

Whitepaper



Hamster

Version 1.0

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Overview

Introduction

Globalization of finance and the financial sector importance in national economies taking part in the global financial markets have significantly increased. For several centuries, economists, managers of financial resources and innovators were trying to develop financial tools and products that would make ever-larger profits for themselves and their customers as a global financial market has emerged. However, the scale and frequency of financial crises – especially central banking crises – have also increased.

These events ultimately led to the major split in the world community: people were divided into two camps, driven by absolutely opposite landmarks. The first remained the followers of the long-known, understandable and, at first glance, stable centralized finance. And it wasn't groundless.

Before the concept of decentralization became predominant, CeFi was one of the revolutionizing technologies that combined both the convenience and security of standard financial services products. Moreover, centralized finance was always in high demand because of its higher degree of flexibility. Nowadays, this is particularly visible when it comes to converting fiat to cryptocurrency and vice versa: the conversion between fiat and cryptocurrency requires a centralized entity, so most DeFi services cannot provide fiat on-ramps.

The second camp, in turn, consisted of those disappointed by the vulnerabilities and extensive issues caused by the existence of intermediaries, their unreliability and the lack of trust. They insist on the obvious advantages of non-custody, interoperability, transparency, accessibility, and affordable cross border payment granted by decentralized finance. Unlike many CeFi solutions, DeFi platforms and protocols are absolutely permissionless: it basically means no centralized entity, deciding who can or cannot use the platform, guaranteeing DeFi platforms are open for completely anybody to use.

History Backgrounds

The history of centralized finance goes back to ancient Mesopotamia, where it was initially invented several thousand years ago. Since then, people have applied a wide range of goods and assets to use as currency. They included cattle, lands, a bit later — precious metals and, more recently, fiat currencies.

Thus, it has been demonstrated that a currency can either carry intrinsic value (e.g., land) or be given an imputed value (e.g., fiat currency). Exactly the premise of a centralized entity with a well-known scenario in which a government is backing the financial currency value, with a military force at its command was the base of all the investigated attempts to create an eternal, strong currency and financial system.

History, however, has shown that currencies can also be assessed using an imputed value, an assumed value assigned to a currency, which can be unrelated to its intrinsic value and may even be 0.

The other milestone for the financial world occurred at the end of the 16th century and the beginning of the 17th. This period was marked by the fact that the traditional banking functions such as transferring funds, moneylending and money-changing were combined with issuing bank debt that served as a substitute for gold and silver coins.

By the end of the 17th century, banking was also becoming significant for the funding requirements of the warlike European countries, which led to government regulations and the establishment of the first central banks – banks that manage the currency, money supply, and interest rates of a state, regulate and oversee their commercial banking system.

The main challenge for all central banks was to account for globalization and other supply-side developments, such as political instability, oil price and other global changes. But the major issue of the centralized financial system became the inability of banks authorities to predict and control the events which may affect international and domestic prices.

The events of the following centuries only perpetuated distrust of the central financial system, as governments all over the world had a full right and possibility to intervene into the free market. The Great Depression 1932, the Suez Crisis 1956, the International Debt Crisis 1982, the East Asian Economic Crisis 1997-2001, the Russian Economic Crisis 1992-97, the

Latin American Debt Crisis in Mexico, Brazil and Argentina 1994-2002, and the Global Economic Recession 2007-09 are the major crises that the world witnessed in only the last 100 years and a common feature that unites all these cases is the lack of a decentralized control option.

Puzzles in the field

Time passes, but even today, in the epoch of blockchain innovations, the Internet of Things (IoT) and highly efficient decentralized applications (DApps), we experience the same issues headed by centralization and government intervention into the economy.

In centralized finance (CeFi), all orders in the crypto trade are channelled through a central authority — an exchange. The customers' funds are controlled by the people in charge of running this exchange.

In such a situation, you simply don't own a private key that gives you access to your wallet. Besides, the exchange determines which coins they list for trading or how much fees you have to pay to trade using their exchange. Taking into account all the characteristics stated above, we can sum up that using a centralized exchange, you don't truly own your cryptocurrencies when trading. Moreover, you have to subject to the rules and restrictions a centralized exchange imposes on you and accept that in the case of a hacker attack, your funds may be permanently lost.

Besides such weak points of centralized finance as central control, lack of interoperability, inefficiency, limited access and opacity, there is one more crucially important point for users, and it is a problem of security. In CeFi, the users not only transfer the custody of their holdings to the exchanges but also provide their private details. In case the exchange is hacked or suffers from a cyber attack, there's a real chance of losing funds. And even if the money is safe, there is a high risk of compromised privacy.

