

METATRADS

META
0 1
TRADS

 METATRADS

WhitePaper

METATRADS

Circulation Platform of Metaverse Ecological Value

CONTENTS

1.BACKGROUND	01
1.1 Project Background	01
1.2 From Explosion to Cooling Down	01
1.3 Industrialized Shackles Abound	02
1.4 The Underlying Logic of NFT	03
2.PLATFORM	04
2.1 About MetaTrads	05
2.1.1 Design Inspiration	05
2.1.2 Development Idea	05
2.1.3 Vision	05
2.1.4 Advantages	06
2.1.5 Team	07
2.2 Application Scenario	09
2.2.1 Trading Market	09
2.2.2 NFT Auction	09
2.2.3 Combination Sales	09
2.2.4 Request to Cast	09
2.3 Economic Model	10
2.3.1 Token Introduction	10
2.3.2 MT NFT	11
2.3.3 Mining Mechanism	12
2.3.4 Guild System	13
2.3.5 Identity System	13
2.3.6 Trading Fee System	14

2 . 4	Characteristic	14
2.4.1	Privilege of Trading	14
2.4.2	Technical Characteristics	15
2 . 5	Terminal	16
3 .	THREE SCENES	17
3 . 1	Business Sectors	17
3.1.1	Real Assets	17
3.1.2	Internet Assets	17
3.1.3	Cryptoassets	17
3 . 2	Business Expansion	17
3.2.1	Encrypted Game Assets	18
3.2.2	Crypto Artwork	18
3.2.3	Crypto Financial Assets	18
3 . 3	Expansion	19
4 .	FOUR TECHNOLOGY	20
4 . 1	Technology Overview	20
4.1.1	Technology Advantages	21
4 . 2	Architectural Layers	22
4.2.1	ZK Rollup	22
4.2.2	Side Chain	22
4.2.3	Plasma	22
4.2.4	Status Channel	23
4.2.5	ORS	23
4.2.6	OR	23
4.2.7	Zero-Knowledge Proof	24
4.2.8	Smart Contracts	24
4.2.9	Server-side 22	24

4 . 3	Security System	24
4.3.1	Defense System	24
4.3.2	Triple-protection System	25
4.3.3	Security Audit	25
4.3.4	Wallet Security	25
5 .	FUTURE DEVELOPMENT	26
5.1	Strategic Cooperation	27
5.2	Words from Developers	28
5.3	EXEMPTION CLAUSES	29



1 . BACKGROUND

※ 1 . 1 Background

NFT first appeared in 2015 with the first batch of projects launched in 2017, and it grew rapidly in 2021. The total market value of NFT in the first half year of 2021 was 2.5 billion US dollars, and the sales only in July soared to 1.5 billion US dollars. NFT market began to grow rapidly in 2020, and the NFT market volume in September successfully exceeded 7 million US dollars within a month increase more than ten times; the volume in October exceeded 8 million US dollars, showing a trend of increase; as of Oct 17, 2020, the total NFT market volume had exceeded 136 million US dollars, selling 5 million NFTs with the average price of 27.3 US dollars, and the overall transaction data is showing a significant growth trend year by year.

※ 1 . 2 From Explosion to Cooling Down

The year of 2020 is the first year for the explosion of NFT trading market. The NFT market volume in September successfully exceeded 7 million US dollars with a month increase more than ten times; the volume in October exceeded 8 million US dollars, showing a trend of increase; as of Oct 17, 2020, the total NFT market volume had exceeded 136 million US dollars, selling 5 million NFTs with the average price of 27.3 US dollars, and the overall transaction data is showing a significant growth trend year by year.

The year of 2021 is coming to an end, but NFT is still going strong. In the first half year, from game assets, crypto artworks to cooperation with multiple entities, NFT has been looking for a bigger market space. As non-fungible token, NFT is featured of uniqueness, scarcity and inseparability. It connects the virtual and the real and realizes the concrete

