



Hawk
WHITE-BOOK



Hawk

White-Book



Hawk

Version 1.0 - APRIL 2024

» *Foreword*

In this digital age, with the booming development of blockchain technology, a new cultural phenomenon, Meme tokens, is reshaping our cognitive boundaries with an unstoppable momentum. In this magnificent wave, a new star that symbolizes freedom and the courage to explore the unknown has quietly risen. It is Hawk, a cryptocurrency project that aims to inherit and promote the spirit of freedom of speech.

Hawk: Wings of freedom, soaring high

Hawk is not just the name of a token, it is an ode to unrestrained thinking and a tribute to every soul pursuing freedom of speech. In this era of information explosion, the birth of Hawk is like a flash of lightning, cutting through the sky and illuminating the road to freedom. It coincides with the concept of openness, transparency and free communication advocated by Elon Musk, as if it is a declaration of freedom in the digital world, looking forward to resonating with this technology giant.

Community autonomy: power belongs to the community

In the world of Hawk, there is no central authority, and every holder is a builder and decision-maker of the community. Through the model of community autonomy, Hawk ensures that everyone's voice can be heard and every force can be gathered into a powerful force to drive the project forward. This is an innovation of the traditional financial system and the most direct practice of free will. Here, your participation not only affects the future of the project, but also shapes a new world of freedom for everyone.

Goal: Surpass Shib and embark on a journey of wealth freedom

If the success story of Shiba Inu (SHIB) has inspired countless people to imagine the cryptocurrency market, then Hawk has set a more ambitious goal on this basis - surpassing Shib and becoming the benchmark for the new generation of Meme tokens. This is not a simple market value competition, but about how to perfectly integrate the concept of freedom with financial innovation, so that every preacher of freedom can enjoy freedom of speech while also reaching the other side of wealth freedom.

Hawk: An invitation to the future

Hawk is not just a collection of codes and transactions, it is a movement, a belief, representing the unremitting pursuit of freedom, equality, and shared values in the digital age. We sincerely invite everyone who desires freedom, believes in the future, and is willing to devote themselves to this change to join Hawk and witness and participate in this historic leap together.

In this era full of possibilities, let us join hands and fly towards a freer and more prosperous future with Hawk as our wings. Because, here, every flight is the most sincere hymn to freedom, and every liftoff heralds infinite hope and possibility. Hawk is waiting to write a new chapter of freedom and wealth with you.

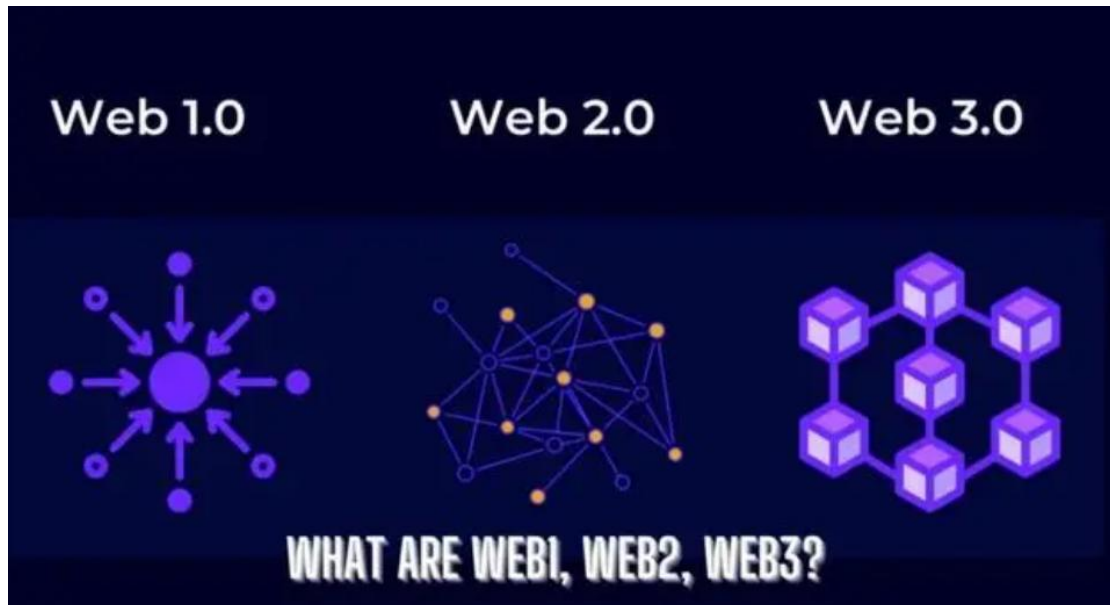
This white paper lists the Hawk 1.0 Bidding Plan, technical foundation, ecosystem and development planning concept.

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Chapter 1 Project Background

1.1 What is the WEB3.0 ?



To understand what is Web3.0, first understand the characteristics of the three stages of the Internet.

Simple understanding:

1.0 Information Internet; 2.0 Identity Internet; 3.0 Contract Internet.

To understand it more simply:

1.0 can only read ---> 2.0 can read and write ---> 3.0 can confirm the right

Read-only Web1.0

Web1.0 can be understood as the first generation of the Internet, which first appeared in the 1990s. Its main feature is that the network platform provides content to users unidirectionally.



At that time, all online web pages were read-only, that is, content-driven, that is to say, the operator of the website was responsible for delivering content to users, and users were only the party receiving the content, without any interactive experience. The simple understanding of Web1.0 is that the content is mostly "one-way" information transmission, and the reception method is equivalent to watching TV. Although there are many TV channels for users to choose from, users can only passively receive the content specified by the TV channel, unable to participate in the content of the TV program, unable to generate interaction.