Here comes the necessity of decentralization and projects able to make a revolution in the financial world. Here comes Hamster.

Vision and values

One of the most vital innovations made by Hamster is the transfer and trade of financial assets without trusted intermediaries. Contrary to the traditional centralized finance representatives, Hamster offers four distinctive features:

Transparency

Hamster is decentralized and supported by a community of enthusiasts. We encourage consistent open communication and believe that together we will be able to build a wide ecosystem consisting of revolutionary products. Being a part of the Hamster community, you can inspect the precise rules by which financial assets and products operate. We attempt to avoid private agreements, back-deals and centralization, which are significant limiting factors of CeFi transparency.

Strong Community

Hamster's community is one of the fastest-growing and the most tight-knit in the crypto world. It consists of eager crypto enthusiasts who support our ideas and share our values. We believe that only in union we are strong. That is why honesty and integrity in dealing with all members of the Hamster's community are paramount.

Trust

The cryptocurrency world cannot be called stable due to all the scams and malicious activities performed by hackers, but here, at Hamster, we firmly believe that for business success, trust is supreme. To be worthy of the trust granted, we are ready to provide full transparency not only in the community relationships and development but also in security measures and arrangements.

Longevity

At the beginning of 2022, a ranking website CoinGecko numbered more than 10 000 crypto projects. But the majority of them will disappear shortly without leaving a trace. Hamster, in turn, is here for the long haul. We believe that the decentralized community fosters and adopts long-term development and efforts, and it will definitely be beneficial to all involved.

Ecosystem

Hamster (HAM)

Hamster (HAM) was created in May 2021 as a meme token. The team had no centralization and funds for the development, but they had a strong belief in a revolutionary idea. United by the same vision, they managed to build an ecosystem supported by a huge community. And together with the unity came success.

The host thus forming a single united body, is it impossible either for the brave to advance alone or for the cowardly to retreat alone. (Sun Tzu)

Hamster (HAM) Tokenomics

Token Name: Hamster

Token Ticker: HAM

Contract: 0x679d5b2d94f454c950d683d159b87aa8eae37c9e

Total Supply: 10,000,000,000,000,000 HAM

Decimals: 7

Official website: <https://coinhamster.io>

Coinmarketcap link: <https://coinmarketcap.com/currencies/hamster/>

Coingecko link: <https://www.coingecko.com/en/coins/hamster>

Exchanges: MEXC, LBank, PancakeSwap (V2), Hotbit, ProBit Global, etc.

Supply Schedule

The total supply is 10 quadrillion HAM (10,000,000,000,000,000 HAM). During the initial distribution of Hamster (HAM) Tokens, we decided to create a liquidity pool on a decentralized exchange PancakeSwap and stored there a proper number of liquidity funds locked (13,52% of the Total Supply). These funds were locked to help us regulate unpredicted price movements and be able to avoid the situation of the major token dump.

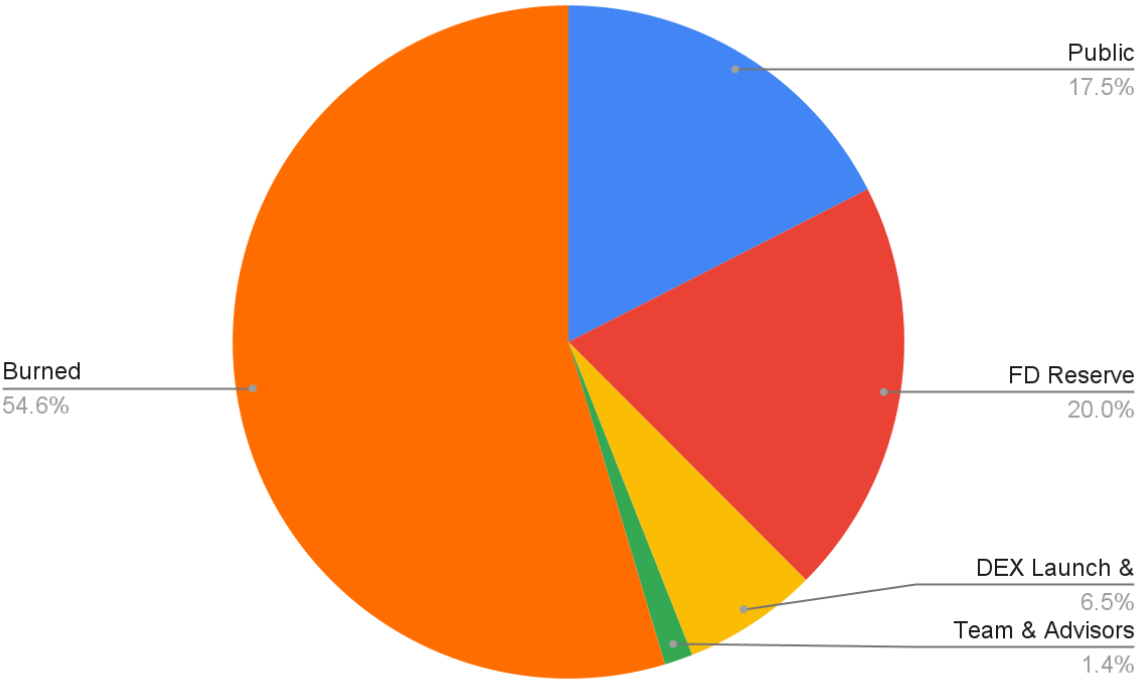
Apart from that, to be able to regulate the situation in a different manner, we have built a burn mechanism that reacts to the huge token price movement, so despite the absence of mint and burn functions, the circulating supply can be managed (reduced) by sending tokens to the 0x..dead address if needed.

