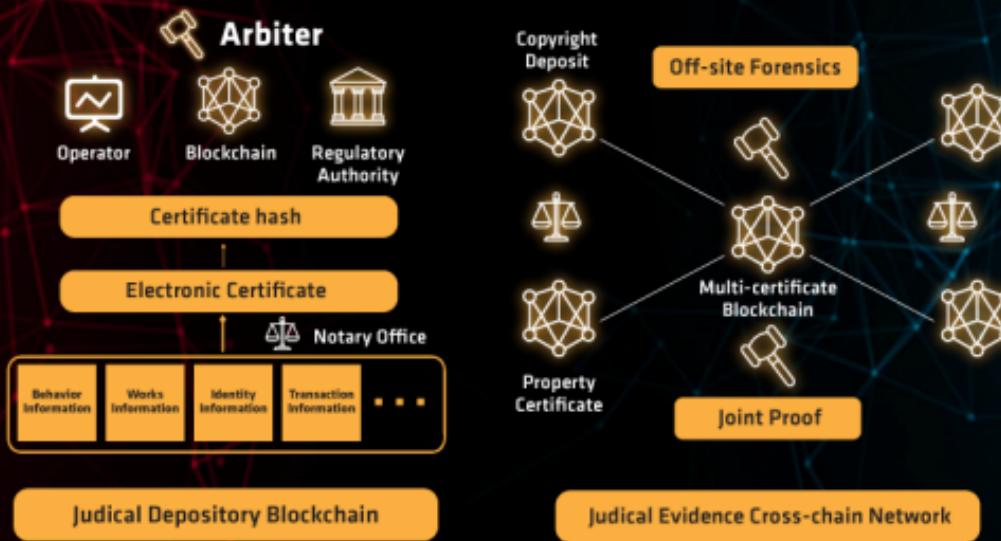


Resources

Mass users can become resources.

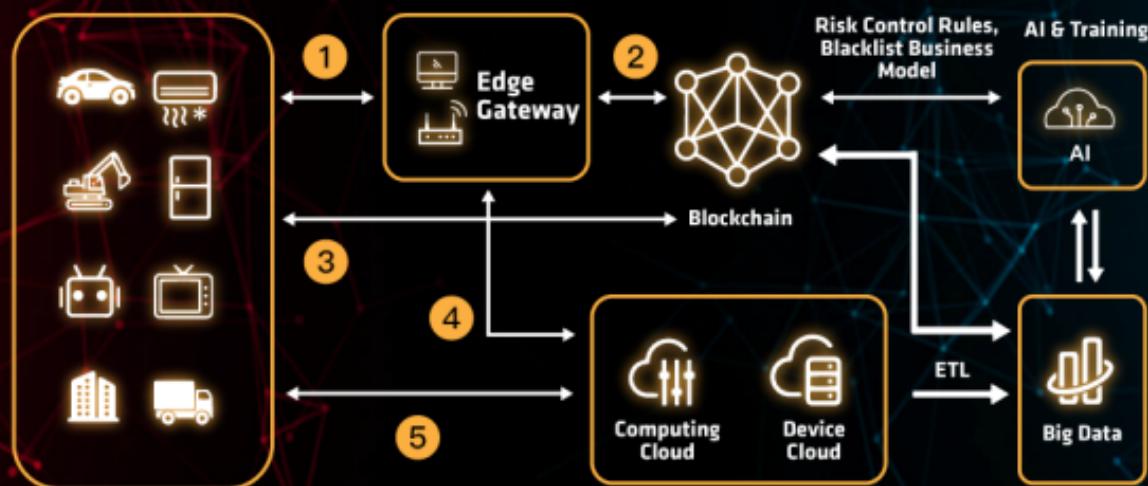
JUDICIAL CROSS-DOMINAN

GMC cross-chain technology can unify the evidence of all deposit chains into evidence resources, and transfer evidence credibly between different judicial deposit chains. GMC can build a certificate chain network with multiple types of certificate deposits. When facing major issues and major disputes, it can help each chain interact with complete, credible and legally valid evidence materials and help the



IOT CROSS PLATFORM LINKAGE

GMC cross-chain technology supports the parallel expansion of IoT devices across chains, and can be used to build efficient and secure distributed IoT networks and deploy data-intensive applications running in massive device networks; GMC cross-chain technology can be safely and credibly integrated. The blockchain connecting multiple IoT devices meets the needs of diverse scenarios in terms of function and security.



DIGITAL ASSERT EXCHANGE

GMC supports building cross-chain partitions of digital assets with multiple network topology models. In terms of transaction logic, the two-stage transaction model and HTLC transaction model will realize the decentralization, distrust and tamper-proof transfer of digital assets. In security protection ±, encryption and access mechanisms will ensure the safety and credibility of digital asset transfer. Through the above technical advantages, GMC will facilitate the full digitization of paper asset certificates in the past, allowing assets and credits to be passed down to the end of the industrial chain, and promote the development of the digital economy.



**RESERVING
SEEKING
STRIVING TOGETHER
FUTURE OF TECHNOLOGY**