

Token-gama Official English Whitepaper

I. Overview

Token-gama Network is an BSC issuance platform supported by (Gene International IT & AI Limited) and built on BSC (Binance Smart Chain). In Token-gama Network, users can deploy and issue BSCs with one click without any code. Token-gama Network also joined the current innovative DeFi concept in the blockchain. Users can experience liquid mining, staking and other functions in the Token-gama Network project. For the BSC+DeFi gameplay, the team will develop functions such as BSC mortgage lending and BSC casting decomposition to improve the liquidity of BSC within the ecosystem.

Token-gama Network will adopt the Layer 2 solution. Through cross-chain technology, it will connect multiple blockchains such as Ethereum and Polkadot in the future. Token-gama Network will enable blockchain projects to acquire users and develop more diversified BSC applications.

II. BSC industry status

BSC really received public attention from CryptoKitties in 2017. In this virtual pet development game based on the Ethereum public chain, users can buy, cultivate and sell virtual pet cats after opening an Ethereum wallet. The news that a virtual cat has sold for more than \$100,000 is not uncommon.

The rapid popularity of BSC has become a new form of value-carrying industries such as art collections and games. BSC platforms and products have also ushered in a big explosion, and a relatively complete industrial chain has been formed. The entire BSC ecosystem can be divided into the underlying public chain, trading platform, and specific projects and their producers. The total market value is expected to climb to 710 million US dollars in Q4 2022.

The infrastructure of BSC is various public chains, such as Ethereum (ETH), Flow and WAX. ETH is still the most mainstream public chain at present, with a relatively mature and powerful ecology. Flow public chain is a new public chain launched by CryptoKitties parent company DapperLab when ETH is congested, and it also carries the most popular NBA Top Shot at the moment. The main circulation platforms of BSC include the general issuance and trading platforms Opensea and Rarible, and the art trading platforms Nifty Gateway, manufacturersplace, Async Art, etc.

III. Introduction to Token-gama Network

Project concept introduction

Token-gama is a cross-chain BSC+DeFi+DAO protocol and infrastructure, as well as an open BSC ecosystem. Anyone can create BSCs, initiate BSC mining, auctions and transactions.

Token-gama provides a cross-chain infrastructure to enable blockchain projects to expand their user base, distribute tokens, and develop more BSC-enabled applications. Token-gama can seamlessly

connect GENE original users to the Token-gama platform ecosystem through the cross-chain function, so as to realize the unprecedented cross-chain transfer of BSC assets for GENE users, and integrate the application and the underlying protocol experience.

GENE background introduction

Gene is a blockchain token that combines financial protection with real estate and listed equity. It is supported and promoted by a company operating in Singapore and listed on the Australian Stock Exchange (ASX) to create new corporate trends and open new real estate and equity investment solutions. Gene is also a financial management tool that can increase your wealth, manage and increase the value of digital assets. It not only allows you to enjoy daily income, but also has powerful advantages such as convertible listed equity and physical industries. With the birth of Token-gama Network, Gene will work closely with the Token-gama Network ecosystem.

IV. Token-gama Network technical architecture

Introduction to BSC Smart Chain

Binance Smart Chain, as a parallel running chain of Binance Chain, can realize smart contract creation and BNB pledge mining functions. It was created in April 2020. It can not only create token smart contracts, but also introduce BNB, one of the world's top crypto assets, to form a pledge mining mechanism.

BSC is a blockchain compatible with the Ethereum virtual machine. It is a test and cutting-edge exploration of top projects in the encrypted asset industry. The launch of BSC will greatly improve the efficiency and application scope of Binance Chain and BNB. By introducing the Proof of Stake Authority (PoSA) consensus mechanism, BSC has created an ecosystem that allows nodes, token holders, developers, and users to benefit from the blockchain, enjoy higher performance and more abundance Space for innovation.

EVM virtual machine technology

In the virtual machine part, the network will first use EVM to support smart contracts, and subsequently will design a set of virtual machine tools by itself. The purpose is to support smart contracts with off-chain execution and on-chain verification functions, and can be used for parallel processing to deal with the problem of non-synchronization of smart contracts in different subnets. In addition, the subnet can be deployed by the user to deploy the EVM oracle, or interact with the Ethereum subnet to interact with the Ethereum smart contract. Other types of oracles can also be deployed under the subnets of different execution environments, which is relatively flexible.