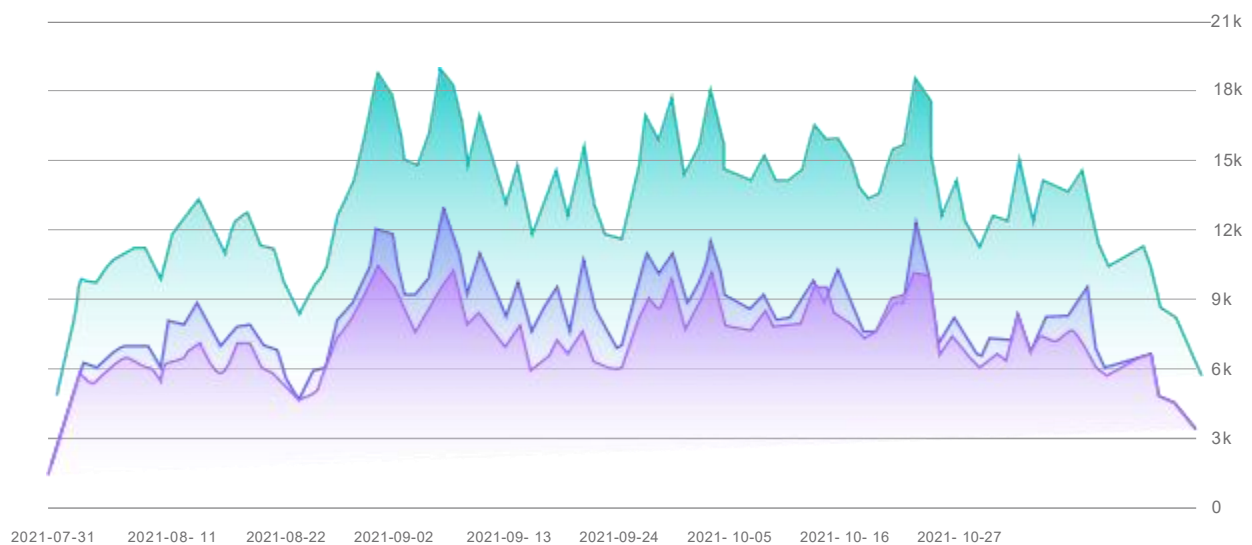
symbolization of multiple assets and properties. The NFT track in the second half year is cooling down. The nftgo. io data shows that the number of traders in recent three months is declining gradually.

Traders

24H 7D 30D 3M 1Y All



● All ● Seller ● Buyer



※ 1 . 3 Industrialized Shackles Abound

The shackles include various fixed assets, tickets, certificates which can be seen frequently in daily life, the popular artworks, medal for community contribution, etc. represented by real estate. In light of the development status of NFT, current NFT technology is actually in a very early stage. Even if we treat the development of NFT with a conservative attitude, there will be hundreds and even thousands of times of market size growth in future two to three years.

There is an aspect which is inconsistent with market potential. NFT block has problems of poor circulation infrastructure, liquidity shortage, traceable transaction, high user threshold, etc. Fully releasing the value of cooperation between NFT and diverse industries is our original



intention of launching MetaTrads and is also the business value of MetaTrads. As a professional NFT smart contract platform, MetaTrads will promote current NFT market to evolve forward and towards the direction of large scale from aspects of technology, circulation, application, user volume, etc.

There are still some huge development opportunities brewing in the big market of NFT, and there is a chance to lead the next wave of blockchain which is worth more attentions and practices.

※ 1 . 4 The Underlying Logic of NFT

NFT is short for Non Fungible Token, and it is a kind of asset based on blockchain technology. In crypto assets, FT (Fungible Token) is on the contrary. Bitcoin and Ethereum are both fungible tokens which are similar to the standard products of traditional finance. Compared with fungible token, NFT is more personalized and is similar to the non - standard product of traditional finance. The tokens cannot be divided or separated, and each token is unique, just like the codes on different legal tenders which are unique.

As the representative product of NFT, cryptokitties was very hot in 2017 , which has started the wave of NFT artwork field. NFT can represent the artwork, collection, game item, etc. , and has different characteristics compared with the collections in economic system of traditional game:

Ownership

The centralized organization (such as the game operator) can control the virtual assets at will and even take away them, but NFT is the asset really owned by the player.

Permanency

Once NFT is casted, it will exist on blockchain permanently.

Proved scarcity

Because all records can be accessed publicly, the number of current NFTs can be confirmed at any time.

Proved origin

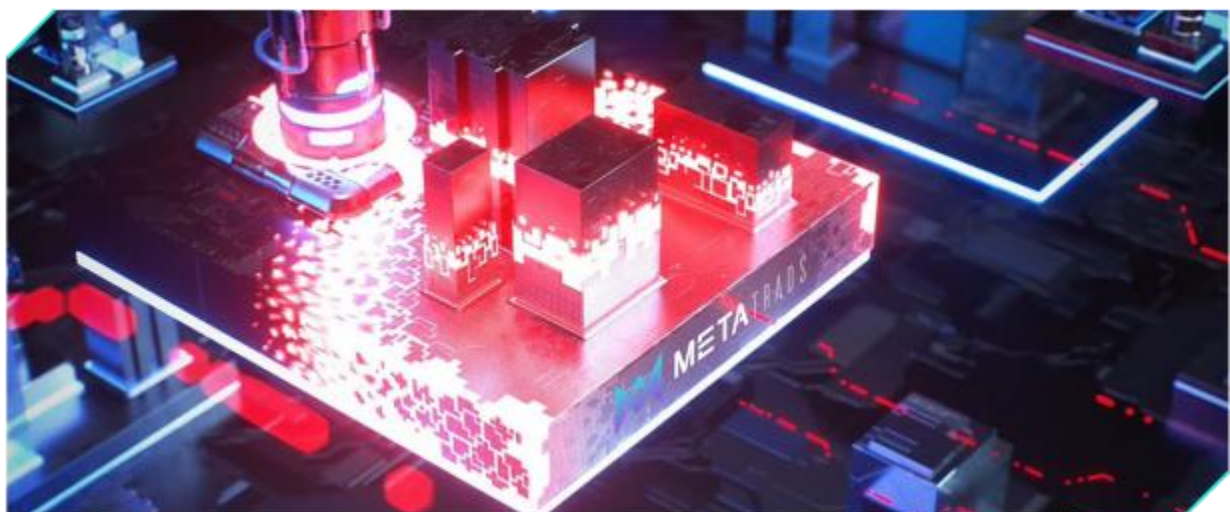
It is possible to know who owned the NFT and trace the NFT creator.