Token Distribution

Type	Number of tokens	% of the Total Supply
Public	1,750,000,000,000,000 HAM	%17,5
FD Reserve	2,500,000,000,000,000 HAM	%20
DEX Launch & Treasury	650,000,000,000,000 HAM	%6,5
Team & Advisors	136,094,076,287,790 HAM	%1,36
Burned*	4,963,905,923,712,210 HAM	%54,6
Total	10,000,000,000,000,000 HAM	100%

**Hamster (HAM) Tokens are burned on a weekly basis, so the information stated in the table "Token Distribution" can be changed.*

Hamster (HAM) Token Distribution



As funds stored on hot wallets connected to the internet are vulnerable to network-based theft, the Hamster Team took a decision to use cold storage, thus preventing hackers from accessing customers holdings via traditional means. Security is predominant for our ecosystem; that is why we choose the most reliable way to store the finances.

Fees

There is a "Marketing Fee", "Liquidity Fee", and "BTC Rewards Fee" that are charged on all transfers (given that the transferring address is not excluded from fees). The owner has the ability to change these fees to any percentage value at any time.

The fees that are charged on transfers are stored in the contract balance, and once a threshold value of 1,000,000,000 HAM is met, the tokens are used to fund BTCB Rewards, the Marketing Wallet, and Liquidity adds.

The portion allocated toward marketing is swapped for BTCB and sent directly to the project team's Marketing Wallet. The part for the liquidity fee is used to automatically provide PancakeSwap Liquidity, and the remaining portion is applied toward funding the BTCB dividend rewards for those eligible.

Liquidity-adds are automatically conducted by selling half of the tokens collected as liquidity fees, pairing the received BNB with the token, and adding it as Liquidity to the pair.

The LP tokens received through this process are sent to the owner. We recommend that the owner have a strategy to lock these LP tokens.

Rewards

To be eligible for dividends, a user must hold 75,000,000,000 HAM tokens. This is 0.00075% of the total token supply, which allows a large number of holders to qualify. Once dividends are distributed, they will need to be claimed.

Claiming happens automatically on each transfer. Dividend rewards can also be claimed manually by kicking off the claim cycle, which will process all eligible token holders. Alternatively, a user can manually claim dividends as an individual.

There is a wait time of 3600 seconds (1 hour) between claiming dividend rewards, and then the claimed dividends are sent to the user's wallet address.

Ownership allows:

- to set the fee percentages to any amount at any time;
- to exclude addresses from fees at any time;
- to add addresses to a blacklist which will prevent them from participating in transfers;
- to exclude any address from dividends at any time;
- to update the Dividend Tracker and UniswapV2Router contract addresses at any time;
- to update the Marketing address at any time;
- to update the maximum amount of gas used for processing to a value between 200,000 and 500,000 at any time;
- to update the amount of time a user must wait between claiming dividends to a value between 1 and 24 hours (in seconds).

Why BSC

With a wide variety of blockchains to use as a base for a new project, choosing the most suitable and winning option becomes crucial. Our decision to use Binance Smart Chain (BSC) was unanimous as it has many benefits over the widely used Ethereum network. BSC offers an exciting alternative to users looking for a cheaper solution to farm high yields.

Its design is based on the Ethereum Geth customer and a copy of the Ethereum Virtual Machine (EVM), permitting projects from the Ethereum ecosystem to function natively within BSC.