Interactive Web2.0

Then Web1.0 to Web2.0 is also the result of the continuous development of the Internet. Web2.0 emphasizes the interaction of content. Users are no longer just content receivers, but can become content providers and platform co-builders. It is precisely for this reason that quantitative data on the Internet has begun to converge on various platforms (that is, what we often call communication channels). The data flows to platforms such as Facebook, Tencent, Twitter, Amazon, Alibaba, and Douyin.

Data has become the greatest wealth of these platforms, and it is also the most important resource for the platforms to monetize through advertising or other forms. Whoever controls the data is the boss, whoever controls the traffic can be the king, and whoever controls the user's limited life time can be the hegemony.

Decentralized Web3.0

The current public consensus on the future of Web3.0 evolves based on the decentralization of the blockchain, the development of cryptocurrencies and non-homogeneous tokens. At present, there is no unified definition of Web3.0, but the core features have been agreed: decentralization, strong initiative, multi-dimensional, is a new era of individualization.

In Web3.0, users perform interactive operations to meet their own needs, and use blockchain technology in the interaction to realize the creation, distribution and circulation of value. This entire process of user interaction and value circulation forms the Web3.0 ecology.

Different from the 2.0 era when data is stored in a single database or cloud service provider, Web3.0 is committed to realizing a "decentralized" network ecology owned by users and built by users, either running on the blockchain or peer-to-peer .



Web3.0 is user-centered and emphasizes that users own (own) autonomy.

In web3.0, distributed ledger technology can provide a brand-new protection scheme, and user data is stored on distributed ledgers after being protected by cryptographic algorithms. The blockchain cannot be tampered with, ensuring the user's data ownership and value attribution.



1.2 What is the NFT ?

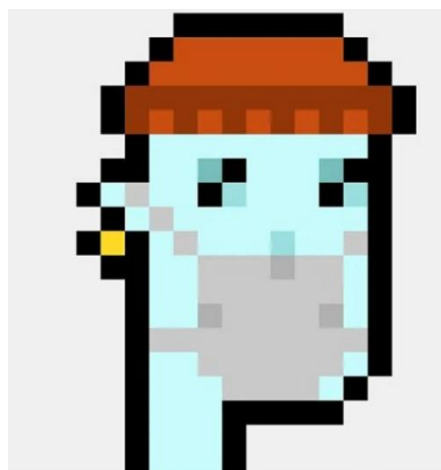


Recently, the topic of NFT concepts has become very popular, and many fields around

the world have started the NFT model. So what exactly is NFT? Why can a purely digital work be auctioned for a sky-high price of nearly 100 million US dollars? I believe that many people are full of doubts about these questions.



The full name of NFT is Non-Fungible Tokens, which is often translated as "non-fungible tokens/non-fungible tokens" in Chinese. Simply put, NFT is an entry in the blockchain, which is a decentralized digital ledger technology similar to cryptocurrencies such as Bitcoin. Because of the irreplaceable nature of NFT, it means that it can be used to represent something unique, such as a noble original painting in a museum, or the ownership of a piece of land.



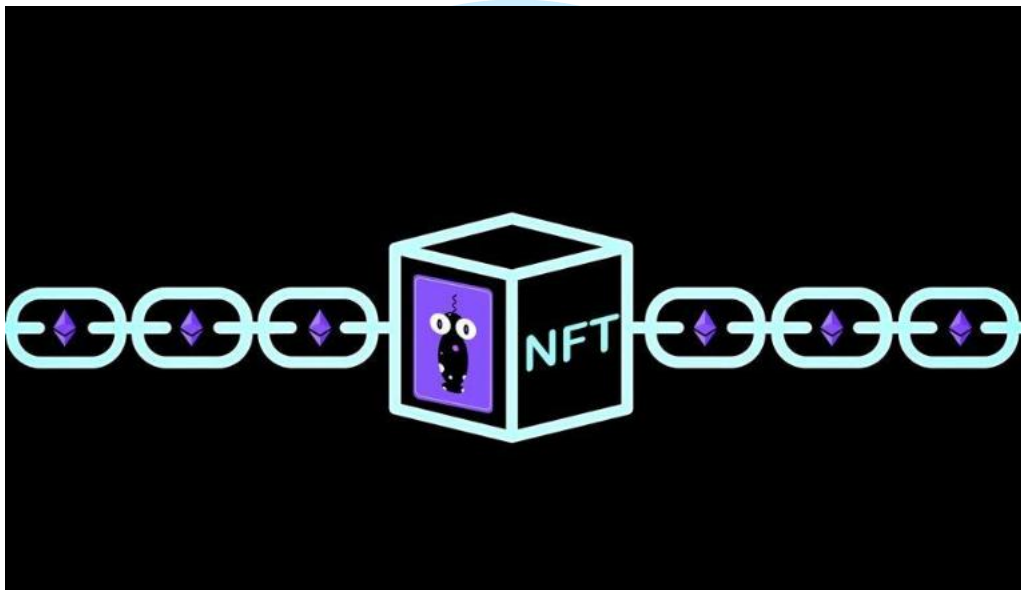
Although mainstream encrypted assets such as Bitcoin (BTC) and Ethereum (ETH) are also recorded in the blockchain, the difference between NFT and them is that any NFT token is irreplaceable and indivisible. When you purchase an NFT token, it means that you have obtained its indelible record of ownership and the right to use the actual asset. For example, if you buy a work of art, it can be displayed and reproduced, but only you are its actual owner. NFT is a "unique" asset in the digital world. It can be bought and sold and used to represent some commodities in the real world, but the way it exists is intangible. Currently, most of them are digital artwork or trading cards. Some are virtual goods, while others are packaged in such common formats as JPEG and PDF. Only a few NFT tokens are a digital record of physical ownership.