Programmability

With smart contract technology, NFT allows trading between the players and even between other games or applications.

Decentralization

The economy is keeping its integrity in a way of full trust. Once the game is started, even if the player leaves, the game party can still operate driven by the community spontaneously.





2 . PLATFORM

※ 2 . 1 About MetaTrads

MetaTrads is the industry's leading professional Metaverse ecological aggregation trading platform, the platform supports ERC20, 721 and 1155 asset protocols and MATIC, SOL, BSC, WAX and other multi-chain assets, with Turing's complete transaction engine, architecture, multi-practice asset circulation module to meet users' needs related to chain asset circulation such as purchase, sale and auction. At the same time, it guarantees the property rights trading of each Metaverse asset and builds property rights consensus property aiming to become the global chain ecological value circulation platform with the largest trading volume and the most user carriers.

※ 2 . 1 . 1 Design Inspiration

MetaTrads is committed to build the world's largest blockchain game ecological value circulation platform. The platform will provide blind box, card, award pool and other application scenarios, cultivate the user's habit through the rich and interesting playing methods and popularize the blockchain game concept; in the way of draw, more users can hold NFT assets for free to start their NFT transaction for the first time on the platform, accumulate the user pool, and expand the liquidity.

※ 2 . 1 . 2 Development Idea

We hope the first batch of MetaTrads holders are adventurers, pioneers and transmitters who really understand and appreciate MetaTrads, but not the speculators. We hope MetaTrads becomes a project really driven by the community.

※ 2 . 1 . 3 Vision

Constant improvement of underlying technology, convenient circulation mode, individualized ownership, open and transparent issue, and



community - based development will change the mode of blockchain game industry. There are good reasons for explosive growth of blockchain game, which is the vision Metatrads will achieve in future.

※ 2.1.4 Advantages

MetaTrads can be used in various fields not limited to blockchain game and Metaverse. Besides, by opening special areas, it can also be used in copyright protection, digital artwork trading, charity activity, intellectual property, the trading and circulation of NFT assets, etc.

(1) High -quality assets, airdrop of tokens and other benefits can be enjoyed irregularly on MetaTrads;

(2) A lot of Metaverse and blockchain game asset tokens will be traded on MetaTrads for the first time. The users need to participate in the public offering of the tokens, and MetaTrads will become the ideal channel;

(3) A lot of blockchain game and Metaverse governance tokens will be traded on MetaTrads before being traded on the three main mainstream exchanges;

(4) Controllable decentralized escrow: self - management, the third - party escrow, enterprise - level credit granting and rating, management of multiple - type assets and funds, and DeFi control panel;

(5) Decentralized compliance: it conforms to the FATF anti-money laundering supervision requirement and has automatic and customizable reporting mechanism. The transaction and communication records are filed and cannot be tampered. The platform has been audited, authenticated and insured.

※ 2 . 1 About MetaTrads



Mack Flavelle

MetaTrads founder and CEO

Mr. Mack Flavelle is the Chief Creative Officer of cryptokitties. He's also the technical expert and thought leader. In the past 2 decades, he has founded more than a dozen companies and has invested hundreds of millions of US dollars in multiple industries including blockchain.



George

MetaTrads CTO

Master of MIT

Visiting Professor of University of California, Berkeley
 One of the main R&D members of blockchain project Quorum subordinate to JPMorgan

Participated in early construction of EOS and Blockone project

Served as the technical adviser of Block.one

One of early developers of Ethereum

Rich experiences of two technologies of privacy protection and expandability



Smith

MetaTrads COO

Mr. Smith is an economist graduated from University of Kent

His core competence lies in consulting service and the application in banking, finance, real estate, digital asset management and other new industries supported by blockchain

He worked in American development institution, bank, financial group and other transnational corporations



Gary

MetaTrads Technical Adviser

As a senior hacker, product designer and entrepreneur, Gary has nine years of full stack engineering. He's proficient in RoR, Elixir, Golang and other languages, and is interested in machine learning and artificial intelligence.