The processing power of Token-gama Network's EVM can reach more than 10 times that of Ethereum. Using the dynamic segmentation method, the amount of calculation for contract execution is relatively small. The confirmation speed of each transaction only takes 1-2 seconds, and the average gas fee for each transaction is less than 1 US dollars.

Sharding technology

The sharding technology of Token-gama Network is different from other public chains such as Ethereum 2.0. Token-gama Network does not adopt the model of sharding chain and beacon chain (each sharding chain needs to be forked), but chooses to concentrate on a single one. The main chain, each block in the main chain is divided into multiple physical segments (Chunks), that is, at the block level, the creators and validators of the blocks only need to maintain the accuracy and accuracy of the segments they participate in. State is fine. Therefore, the block generation interval of Token-gama Network will be lower, the fragmentation effectiveness will be stronger, and the data will be better.

Layer2 extension solution ZK Rollup

Token-gama Network's side chain using ZK-Rollup can also reduce the transaction size. For example, an account uses an index instead of a string of addresses, which can reduce the transaction size from 32 bytes to 4 bytes. ZK-Rollup is a new type of Layer 2 expansion solution. The core idea of this technology is:

- I Use the main chain as a storage medium, not a consensus engine;

- I Compress the transaction and reach a state consensus under the chain;

- I Use zero-knowledge proof to ensure the security of the state consensus under the chain.

- I At present, the most typical application scenario of zk Rollup is a decentralized exchange.

Simply put, ZK Rollup is a layer 2 solution where data is placed on the chain. ZK-Rollup is a layer 2 extension solution. In a sense, "ZK-Rollup" is actually a side chain because it can generate blocks and map these blocks to the main chain. However, the biggest difference from the previously analyzed side chain is that ZK-Rollup does not trust the operator in the rollup. The operator can stop generating blocks at any time, generate invalid blocks, or try other forms of confrontation.

Token-gama Network Bridge

Token-gama Bridge is a fast channel for cross-layer asset transfer realized through the trading market. The first phase will realize a fast exchange channel between L1 and L2, and then, depending on the situation, consider opening a fast exchange channel between different L2s. The first phase of Bridge will be realized through centralized custody of assets, and the security of the assets under custody is guaranteed by the net assets held by Home DAO itself; when a mature oracle service appears on the L2 of Ethereum, Token-gama Bridge will turn to Realize the bridging of assets in a decentralized way.

The working principle of Token-gama Bridge is similar to that of the Curve protocol. Both adopt a smoother AMM curve around the price of 1:1, except that Bridge's 2 asset pools are distributed in 2 different state machines, namely L1 and L2. For Optimistic Rollup, the transfer of assets from L1 to L2 is completed in real time, while the transfer from L2 to L1 has a considerable delay, which is expected to be 7 days. Due to the discount of time value, the price of the same asset on L2 will usually be slightly lower than L1.

Token-gama Network BSC project issuance platform

Token-gama Network BSC Launchpad is an BSC project issuance platform. The purpose is to help BSC blockchain projects raise funds. Token-gama Network BSC Launchpad will use Binance Smart Chain's resource advantages in the blockchain field to help more BSC blockchain projects Provide a full range of consulting services to help them increase their influence in the cryptocurrency ecosystem in the BSC field.

Gold Commemorative Coin BSC

Token-gama will jointly issue a set of gold commemorative coins BSC. It is a 3D digital collectible platform backed by real gold, allowing users to choose design templates, based on real gold to mint BSC collectibles, and then sell, share and trade these Collection.

The BSC in the gold commemorative coin is a gold digital collectible, technically stricter, and is a non-fungible token (BSC). Every BSC gold coin or commemorative coin is a token, and there is only one in the entire blockchain network. Smart contracts stipulate that every BSC has uniqueness and scarcity.

V. Token-gama Network token introduction

Token function

Governance

Token-gama token holders will be able to vote on proposals to modify the blockchain network. The platform will eventually be completely decentralized and truly owned by its token holders. Token-gama Network will be fully based on the supporters' right to manage the project, and participate in the decision-making governance project development direction together with the team.

Incentives

Users who trade Token-gama tokens will be deducted 0.13% of the handling fee as the Token-gama Network reward pool fund pool to reward users and teams in the Token-gama Network ecosystem. Among them, 80% of the Token-gama Network reward pool fund pool will be allocated to project governance. Users can participate in project construction, invite others to participate in the project, and participate in project activities to get Token-gama rewards; 14% of the Token-gama Network reward pool fund pool will be gradually released. To the project team and partners.