One reason people collect NFT works is that this act of collecting can help them demonstrate their status in the digital field. Although it is impossible to predict the current market size, its size will definitely expand further. Future growth is the general trend. But that can be riskier than investing in more mainstream areas like stocks. To a large extent, the digital currency market has both risks and benefits, and there may be huge fluctuations in prices. A new field can only determine its true value after going through different cycles.

Now, artists, musicians, influencers, and sports franchises are all using NFTs to monetize digital goods that were previously cheap or free. The technology also responds to the art world's need for authentication and provenance in an increasingly digital world, permanently linking a digital archive to its creator. If you are a creator, then you can create or "mint" NFTs, which represent ownership of your creations.

Due to the uniqueness and negotiability of NFT, if someone infringes or plagiarizes,

you can use this NFT to prove your ownership. You can also sell this, and you will earn as much as your own works earn in the trading center. Avoid the annoyance of too many platform fees. On many NFT creation and trading platforms, each original work that is uploaded and shared will generate a unique hash code and stamp it with a time stamp, upload it to the blockchain and anchor it to the Ethereum public chain to complete the deposit. The personal rights and interests of each creator are guaranteed.



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13 NFT Development Status

The blockchain industry has experienced rapid development and changes in recent years: from its budding in 2017, smart contracts in 2018, to DeFi in 2020, and in 2021, NFT is undoubtedly the hottest topic.

NFT debuted in 2015, the first batch of projects were launched in 2017, and it will usher in rapid growth in 2021. In the first half of 2021, the total market value of NFT is 2.5 billion US dollars. In July alone, sales soared to \$1.5 billion. However, in the second half of 2021, the NFT market will gradually calm down.

Unlike cryptocurrencies, central bank digital currencies, stable coins, etc., which can be spent and changed flexibly regardless of denomination size, each NFT is unique, indivisible, and non-replaceable, so it has become an emerging digital art value and transaction. medium.

The original main application scenario of NFT is virtual collection. Since the use of NFT to encode artworks is in line with the scarcity of artworks, it is very valuable for collectors, artists, and creators. Due to its uniqueness and the emergence of more use cases, this year NFT has developed into a way for some people to display their wealth and status. In the future, NFT may also expand wider applications in more fields, gradually expanding from art investment to wider streaming media, real estate, loan collateral, etc.

Looking forward to 2021, what new use cases have NFT developed, and which use cases may be brought to a higher level in 2022? Let's explore together.

NFT Function: Art

Often referred to as "Cryptoart," NFT art is one of the fastest growing NFT segments. Painters, designers, musicians, and more create NFTs through blockchain-based minting platforms to gain more control over their sales.

SuperRare

SuperRare is a social networking platform for art creators and collectors powered by blockchain technology. Creators can create digital artwork and have it tokenized on the Ethereum blockchain. Thanks to smart contracts, collectors can buy and trade artworks, with royalties paid back to creators.

Rarible

Rarible is an open-source, non-custodial platform for users to mint, sell and create collectibles. Any user can create and display their own artwork, and can also use Ethereum to purchase artwork for collection. Users own the ownership and intellectual property rights of NFT. Buyers and sellers can transact on Rarible at almost negligible cost.

Pixlr Genesis

Pixlr Genesis is developed by the world's best online image editor Pixlr, aiming to build the world's largest decentralized virtual museum, with the goal of being comparable to the Louvre, MoMA and the National Gallery of Art. The Pixlr Genesis ecosystem will consist of five modules: Galleries, Auctions, Foundry, Masterpieces, and Community. Since its launch, Pixlr Genesis has issued 2,000 out of 10,000 unique NFT "passes" generated by AI algorithms. From the perspective of art collections, each "pass" represents a unique artwork; From the perspective of art display, "passport" represents the right to display one's own NFT artwork in the virtual museum. In addition, Pixlr Genesis will also support art creators and build a bridge for artists to connect with the community by cooperating with well-known artists to issue NFT.

NFT Function: Collectibles

Physical collectibles may increasingly become a thing of the past as Ethereum provides an easy and viable way to create high-quality digital collectibles, either native NFTs or NFTs tied to real-world collectibles.

CryptoPunks

As one of the earliest batch of NFTs, CryptoPunks (Encryption Punks) was launched in the summer of 2017. It was the first NFT project issued through Ethereum and paved the way for the ERC-721 token standard that has dominated the NFT ecosystem so far. . There are only 10,000 of the punks, categorized as Alien, Ape, Zombie, Human, they are rare and beautiful collectibles. CryptoPunks is the originator of NFT and is recognized as the starting point of the "crypto art" movement. The known leading payment company Visa, Cai Wensheng, the chairman of Meitu, Hong Kong actor Shawn Yue, and Sun Chenyu, the founder of the wave field public chain, are all holders of cryptopunk NFT.

Bored Ape Yacht Club

Bored Ape Yacht Club (bored ape) is issued by Yuga Labs, an American Web3 company. It uses algorithms to generate 10,000 bored apes, providing users with a wealth of choices and diverse features. The characteristics of each ape are randomly generated, so each ape has a unique background style, clothing, earrings, eyes, mouth and fur. Known famous rapper Post Malone, well-known host Jimmy Fallon, famous investor Mark Cuban, legendary hip-hop music producer Timbaland, NBA legendary star Shaquille O'Neal, etc. are all holders of Boring Ape NFT.

NFT function: game

Blockchain games powered by Ethereum are moving towards a "Play-to-Earn" future. Players play games, earn more assets, and can trade in the process.

NFT plays an important role as a form of ownership of game items.