Thomas Daly

MetaTrads Strategic Consultant

One of core members of former Digital Currency Group Assets Management Team

Member of FED Monetary Policy Regulatory Committee/ SEC member

Participated in early founding of Grayscale
Operated several trust products based on digital currency which were popular in secondary market such as GBTC, ETHE, ETHG, etc. His

investment map stretches over every subdivision of blockchain industry

Have unique insights for crypto assets management and operation



※ 2 . 2 Application Scenario

※ 2 . 2 . 1 Trading Marke

MetaTrads trading market is positioned at ebay of NFT market. The seller can show its NFT assets on the platform and sell at the fixed price or sell in the way of live auction. The buyer can pay according to the actual situation and transfer the assets after payment.

※ 2 . 2 . 2 NFT Auction

Before the auction of MetaTrads, the seller can set a reserve price and limited time. The buyer's price must be higher than the reserve price. Within the limited time, the buyer who offers the highest price can obtain the crypto assets auctioned by the seller.

※ 2 . 2 . 3 Combination Sales

The goods on MetaTrads can be sold separately or in combination with other goods. With game NFT as an example, the goods sold in combination with others can be different props in the same game or the assets in different games.

※ 2 . 2 . 4 Request to Cast

According to the fitness of application, the platform will create a direct channel for realization of thinking and talent for the developer. With game as an example, the players can publish a request advertisement on the terminal, invite or call to cast NFTs they want according to their own needs, and achieve corresponding commission awards after finishing.



※ 2 . 3 Economic Model

※ 2 . 3 . 1 Token Introduction

Full name of token: [MetaTrads](#)

Short name of token: [MT](#)

Total issue volume: [1 0 billions](#)

Distribution ratio:

Token name	Assigned to	Allocation ratio	Distribution rules
Total Volume: 1 0 billion	Liquidity Pool	1.2%	12 million MTs for pool, gradually bought back and burn in the future
	Mining	98.8%	Calculated according to the output ratio; Mining reward will be released 40% of MT immediately and the remaining 2‰ per day

※ 2 . 3 . 2 MT NFT

2 . 3 . 2 . 1 Introduction of MT NFT Card

MetaTrads is a chain game ecological aggregation trading platform. MetaTrads NFT cards are jointly created by multiple artists with excellent visual effects. Each card has a globally unique number, and is divided into six levels: U, N, R, SR, SSR, and UR according to the rarity of the card. The rarity setting is based on public mathematical expectations and verifiable contract codes. The higher the level, the higher the rarity and the smaller the number.



2.3.2.2 NFT Model

The initial total NFT: 60,000

Distribution: 50,000 on sell & 10,000 for airdrop

Classification: 0~5 stars, the higher the star, the higher the weight of mining, and other attributes.

2.3.2.3 Synthesis

2 NFT of the same star and reach the number of transactions can be synthesized into one advanced star NFT, each synthesis must consume MT, synthesis has the probability of failure, loss of synthesis cost, but NFT lossless

2.3.2.4 Properties

Star rating	Mining coefficient	Upgrade condition 1	Upgrade condition 2
1 Star	1.2	Being traded 100 times	has a 50% base chance and increasing 1% probability of being traded per 50MT. The maximum success rate is 70%
2 Star	1.8		Coming Soon
3 Star	Coming		
4 Star	Soon		
5 Star			

2.3.2.3 Card Benefits

- Dividend of platform service fee
- Get benefits by trading the card
- Dividend of platform development
- Get benefits by inserting the card



※ 2 . 3 . 3 Mining Mechanism

2.3.3.1 MT Mining Reward

Everyone who traded on MetaTrads platform can get the rewards. It related to how much of the trading fee that the user costs. The formula of trade mining is as bellow:

MT output of single trade = single trade fee/MT price * NFT mining coefficient

Example

The price of MT is 1usdt at that moment. If the user sold a 1 Star NFT and it costs him 5 USDT trading fee, then he can get $5/1*1.2 = 6$ MT

Release Rule

- Mining reward will be released 40% of MT immediately and the remaining 2% per day
- If the platform's weighted average trading volume of EMA1 is less than 80% of EMA 7, all players in the network will suspend releasing MT. If EMA1 is more than or equal to EMA 7, it is released normally. That is to say, when $EMA1 < EMA7$, release is suspended until EMA1 is higher than or equal to EMA7 again.

2 . 3 . 3 . 2 Platform Trading Fee (USDT) Dividends

Trading fee

The trading fee will increases 1.25 times per sell during a day, and the initial daily fee is 2% for the seller

Dividends

45% for guild rewards, 30% for MT market making, 10% for events reward and 15% for platform operation



※ 2 . 3 . 4 Guild System

With identity, you can form a guild and become a leader to share 45% of guild bonus of the total network processing fee based on guild activity. Clans with different identities can gain different activity bonuses (weighted by transaction statistics) to achieve higher guild activity.