Making decentralized finance reasonable by offering a higher gas block limit and faster block times is the most important advantage BSC can boast. Its focus on making DeFi affordable, innovations and cutting-edge technology make Binance Smart Chain (BSC) the perfect foundation and the best variant for the Hamster ecosystem.

Security (Certik Audit)

In 2021, hackers stole \$1.3 billion in cryptocurrency across 44 DeFi incidents, according to a report published by CertiK, a blockchain security firm pioneering the use of cutting-edge Formal Verification technology on smart contracts and blockchain networks. A separate analysis by Chainalysis estimated that \$3.2 billion in cryptocurrency was stolen in 2021, and almost three-quarters of the losses were from DeFi protocols.

As the statistics above show, blockchain networks are not immune to cyberattacks and fraud. Hackers and fraudsters threaten blockchains in absolutely different ways: phishing, routing, 51% attacks, etc.

When building an ecosystem, it's essential to elaborate security at all layers. To create a comprehensive security strategy for the Hamster project and make it secure for our customers, we employed Certik experts. Their task was to test our smart contracts against both common and uncommon attack vectors; to assess the codebase to ensure compliance with current best practices and industry standards; to ensure that contract logic meets our specifications and intentions; and make a thorough line-by-line manual review of the entire codebase. The report's details can be found [here](#).

Overview

Project Summary

Project Name	Hamster
Platform	BSC
Language	Solidity
Codebase	https://bscscan.com/address/0x679d5b2d94f454c950d683d159b87aa8eae37c9e
Commit	

Audit Summary

Delivery Date	Nov 14, 2021
Audit Methodology	Static Analysis, Manual Review
Key Components	

Vulnerability Summary

Vulnerability Level	Total	🕒 Pending	🚫 Declined	📄 Acknowledged	🕒 Partially Resolved	📄 Resolved
🔴 Critical	0	0	0	0	0	0
🟠 Major	4	0	0	4	0	0
🟡 Medium	2	0	0	2	0	0
🟠 Minor	5	0	0	5	0	0
🟡 Informational	8	0	0	8	0	0
🟢 Discussion	0	0	0	0	0	0

HamsterSwap (Under development)

Here, at Hamster, we are eager to build the greatest decentralized ecosystem ever existed in the crypto world. And the seeds of our ambitious ideas have already sprouted with great results and significant products.

As we already stated, DeFi platforms and protocols' advantage is that they are permissionless. It means no centralized entity deciding who can or cannot use the platform, guaranteeing that they are open for anybody to use.

We want our users to have complete control of their funds. That is why we decided to create HamsterSwap — a decentralized exchange that will enable anonymous transactions with minimum information on each investor.

It will not require KYC or any other types of verification and AML. Moreover, our focus is on transparency and trust: no intermediary will handle your private keys. HamsterSwap users are required to handle the private keys of their own wallets themselves, heightening privacy and security. All trades and transactions will happen through a user's wallet with express permission using smart contracts. No escrow, no custody.

Our unique technology, strong tokenomics, passionate community and belief in a revolutionary idea serve as unconquerable pillars while building a new decentralized ecosystem. Every day we gain momentum, and now we are ready to present the results of our hard work to the whole crypto world.

Roadmap

1st Quarter 2022

- Hamster Ecosystem Creation
- HamsterSwap Exchange Launch
- NFT Project Beginning
- Merchandise integration to own Swap
- Starting to R&D METAVERSE
- CEX Listing

3rd Quarter 2022

- Hamwallet Development
- Web 3.0 Integration
- Starting of HAMWallet
- New NFT Creations

2nd Quarter 2022

- NFT Launch
- Metaverse Project Launch
- Exchange Listing

4th Quarter 2022

- HAMWallet Launch

Disclaimer

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Conclusion

The Hamster project was created with no centralized team and funds for the development, but the idea that was in the project's ground lit the fire in the eyes of thousands of people who became dedicated lovers of Hamster and devoted members of one of the biggest communities.

United by the same values and vision, we managed to build an ecosystem that now has so many ways to develop. Having analyzed the past events of the financial world and imagined the best way of its future, we found the key — complete decentralization. One of the most substantial innovations of the distributed ledger nowadays is the possibility of transferring and trading financial assets without trusted go-betweens, and we need to make use of it.

Contrary to the traditional centralized approaches, we decided to create products based on full decentralization. We value transparency; that is why we can offer our users the possibility of inspecting the precise rules our ecosystem operates. We want our customers to remain the custodians of their assets because nobody should control their funds without consent. The Hamster team is here to grant full accessibility, freedom and trust.

We've built much, and we're not going to keep pace. Stay tuned.