Axie Infinity

Axie Infinity is a Pokemon-like NFT game that allows users to collect, breed and battle iconic Axie monsters for glory and profit through tradable and sellable NFT game assets. Axie Infinity is not only the largest Ethereum game, but also one of the most used Ethereum applications. As the pioneer of "strike gold" in the blockchain field, this summer fired the first shot of the NFT and GameFi frenzy, which also made blockchain games enter a stage of frantic development in the past few months.

Sorare

Sorare is an emerging fantasy football game that has made significant strides through partnerships with some of the largest professional football franchises in the world. Players create fantasy teams using digital trading cards, then go head-to-head in matches to see who's the best football manager. The game runs on Ethereum, and each player card is an NFT. As of writing, Sorare has been officially authorized by 215 football clubs around the world, including Real Madrid, Juventus, Bayern Munich and other well-known teams.

NFT Function: Metaverse

Since Facebook announced last month that it will focus on the development of the Metaverse and change its name to "Metaverse (Meta)", there has been a wave of "Metaverse" in the world, and many global giants including Microsoft and Disney have also announced Invest in the construction of the metaverse. It can be said that the Metaverse is composed of NFT, which clarifies the ownership of items in the virtual world, ranging from land, houses, to clothing, as long as it can be privately

owned by the user, it can be cast into an NFT. In turn, the metaverse has also created a new application scenario for NFT.

The virtual land/house, which is an important item in the encrypted metaverse, is formed in the form of NFT. Users can invite other players to help "develop" your land, or rent it out to creators for a profit.

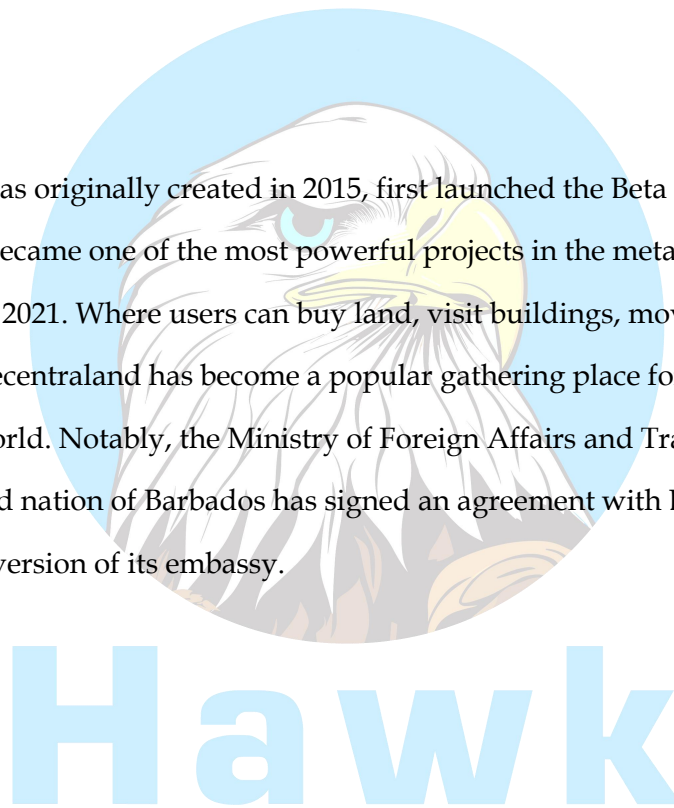
Decentraland

Decentraland was originally created in 2015, first launched the Beta version in 2017, and gradually became one of the most powerful projects in the metaverse in the wave of NFT in 2021. Where users can buy land, visit buildings, move around or meet people. Decentraland has become a popular gathering place for the metaverse of the crypto world. Notably, the Ministry of Foreign Affairs and Trade of the Caribbean island nation of Barbados has signed an agreement with Decentraland to create a digital version of its embassy.

Sandbox

The Sandbox runs on the Ethereum blockchain, giving players the freedom to create their own virtual worlds, using their creativity and imagination to customize as they wish while collaborating with others. Sandbox has launched P2E activities, in the virtual world, players can spend time completing a series of tasks to earn assets. It's worth noting that SandBox raised \$93 million a month ago, led by Japan's SoftBank's Vision Fund.

Cryptovoxels



Cryptovoxels is a virtual world built on the Ethereum chain. The website has built-in editing tools, and players can buy, sell and build virtual art galleries, shops and anything that players can imagine. In addition, Cryptovoxels also offers live avatars and text chat.

NFT Function: Streaming

In March of this year, encrypted artist Beeple's digital artwork "Every Day: The First 5,000 Days" was auctioned at Christie's for more than 60 million US dollars, which made NFT instantly popular in the art circle, and some musicians and artists joined in.

open sea

OpenSea is the most popular NFT marketplace and NFT minting platform. Artists can mint on multiple chains, including Ethereum and Polygon. The file types supported by Opensea include MP3, MP4, WAV.

"Music NFTs are changing the way fans connect with their favorite artists. From 3LAU to Imogen Heap, creators of all kinds are innovating on the blockchain, and in an industry that underserves independent creators, The desire for change is palpable." - Opensea

Royal

Royal is an NFT music platform that was only established in May. Its seed round in August raised 16 million US dollars, with the participation of top institutions such as A16z and Coinbase. Royal's business logic is very clear, which is to allow musicians to produce and sell NFT works, and then fans can get future royalties after purchasing. The founder of Royal is the DJ producer 3LAU, who conducted an

experiment at the end of October: 333 NFTs were released for 3LAU's new single "Worst Case", accounting for 50% of the streaming media ownership of the single. It is worth mentioning Yes, the song now has over 3 million plays per month.