Bounty Hunter Weight: 1X

Alchemical knight Weight: 3X

Lord of Vibranium Weight: 6X

Clan liveness = Clan Transaction value * Weight

Guild reward = Guild Weight / Whole Network Weight * 45% of the trading fee of whole network

※ 2 . 3 . 5 Identity System

- Bounty hunter : Purchase 200 NFTS during the INO phase, and transfers the NFT to activate 200 user addresses
- Alchemy Knight : Purchase 500 NFT's during the INO phase, and transfer the NFT to activate 500 user addresses
- Lord of Vibranium : Bounty hunters and Alchemist knights can be elected to Lord of Vibranium. Players who hold more than 2 stars of NFT are eligible to vote

Notice

- When you becoming Lord of Vibranium and Bounty Hunter/Alchemist Knight, gain the highest-level bonus of calculation
- The identity of Bounty hunter and Alchemist knight status is permanent
- Lord of Vibranium is valid for 1 month and needs to be reelected every month. If he loses, he reverts to his original identity

Example

The Alchemical knight wins the election and gains the status of Lord of Vibranium. His status is rewarded according to the highest rank of Lord of Vibranium. When the user loses the election in the next month, he/she will lose his/her status as Lord of Vibranium and regain his/her status as Alchemical knight. The team bonuses are return to calculate as Alchemical knights.

※ 2 . 3 . 6 Trading Service Fee

By trading on MetaTrads platform, the platform will charge a certain percentage of service fee. The service fee will be evenly divided into three parts for buy - back and destroying of platform tokens, dividend of MT NFT card holder and platform operation.

The rule of MetaTrads trading fee will increases 1.25 times per sell during a day, and the initial daily fee is 2% for the seller





※ 2 . 4 Characteristics

※ 2 . 4 . 1 Privilege of Trading

Copyright deposit certification:

The creator can conduct copyright certification on the platform, and the certification result can be deposited on the blockchain.

Trading of right to use:

The creator puts the right to use of artwork on the platform to trade, and the buyer can buy the right to use directly.

Asset securitization:

The copyright of artwork can be separated into several parts, and the investors can invest and obtain profits according to the share.

Trading of token:

The token can be traded with other currencies to increase the token value.

Trading of copyright:

The platform supports listed trading, competitive price trading, trading by agreement and other trading modes.

Means of payment:

The means of payment is developed to store the tokens. The tokens can also be used to buy artworks in cooperative store.

※ 2 . 4 . 2 Technical Characteristics:

High - speed operation:

Stable and reliable network is guaranteed. Real -time trading, casting, buying, selling, order placing and settlement are not delayed. Low gas fee:

The gas fee generates while greatly reducing the casting or trading assets, and there is no fluctuation of gas fee; the gas fee is open and transparent, and the common users can afford.



Self - governance platform:

The assets are fully owned by the user, and there is no trust risk for assets.

Credit not needed:

NFT of any property can be traded freely, providing comfortable and smooth usage experience.

Simple operation:

Concise interface; convenient operation; reasonable NFT assets display; rapid recharge and withdrawal; switch between Chinese, English and other languages.

Multiple mainstream wallets supported:

The platform currently supports Imtoken and matemask and is planning to support more wallet applications and connect to global mainstream NFT project ecologies.

Multiple token payment supported:

The platform currently supports ETH and NFT assets trading pairs and is planning to gradually open other blockchain assets trading pairs while improving Erc2 0 token payment.



※ 2 . 5 Terminal

PC terminal and WEB terminal have been opened now, especially the independently - developed mobile terminal optimized experience. The service platform is mobilized, so the player can participate in NFT mini game anytime and anywhere and conduct assets management circulation.



Note: picture of terminal

Subject to the low performance and high cost of blockchain network, it is difficult for NFT to bear the high - frequency and large - scale market, not to mention going popular and being accepted by common users. Ethereum ecology is also facing such a problem and is seeking for solutions. MetaTrads uses the simplest and most effective technical solutions to made infrastructure for the future with low trading liquidity of PC and mobile in - game props, limited exchange and trading channels and high dependence degree of users on the platform. The blockchain game is more favorable to the safe and convenient trading.

3 . THREE SCENES

※ 3 . 1 Business Sectors

MetaTrads are currently engaged in three sectors: real assets, Internet assets and encrypted assets.

※ 3 . 1 . 1 Real Assets

Real Assets: real assets refer to large offline physical assets with realistic guarantee, such as a work from Van Gogh or a second- hand house in a city. A third- party is required to guarantee and exchange the real assets with NFT tokens;

※ 3 . 1 . 2 Internet Assets

Internet Assets refer to digital information assets based on the Internet, such as domain names, game accounts, etc. Internet companies or public Internet organizations need to guarantee and exchange the Internet assets with NFT tokens with equal proportion.