Pledge and reward

Users can pledge Token-gama on the official channels of Token-gama Network to get Token-gama as a pledge reward. For example, a user pledges a pledged fund pool with an annualized income of 14% on Token-gama Network, pledges 10,000 tokens, and can obtain 2,000 tokens as interest rewards a year.

Liquid mining pool mining

Token-gama tokens can be put into the liquidity mining pool of the platform to earn mining rewards. For example, if a user provides 1,000 USDT and 500 Token-gama in the USDT+Token-gama pool to obtain Token-gama, and the annualized rate of return is 200%, then after one year, the user will receive the corresponding Token-gama reward in total.

Snap up an exclusive BSC

When the BSC is on sale, users can go online and use Token-gama to snap up the BSC, and the Token-gama spent on each snapping up the BSC will be destroyed, which will help Token-gama deflate and increase the price.

BSC airdrop

BSC holders can regularly receive official Token-gama airdrops, which can be understood as free Token-gama token rewards from the official holding BSC. Encourage users to hold BSC.

BSC casting

Token-gama tokens will be used in functional scenarios such as BSC minting, mortgages, auctions, and transactions. Users can destroy Token-gama to generate BSCs. Unlike snapping up BSCs, the BSCs that need to be snapped up are rare, limited in quantity, and difficult to snap up. Large, with absolute appreciation space, moderate BSC issuance that can be minted with Token-gama tokens, has a certain scarcity, and also has relative appreciation space.

Mortgage loan

For some investors who want to hold BSCs for a long time but do not want to miss short-term investment opportunities, they can also use the purchased BSCs as collateral to borrow and lend Token-gama or USDT at the best lending rate for short-term investment. If the value of BSC continues to soar, BSC holders can continue to lend more liquid funds for investment without increasing their investment. At the same time, they do not have to worry about missing the profit margins of BSC price increases.

VI. Team member introduction

Token-gama Network CEO

Kallungal Arun Babu

Kallungal Arun Babu has recently been appointed as the Business Finance Consultant to a Singapore based company. He was the founder of S&T Management Pte Ltd. He started his career in the Finance Consulting industry since year 2010 and has managed 2 other Management Consultant companies as Executive Director and COO.

With his vast network, mainly in India, Malaysia, and Canada since 2010, he is able to quickly identify and select appropriate business partners in the various countries to build and grow businesses. Many business associates and partners have also approached Arun for business consultation, especially the high net worth from Canada, Australia and Malaysia

Token-gama Network COO

Benjamin Song

More than 20 years' experience as an entrepreneur and managing businesses. • Founded companies that were interviewed by CNA, The Edge Magazine, Straits Times and Business Times. Including: Project planning, analysis, development, implementation and resource management.; Negotiate, liaise and expansion of business in the region including Cambodia, China, Malaysia, Taiwan China, United States of America, Thailand, Philippines; Recruit, develop, mentor and manage the team; Structured one of the first capital-insured product in the alternative investment market. In the Token-gama network project, he is mainly responsible for the COO position.

Token-gama Network CMO

Javier Seow

Javier Seow co founded marblature private limited, a company specializing in pure natural marble furniture. He is currently appointed General Manager / Chief Marketing Officer of sky Capital Holdings Pte Ltd, a holding company with six restaurants in Singapore specializing in local cuisine. Prior to that, he had more than 10 years of working experience in real estate direct selling, enterprise marketing and brand promotion, and worked in a real estate brokerage company. In the Token-gama network project, he is mainly responsible for CMO.

VII. Roadmap

Q1 2022

Project approval

Mainnet is online

Turn on GENE replacement

Release of Whitepaper V1

2022 Q1

Provide cross-chain transaction services

Popular mining function launched

Support ETH, BSC cross-chain exchange

Issue BSC and open the BSC trading market

Release the first version of Token-gama Network Swap

Q4 2022

Start DAO Version 1

Complete Layer2 version development and deployment

2022

Release V2 version, support real-time inquiry, pending order transaction

Release of cross-chain version 2.0 and launch on well-known exchanges
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Token-gama Network COO

Benjamin Song

More than 20 years' experience as an entrepreneur and managing businesses. • Founded companies that were interviewed by CNA, The Edge Magazine, Straits Times and Business Times. Including: Project planning, analysis, development, implementation and resource management.; Negotiate, liaise and expansion of business in the region including Cambodia, China, Malaysia, Taiwan, China, United States of America, Thailand, Philippines; Recruit, develop, mentor and manage the team; Structured one of the first capital-insured product in the alternative investment market. In the Token-gama network project, he is mainly responsible for the COO position.

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