Async Art

Async Art is a music/art creation platform built on Ethereum. The works of Async Art are composed of two parts: "Master" and "Layer". For example, an artist can create different states for the sky of a painting through layers, so the work can show different states such as rain and sunshine. After the creator applies to become an Async artist, he does not need any programming knowledge, and only needs to cut the work into layers during the process of uploading the work. In the sale of works, creators can set "buy now" or "open auction", and the auction end time is up to them.

Audius

Audius is a decentralized music sharing platform based on the Solana blockchain, which aims to remove the middle links and additional costs of music streaming services, allowing artists to directly receive their due revenue share of their works. Specifically, users of the platform can use tokens to unlock music, or earn tokens by watching advertisements to unlock. When users listen to songs in this decentralized music library, the wallet automatically pays. Among them, about 85% of the proceeds belong to the artist. The remaining part is obtained by the song provider and the development team.

NFT Function: Publishing

mirror

Mirror, founded by former a16z partner Denis Nazarov, is similar to the article blog platform Medium, and helps creators crowdfund by providing them with token

issuance tools. At present, the main functions of Mirror include publishing articles, NFT collections, bidding, crowdfunding, revenue sharing, voting, etc. It is worth noting the function of publishing articles. If the NFT option is checked, after the article is published, many entries will be automatically generated in Editions, which can be understood as the NFT of the article. The specific content of these items can only be viewed when a user purchases them, otherwise they are basically blank. In addition to NFTs when publishing articles, users can also manually create other types of NFTs in Editions, including image and video formats. The advantage of creating NFTs in this way is that they can be directly embedded in articles for sale, forming a closed loop between content creation and NFT sales.

NFT Function: Public Utilities

In the early days, NFTs were often associated with traditional media types such as art, music, game assets, and more. But now NFT can be used to represent anything, including function variable names and so on. Such use cases are expected to proliferate in the coming years.

ENS

The Ethereum Name Service (ENS) allows Ethereum users to create and manage decentralized function variable names on Ethereum. These decentralized functional variable names are minted as NFTs, such as `ethereum.eth`, and wallet management through these NFTs becomes considerably simpler compared to long alphanumeric addresses.

In addition to ENS, Unstoppable and Handshark are also worthy of attention.

According to ReportLinker's forecast, the number of functional variable name projects is expected to reach 512, and the number of registered functional variable

names will reach 3 million by 2027. If NFT function variable names can occupy a market share of 5% to 10%, then the entire NFT function variable name market will grow by more than twenty times compared to today.

NFT function: DeFi+NFT

In the encryption ecosystem, the two brightest stars are NFT and DeFi. In the past year, we have seen more integration and innovation of NFT and DeFi.

NFTX (NFT Fragmentation)

NFTX is a platform for creating a liquid market for NFT, and it is also a representative project of NFT fragmentation. Users can deposit their NFTs into an NFTX vault and mint a fungible ERC20 token (vToken) that represents the assets within the vault. Typically NFTs are illiquid and difficult to price, but NFTX makes the NFT marketplace much simpler, including creating an instantly liquid marketplace for newly created NFTs. In other words, it is to pledge the NFT issuance into a pool, and then issue the corresponding ERC20 token. Fragmented NFT improves transaction liquidity and will also bring out the value of asset liquidity.

NFTfi

The logo for Hawk, featuring a stylized hawk's head in profile, looking to the right. The hawk has a yellow beak and a yellow patch on its forehead. The head is set against a light blue circular background. Below the hawk's head, the word "Hawk" is written in a large, light blue, sans-serif font.

NFTfi is an NFT mortgage lending platform. NFTfi can meet the borrowing needs of users and the liquidity needs of NFT assets. It can be said that it is at the forefront of NFT+DeFi. The principle is like a typical pawnshop, except that the traditional pawnshop is one-to-many (institutions to multiple mortgagers), while NFTfi is many-to-many. Borrowers put their NFT assets on the market as collateral, and then the lenders in the market quote (loan amount, loan term, and the total amount to be repaid at maturity). The borrower finally chooses which loan to accept, and then will receive wETH or DAI from the lender. At the same time, the borrower's NFT will be

locked in the NFTfi smart contract until the borrower repays the loan within the due date (the loan period varies from 7 days, 14 days, 30 days and 90 days). If the loan is not repaid by the due date, the lender will get the borrower's NFT.

NFT infrastructure

public chain

Currently, Ethereum remains the leading NFT blockchain as it hosts the largest number of projects. The public chains WAX and Flow that focus on NFT, the Layer 2 solution ImmutableX that focuses on NFT, and the emerging public chains BSC, Solana, and Polygon are also worthy of attention. Despite its dominance, Ethereum's transaction fees remain a perennial problem. As we all know, the transaction fee of Ethereum is much higher than that of other blockchains. The transaction fee of BSC is about 0.45 US dollars, Flow is 0.02 US dollars, and Polygon is 0.0001 US dollars.

Top NFT Game Studios

DapperLabs: Developed the NFT game that was once popular in the entire encryption industry-CryptoKitties (encrypted cats), which once caused congestion in Ethereum. In order to avoid the high transaction costs of Ethereum, DapperLabs established Flow, a public chain focusing on NFT. In addition, the NBA Top Shot series NFT jointly produced by the studio and NBA officials is also very popular among fans.

Animoca Brands: It is a game development company located in Hong Kong. Since the beginning of 2017, Animoca Brands has been actively involved in the blockchain. In addition to various large-scale expansion investments, it has also established various cooperations at a fast pace. Currently, blockchain games under Animoca Brands include Metaverse The Sandbox, casual game platform GAMEE, 3D action game Phantom Galaxies, and racing simulation game REVV. It is worth mentioning that the company has also developed an NFT collectibles marketplace called Quidd, with partners including Disney, Marvel, HBO (Game of Thrones), CBS (Star Trek) and the NBA.