※ 3 . 1 . 3 Cryptoassets

Encrypted Assets: cryptoassets originate from the blockchain network. They are underlying network facilities, which are built based on cryptography and distributed account technology. Therefore, this kind of assets naturally hold the attribute of "intermediary - free" , such as ENS, which is an Ethereum domain name, CryptoKitties, virtual land, etc.

※ 3 . 2 Business Expansion

From the perspective of the development speed of asset scale, NFT cryptoassets boast of the fastest development speed, followed by NFT Internet assets, and finally the NFT real assets. As a circulation infrastructure, MetaTrads will provide users with all - dimension services for NFT cryptoassets, and fully release the value of NFT and diversified industries.



※ 3 . 2 . 1 Encrypted Game Assets

Game companies build their complete game logic into the blockchain network through smart contracts, and express players' personalized game assets in the form of NFT tokens. Game companies earn money by saling game assets. By expanding the player group and increasing the popularity of the game, more users / players can make profits by hyping / investing in NFT encrypted game assets on the platform.

※ 3 . 2 . 2 Crypto Artwork

Artists make use of the NFT technology to directly create crypto artworks based on blockchain network. Compared with traditional paintings, sculptures and other artworks, crypto artworks present more flexible and rich styles, and artists can protect their original rights and publicly verifiable " multi limited edition" artworks in an easier way.

The cost of displaying, auctioning and selling NFT crypto artworks on MetaTrads platform will be very low. The rare attributes of crypto artworks will prominent in the process of value transfer.

※ 3 . 2 . 3 Crypto Financial Assets

As a result of the development of decentralized financial technology, more and more financial derivatives based on cryptocurrency are emerging, which are best expressed by NFT. For example, if we pledge part of our ABC tokens to a POS network verifier node for 3 0 days, we can obtain a bond NFT with 3 0 days of maturity. Any user holding the NFT can retrieve the pledged ABC tokens and their corresponding interest from the corresponding network node after 3 0 days.

※ 3 . 3 Expansion

Intellectual property NFT transaction: any intellectual property rights, such as song copyright, film and television copyright, invention patent, picture copyright, painting copyright, etc. , can be authenticated by NFT. In short, it is equivalent to pasting an unchangeable and unique bar code on everything to confirm and identify the copyright of the asset.

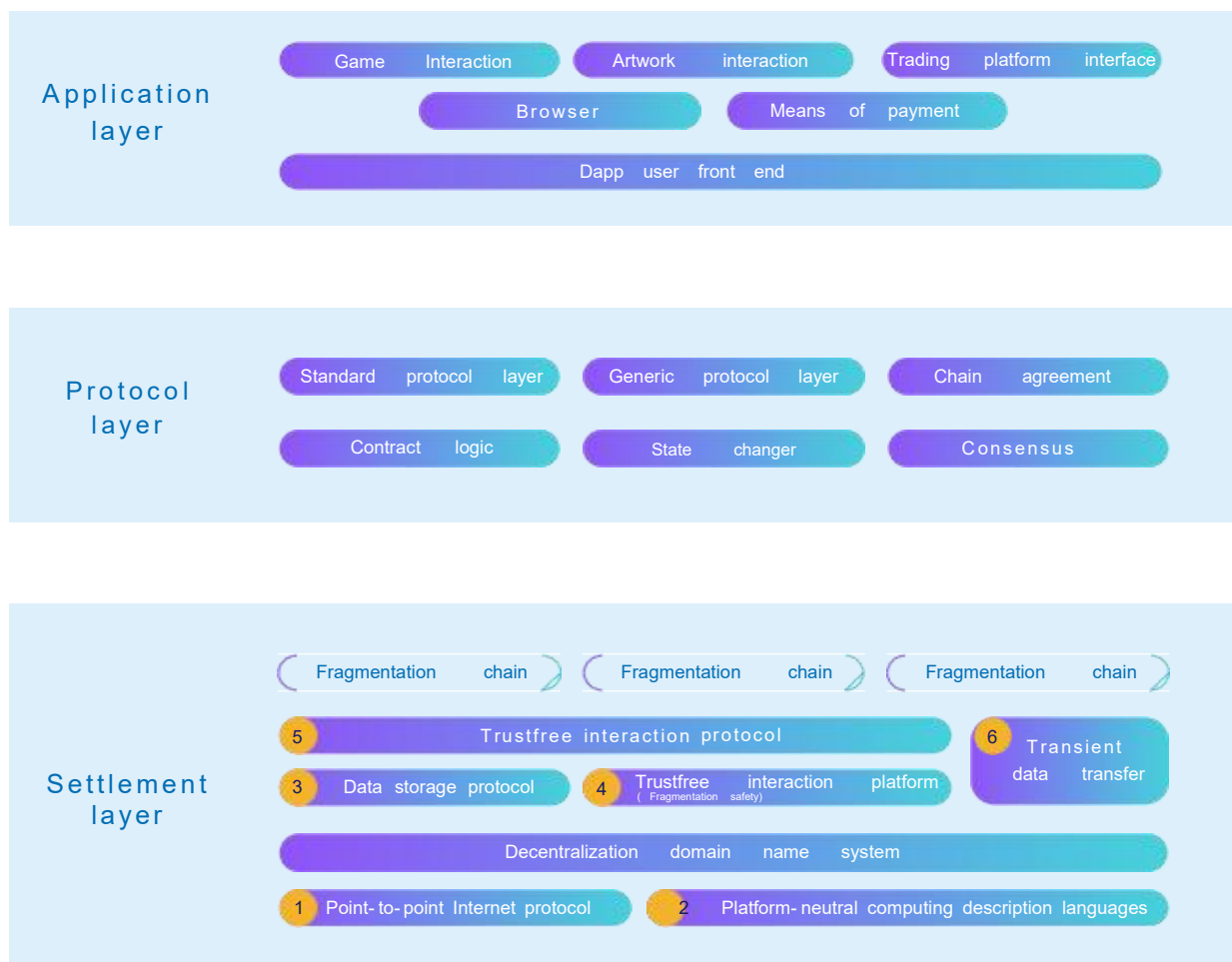
Real estate NFT deposit: real world real estate assets are tokenized on the blockchain, making the transaction smoother, eliminating third-party intermediaries and preventing ownership conflicts. Technology and cognition are enjoying a continuous development and progress, and the application of NFT goes far. I believe we will tap more potential and application scenarios. We are expecting more in the future.



4 . FOUR TECHNOLOGY

※ 4 . 1 Technology Overview

MetaTrads is the combination of blockchain technology and NFT asset circulation, whole platform adopts mature technical solutions that have been widely proven and tested by long - term practice. Supported by the excellent characteristics of Ethereum, it can provide a platform with smart contract data services with high processing capacity and low delay. In the future, it can support millions of users, easily realizing bug recovery and upgrade, with good scalability.





※ 4 . 1 . 1 Technology Advantages

Real Assets: real assets refer to large offline physical assets with realistic guarantee, such as a work from Van Gogh or a second- hand house in a city. A third- party is required to guarantee and exchange the real assets with NFT tokens;

High Throughput

With the fine - grained control of block data and good parallel processing optimization of grass - roots blockchain infrastructure, MetaTrads framework can support second - level confirmation time and strong transaction processing throughput.

Intercommunity

Based on the cross - chain mechanism of basic blockchain infrastructure, MetaTrads can provide data services for the whole NFT ecosystem and realize the transfer and intercommunity of multi - category NFT assets.

Liquidity

Users can participate in NFT asset circulation worldwide through MetaTrads.

Convenience

MetaTrads offers more efficient and practical services and API for all NFT blockchain applications to make use of the services provided by the platform.



※ 4 . 2 Architectural Layers

Real Assets: real assets refer to large offline physical assets with realistic guarantee, such as a work from Van Gogh or a second- hand house in a city. A third- party is required to guarantee and exchange the real assets with NFT tokens;

※ 4 . 2 . 1 ZK Rollup

The layer 2 uses the popular ZK Rollup as the solution. The side chain is independent of the Ethereum main chain and runs parallel to the Ethereum main chain. The side chain has free common sense calculation. It communicates and make trades with the main chain through bridging.

※ 4 . 2 . 2 Side Chain

The side chain greatly reduces the calculation pressure of the main network, which is characteristic of low cost and short development time. However, since the side chain operates independently and the security is completely separated from the Ethereum main chain, there are few side chain verifiers and the consensus mechanism is weak, therefore, asset security problems can appear easily. Ronin and xDai of Matic and Axie Infinity adopt the side chain as the two - tier solution.

※ 4 . 2 . 3 Plasma

Plasma is another kind of side chain, which utilizes smart contracts to establish numerous sub - chains attached to the main chain of Merkel Trees. On the premise of equal security of the sub chain and Ethereum main chain, the interaction and communication between sub chains shall be added, which has ensured the Plasma security and reduced the congestion of the main chain. Since Plasma adopts "fraud proof" to ensure the security of assets, there is a lock - in period from the side



chain to the main chain of Ethereum, usually seven to fourteen days, which is not friendly to users of high - frequency transactions of small assets.

Currently, Plasma has four versions: Plasma cash, Plasma Debit, Plasma Prime and Plasma MVP.

※ 4.2.4 Status Channel

Status channel is a general expansion plan for locking assets to smart contracts, which boasts of good privacy and immediacy. However, the transaction requires multiple smart contract signing participants to verify online at the same time, and the transaction requires participants to update and verify multiple times. For NFT transactions, frequent transaction verification means high transaction fees. In addition, there is a risk of attack on multiple signing participants. Enjin's Efinity and Rai den currently adopt state channels.