NFT DAO

Governance DAO: Governance DAO refers to the use of tokens to decentralize project governance rights to the community, thereby achieving community-driven and decentralized governance. Token holders can propose, vote, and govern projects. At present, there are mainly NFT trading platforms Rarible and Mintable, index fund protocol NFTX, Metaverse Decentraland, etc.

Investing in DAO: Investing in DAO (Venture DAO) is the main category of the integration of NFT and DAO at the current stage. The main logic of this type of DAO is that community members make decisions together, invest, hold or release NFT art collections. At present, there are mainly JennyDAO, Whale, PleasrDAO, etc.

Collectibles DAO: Collectibles DAO mainly refers to a group of people who form a community with a specific identity consensus and a sense of belonging by purchasing the same NFT collection. The NFT they buy symbolizes their identity, and the Collectibles DAO is more like a club, Bored Ape Yacht Club, Bored Ape Kennel Club, Cool Cats, Meebits, Wicked Cranium all belong to this type.

NFT is a very young field in the encryption industry. Over time, the transaction volume, asset liquidity and number of new users are rapidly expanding. It is expected that use cases such as metaverse, fragmentation, and streaming media will still have the potential for rapid development in 2022. As more use cases emerge and mature, the NFT ecosystem is expected to gain wider access to crypto investors.

As one of the most direct and perceptible joints between blockchain and valuable objects, NFT is expected to continue the trend of "out of the circle". In real life, game accounts, original music, videos, figures and even real estate can all be classified as non-homogeneous assets. There are already a lot of innovative companies or individuals with big brains who have begun to use blockchain technology to issue these tangible assets on the chain to achieve more convenient circulation.

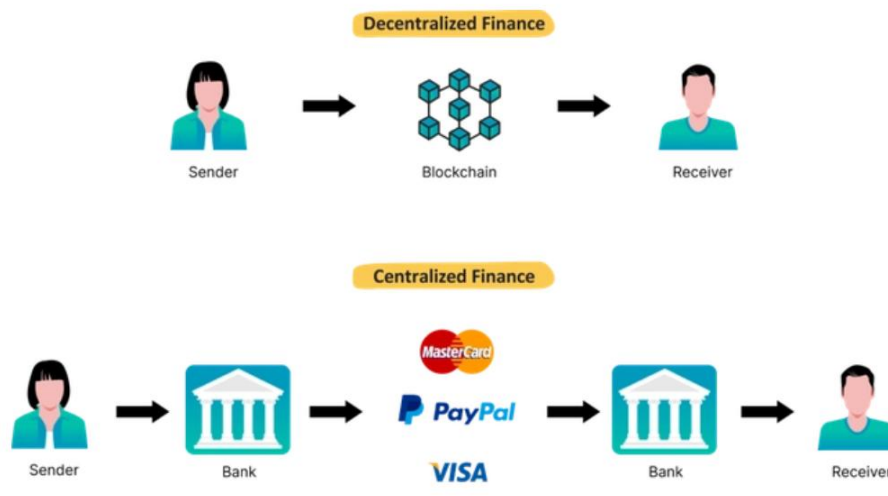
NFT is no longer just a speculative industry; similar to DeFi, it has now become an industry that can create value. Compared with the traditional art market, the market share of NFT is still negligible. 2021 NFT has been widely popularized through digital artworks, and 2023 NFT will usher in an extraordinary milestone.

1.3 What is the NFT ?

1.4 What is the DeFi ?

DeFi stands for "Decentralized Finance". DeFi aims to provide financial services without centralization, so that everyone can conduct financial activities anytime and anywhere, and trade cryptocurrencies through cryptocurrency + blockchain + smart contracts.

DeFi has the characteristics of decentralization, composability, high efficiency, transparency, and openness.



What are the characteristics and advantages of DeFi?

Two fundamental properties of DeFi -- permissionless and transparent -- translate into multiple powerful use cases:

Lower entry barriers, reduce switching costs, and provide optionality.

Transparent accounting and rigorous risk assessment.

Coordinate incentives to solve the principal-agent problem.

Modern infrastructure, improved market efficiency and robustness.

Global access, unified market.

Real-time data.

Eliminate counterparty/credit risk and reduce compliance costs.

The Challenges of Gaining Mainstream Adoption.

Scalability.

1.5 What is the Binance Ecosystem and Development Prospects?



Binance is one of the largest cryptocurrency trading platforms in the world, founded in 2017 by CZ. It provides a safe and reliable digital asset trading platform on which users can buy, sell, store and trade digital assets.

The success of Binance is due to its powerful technology and excellent security performance, as well as its open, fair and transparent transaction mechanism. In addition, Binance continues to launch new products and services, such as derivatives trading, loans, mining, etc., to meet the growing needs of users.

In the future, the development prospect of Binance is still very broad. With the increasing maturity of the cryptocurrency market and the wide application of digital assets, Binance will continue to maintain its leading position and continue to expand its business scope to meet the needs of different users. At the same time, Binance will continue to increase investment in technology, improve security performance, and ensure the security of users' digital assets.

In 2020, the global market has experienced unprecedented volatility and instability, which has made many economically fragile regions even worse. The epidemic has also led to drastic changes in the macroeconomic environment. For example, almost all countries have adopted quantitative easing (QE) policies. With the increase of macroeconomic uncertainty, rising inflation, and the shrinking of traditional assets under

the impact of the epidemic, more and more eyes around the world are turning to Bitcoin and other encrypted assets. During the year, the interest of traditional investors in crypto assets continued to rise, and the number of institutional clients joining the Binance trading platform also continued to increase. In 2020, the number of institutional clients on Binance increased by nearly 70%, while new institutional user applications increased by 35% month-on-month. More and more individuals and institutions regard it as an asset allocation choice, and the encrypted asset market has thus been pushed to a new level and gradually become the mainstream.