※ 4.2.5 ORS

Optimistic Rollups (ORs) is another Layer 2 solution based on Ethereum underlying network. Similar to Plasma, it does not use infinite sub - chain scalability, but uses EVM compatible Optimistic Virtual Machine (OVM) . FOptimisticJ gets its name for the reason that its transaction submitted in advance is not proved, and its default is " Reasonable" . Anyone can submit a " Fraud Certificate" .

※ 4.2.6 OR

Flexible general operation, data link storage and good user experience. However, like Plasma, NFT transaction requires a long waiting time, and it has limited network throughput compared with other schemes. In addition, there are security concerns. Optimism of Synthetix selects Optimistic Rollup as the expansion plan.



※ 4 . 2 . 7 Zero- Knowledge Proof

ZK Rollups is a two-layer network solution that aggregates multiple transactions into a single one, which makes use of SNARK or SNARK Zero-Knowledge Proof algorithm to prove the effectiveness of the block. ZK Rollups can deal with thousands of transactions per second, and its performance keep improving in the future. ZK Rollups is low in transaction costs. Compared with Optimistic Rollup and Plasma, ZK Rollup boasts of faster speed, strong decentralization, better throughput and scalability, no fraud proof needs to be provided. Based on the above, ZK Rollup is an NFT layer 2 network solution of MetaTrads.

※ 4 . 2 . 8 Smart Contracts

Token contract, artwork certification contract, artwork certificate generation contract, artwork copyright division contract, artwork uplink contract, artwork use right transaction contract, artwork investment dividend contract.

※ 4 . 2 . 9 Server- side

The request of the front multi-terminal identity (user, platform, institution, notary) is met. The information data can be checked on the blockchain, including node private key, authentication, data address and the adoption of Mysql in case of large data.

※ 4 . 3 Security System

※ 4 . 3 . 1 Defense System

The network defense system is composed of artificial and smart contracts, with professional security team, mature security system and rich protection experience providing multi-level three-dimensional protection for the MetaTrads platform, including defense Algorithm against DDoS attack, HTTPS encryption mechanism and massive DDoS cleaning.

※ 4 . 3 . 2 Triple- protection System

First, the front- end, back- end and database are physically isolated; Second, communication two- way encryption, information verification and review mechanism; Third, the system data backup mode, instantaneous, smooth and user insensitive server switching ability.

※ 4 . 3 . 3 Security Audit

Security audit includes translator version security audit, deprecated item audit, redundant code audit, require / assert usage audit, gas consumption audit, integer overflow audit, reentry attack audit, pseudo- random number generation audit, transaction order dependency audit, denial of service attack audit, function call authority audit, call / delegatecall security audit, return value security audit Tx. origin uses security audit, replay attack audit, variable coverage audit, business logic audit, business implementation audit, etc. The contract audit results are all passed.

※ 4 . 3 . 5 Wallet Security

Physical defense, separation of hot wallet, cold wallet and user wallet; Software defense, a special wallet tool developed independently; In- depth defense, multiple audit of wallet code and constant security program scanning.





5 . FURTHER DEVELOPMENT

※ 5 . 1 Strategic Cooperation

In the future, MetaTrads will keep cooperating with well-known auction companies, continuously promote the development of global contemporary art and culture, explore and innovate the commercial auction model through digital technology. At the same time, MetaTrads will also reach strategic cooperation with excellent global technology companies to continuously strengthen its international competitiveness and lay the foundation for prosperous ecology of MetaTrads in the future.



※ 5 . 2 Words from Developers

MetaTrads wishes that everyone can record their digital track forever through creation and auction transactions, endowing each creation and data with the right and value they deserve so that a more open, healthy and orderly global environment for the confirmation, promotion, distribution and trading of collections will be created.

※ 5 . 3 EXEMPTION CLAUSES

This document is only for the purpose of conveying information and does not constitute any investment suggestion, investment intention or abetting investment. This document does not constitute or be understood as offering any trading behavior, or any behavior of inviting to buy and sell any form of securities, nor is it a contract or commitment in any form.

Metatrads has made it clear that the relevant intended users have clearly understood. The risk of metatrads platform. Once investors participate in the investment, they understand and accept the risk of the project, and are willing to personally bear all corresponding results or consequences. Metatrads expressly states that it will not bear any direct or indirect losses caused by its participation in the development of the platform.

Including but not limited to:

- 1 . Economic losses caused by user transaction operations;
- 2 . Any error, omission or inaccurate information generated by personal understanding;
- 3 . Losses caused by personal transactions of various NFT digital assets and any acts caused by the losses;
- 4 . Any representation, warranty, obligation, commitment or other requirement regulated in this white paper is violated on participation of the MetaTrads project.