In 2020, the 24-hour trading volume of Binance's spot trading hit a record high of \$15 billion, while the average daily trading volume of spot trading was \$3.88 billion, a year-on-year increase of 36%. In 2020, there is also a cryptocurrency contract market that is particularly booming. Contracts provide the market with essential hedging and liquidity opportunities. Binance Futures also grew rapidly this year: in 2020, our trading volume reached 1.7 trillion USDT, an increase of 28 times year-on-year; the 24-hour contract trading volume also hit a record high of 37 billion USDT, an increase of 34 billion USDT year-on-year. Also hitting a record high is the position of Binance contracts, which reached 2.6 billion USDT, an increase of 18 times in 2020.

Binance Main is also working to help crypto investors better manage their assets. For example, our Binance mining pool and Binance wealth management both have high yield and liquidity. The current total value of encrypted assets on the Binance financial platform has exceeded 2.9 billion U.S. dollars, and Binance Mining Pool, which only started serving miners 9 months ago, not only has the lowest fee rate in the world, but also has the second largest computing power in the world in a short period of time.

Innovation: Decentralized Finance (DeFi) and Binance Smart Chain (BSC)

This year, we have witnessed the rise of Decentralized Finance (DeFi), which is a successful attempt at the free flow of value under blockchain technology. Through DeFi, people can participate in encrypted financial products in new ways and benefit

from them. The emergence of DeFi has also brought more traffic to the blockchain network, which has brought a series of new challenges to developers, such as increased network fees, network congestion, and more.

In order to promote the development of blockchain infrastructure, the Binance community has devoted itself to building the public chain Binance Chain (Binance Chain) since 2018. In 2020, in order to help the entire encryption community solve problems such as network congestion, Binance and the Binance Chain community have launched the Binance Smart Chain (BSC), which will provide a basis for promoting decentralized solutions (such as DeFi and other blockchain-related blockchains). chain-related solutions) to make more innovations and contributions. Through BSC, Binance provides an EVM-compatible high-performance, low-fee blockchain network. Now here, developers don't have to worry so much about cost and can focus on innovation. In order to support the entire blockchain developer community, Binance also launched a corresponding developer incentive program.

At present, the BSC mainnet has only been launched for 4 months, but the progress is quite fast. The current number of addresses on the chain exceeds 600,000, the highest number of daily transactions exceeds 473,700, and there are more than 60 high-quality projects on the chain. The average gas fee per transaction is as low as \$0.07.

In addition to BSC, another focus of Binance's DeFi field is DEX (decentralized exchange platform), which is very suitable for tokens in the early stages of development. In 2020, the total number of tokens listed on Binance DEX is 154. The existence of DEX also provides a good test field for large-scale CEX (centralized exchange platform) such as Binance main station.

In addition, the innovations that we are particularly interested in include liquidity pools and AMMs. Therefore, we have also launched many such innovative DeFi

financial products on the Binance main site, such as DeFi Staking and Binance Liquid Swap. Users of centralized platforms offer great opportunities to participate in DeFi. We have also specially launched the Binance Innovation Zone, which is dedicated to listing new encrypted assets and providing liquidity for DeFi tokens. At the same time, it also clearly distinguishes the risks of assets to remind and protect inexperienced traders.

Fundamentally speaking, both DeFi and CeFi are an indispensable part of the prosperity of the industry, meeting the different needs of users. As an industry-based platform, Binance will continue to create better solutions to support new technological developments and user needs. In 2023, I believe we will see more DeFi and CeFi related product combinations.



Chapter 2 Hawk

About Hawk

Hawk



The Hawk, the king of the sky, spreads its wings and soars in the boundless blue. Its figure passes through the clouds. It is not only the embodiment of the power and elegance of nature, but also the eternal symbol of the spirit of freedom.

It hovers proudly, unrestrained, with sharp eyes, overlooking the vast world. Every flap of its wings seems to announce to the world: true freedom lies in the unrestrained mind and the unremitting pursuit of dreams.

The Hawk's flight inspires people's deep desire for freedom, reminding us that no matter how difficult the difficulties are, we can only embrace the broadest blue sky in life if we maintain the courage and determination to soar into the sky.

The most important reason for Elon Musk's acquisition of Twitter is his strong yearning and practice for freedom of speech and transparency of information exchange. Musk himself has repeatedly expressed his support for the importance of open platforms, reducing content censorship and protecting freedom of speech.

The image of an Hawk flying high in the sky implies transcending constraints and pursuing the boundless sky, just like the boundless thoughts and expressions pursued by freedom of speech. These characteristics resonate with Elon Musk's concept of freedom of speech.

Hawk is a Memecoin anonymously launched by a group of blockchain enthusiasts who highly agree with Elon Musk's concept of freedom. It is spread through community autonomy. Its LP has been destroyed, and its sermon concept is to promote freedom. Anyone can buy and sell freely. Its ultimate goal is to surpass SHIB in market value, so that more people can enjoy wealth freedom while spreading Hawk's concept of freedom!

Issuance of Hawk

Hawk TOKEN is the governance token of the Hawk platform.

Full name of the token: Hawk

Abbreviation: Hawk

Accuracy: 18

Total issuance: 80,000,000,000 Hawk

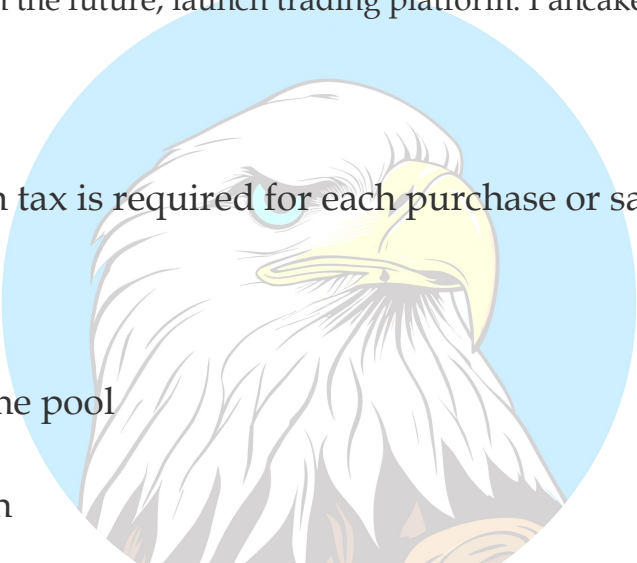
Inject liquidity in the future, launch trading platform: PancakeSwap

5% transaction tax is required for each purchase or sale :

3% marketing

1% return to the pool

1% destruction



Chapter 3 Technical Team and Development Planning

3.1 Technical Team

The Hawk technical team comes from BlockBox, the Web3.0 application research and development technical team in Silicon Valley, USA. The Blockstream team is composed of the world's best engineers and blockchain technology experts. With strong technical strength and years of rich experience, the technical team has successfully created many star WEB3.0 applications, which have been widely recognized and used by the mainstream market.

The Blockstream team is composed of members who participated in the early development of Facebook's Libra project and members of Google, Microsoft, AR artificial intelligence, and cryptography technology research and development teams. In addition, Blockstream has a group of excellent technical volunteer teams. They come from giant companies such as Google \ Microsoft \ Tesla \ Facebook \ Amazon, which is a group of blockchain technology enthusiasts, urban planning enthusiasts, space explorers, game developers and blockchain consensus members.

3.2 Technical Advantages

3.2.1 Application of IPFS distributed storage technology

What is IPFS?

IPFS, the full name is interplanetary file system, was founded by the founder Juan Benet (Juan, Bennett), who graduated from Stanford University, and his team. It is a brand new hypermedia text transfer protocol, which can be understood as a website that supports distributed storage.

Correspondingly, it is the centralized storage website starting with http that everyone is familiar with now. How is this different from the websites we usually use? May wish to think about it, is the data stored on the U disk or the network disk absolutely safe? the answer is negative! The network storage file of IPFS uses the decentralized fragmentation encryption storage technology, which divides the file into multiple fragments and stores them on each node of the network, and

these nodes are the computers we use. When you download When you file, or want to open the file, the IPFS network will automatically restore the file for you to use and download, which can prevent someone or an organization from controlling your data, and can also prevent hackers from attacking. In this way, our stored data can be protected from being tampered with or deleted at will! In addition, using the IPFS network for file storage and file download is quite fast in terms of speed! The biggest magic of IPFS is that it completely bid farewell to the common lag and 404 errors of the traditional HTTP protocol.

Difference Between IPFS and HTTP

Security: HTTP is centralized, and all traffic is directly carried on the centralized server, which is under great pressure, which is likely to cause system crashes, and HTTP is also vulnerable to DDOS attacks; the storage method of IPFS is decentralized and fragmented Distributed storage, hackers cannot attack, files are not easy to lose, and security is guaranteed.

Efficiency: HTTP relies on a centralized service network, the server is easily shut down, the files on the server are also easily deleted, and the server needs to be turned on 24 hours a day; IPFS adopts a P2P network topology, and computers in the entire network domain can become storage nodes, and the nearest Distributed storage greatly improves network efficiency.

Cost: The operation of the HTTP centralized server requires high maintenance and operation costs. Once the centralized database is attacked by DDOS, it may suffer

All data will be lost if there is no force damage; IPFS greatly reduces the storage cost of the server, and also reduces the bandwidth cost of the server. The vast majority of HTTP customer network access is not localized, and there is network delay. IPFS can

greatly speed up network access. Localized network access will significantly improve the experience.

Ecological solution full chain technology

Completely decentralized. Put the plan on the chain, fair and open. There are no human factors.

Distributed Dynamic Function Variable Name Encryption Technology

In a decentralized network, providing users with secure encrypted content is a difficult problem. The technical team of Binance Cash developed distributed function variable names and encryption technology to make DAPP more secure and stable!



3.3 Development Planning

Step1 2024.1 S1.0-Hawk On Line

- ✓ Hawk's first phase of community node recruitment;
- ✓ The first round of NFT open auction. BNB PLAN plan launched;

Step2 2024.12 S1.1-Community Consensus Building

- ✓ The second round of community node recruitment;
- ✓ Hawk Farm Game Launches;

Step3 2025.1 S1.2-Hawk is online

- ✓ Hawk betting pool, listed on PancakeSwap exchange;
- ✓ The third round of community node recruitment;

Step4 2026.3 S1.3 STAKING

- ✓ Hawk opens Staking and other functions;
- ✓ The 4th round of community node recruitment;

Step5 2027.4 S1.4 NFT MARKET

- ✓ NFT MARKET is officially launched. NFT Free Trade;
- ✓ The fifth round of community node recruitment;



Hawk

Step6 2027.5 S1.5 HawkSWAP

- ✓ The world's first IPFS distributed exchange HawkSWAP is online;

Step7 2028.1 S2.0- GAMEFI

- ✓ Chain game online;
- ✓ The multi-chain aggregation system is launched, realizing the three

major ecological aggregations of BSC\ERC\HECO\, and flash exchange interoperability;

✓ Empowering the global chain game ecology, supporting outstanding players GAMEFI's entrepreneurial plan;

✓ DAO Referendum Governance System Launched;

Step8 2029 S3.0

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Disclaimer

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