ETHEREUM ROYALTY

Break Down Technological Boundaries | Reshape The Value System

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Project Background
and Technical Application
Overview

Break Down Technological Boundaries | Reshape The Value System

1.1 Blockchain Technology Overview

Blockchain, a distributed bookkeeping technology, enables all parties involved to build trust at the technical level, it has the potential to become the infrastructure for building a future free circulation network of value, that is, the formation of a value Internet. Although the time of the widespread arrival of the Internet of Value is still unknown, from the perspective of today's development, some value LANs have gradually taken shape.In fact, in some specific areas, several partners or participants in the industry chain are working together to establish a blockchain trust network, which is already in the process of being implemented, rather than just a concept.

In 2021, trust is even more precious. Under the impact of the epidemic, the global environment has increased uncertainty, the original social order has been disrupted, the international political and economic situation has also undergone major changes, the anti-globalization thinking has further spread, and the distrust of other countries and the fragility caused by the excessive concentration of supply chains have become more and more severe. In this context, the value of blockchain as a machine that transmits trust has been greatly reve

At present, blockchain technology is called by many large institutions as a major breakthrough technology that completely changes the way businesses and even institutions operate. The technical basis of blockchain is the distributed network architecture, and it is precisely because of the maturity of distributed network technology that the organizational structure and business architecture of decentralized, weak center, sub-center and sharing, consensus, and shared responsibility can be effectively established. Today's blockchain technology has undergone several iterations:

Blockchain 1.0 — Digital Currency: In early 2009, the Bitcoin network was officially launched. As a virtual currency system, the total amount of Bitcoin is limited by the network consensus protocol, and no individual or institution can modify the supply and transaction records at will.The underlying technology that underpins Bitcoin's operation, the blockchain, is actually an extremely clever distributed shared ledger and peer-to-peer value transfer technology, and the potential impact on finance and even all walks of life may even be no less than the invention of double-entry bookkeeping.

Blockchain 2.0 – Smart Contracts: Around 2014, the industry began to recognize the important application value of blockchain technology, trying to create a shareable technology platform and provide BaaS (Blockchain as a service) services to developers, greatly improving transaction speed, greatly reducing resource consumption, and supporting a variety of consensus algorithms such as PoW, PoS and DPoS.

Blockchain 3.0 – Blockchain Application Extension: After 2015, with the rise of blockchain 3.0 technologies based on DAG data structures such as Byteball and IOTA, blockchain systems are more efficient, scalable, interoperable, and have a better user experience than before, and their applications have been further extended to health care, IP copyright, education, Internet of Things, sharing economy, communications, social management, charity, More widely used in culture and entertainment.

1.2 What is GameFi?

GameFi, to make it simple, it is to realize the realization of money (finance) in the game. GameFi is the concept of "gamified finance" under the integration of DeFi and NFT, which is to present financial products in the form of games, gamify the rules of DeFi, game props, derivatives NFT, and add traditional game battles, social networking and other gameplay, increase the entertainment and interactivity of participants, and enhance personal interest in the game.

Game Fi's "game + DeFi" attribute presents two kinds of operating logic on the product, one is to supplement DeFi (open finance on the chain) with game elements, and to gamify the rules of financial attributes such as liquidity farming income, trading, lending, etc., such as gamifying the process of DeFi's liquidity farming income, or integrating NFT (non-homogeneous token) elements to generate game equipment and improve farming yields; the other is to take the game as the dominant, with the help of NFTs to financialize game assets. The assets generated in the process of the game are on the chain, allowing these assets to circulate, exchange and monetize in the crypto market, the so-called "play while earning".

1.3 Future Trends

Blockchain will have a huge impact on the existing economy and society, and is expected to reshape the form of human Internet activity. For the recent development trend of blockchains, there are mainly the following aspects:

First, the application mode upgrade. In view of the balance between the security and transaction volume of the public chain and the increasing volume of the live network, the application field of blockchain in the future will be mainly the consortium chain, private chain or hybrid chain. The Bitcoin model increases the maintenance costs of blockchain networks and is not fully applicable for low-value, low-risk transactions. Considering the improvement of efficiency and security, the future will be composed of a consortium chain, a private chain, or a hybrid chain consisting of a consortium chain and a private chain. Second, polycentricity. In the future, the blockchain system architecture will be to build a trustable polycentric system, which will decentralize independent self-single centers and upgrade them to a unified multi-center with multi-party participation, thereby improving the efficiency of trust transmission and reducing transaction costs. That is, in the environment of information asymmetry and uncertainty, establish a "trust" ecosystem that meets the needs of various activities to occur and develop.

Third, from financial innovation to drive other industries to make breakthroughs in applications. The application field of blockchain will first start from the field where there is a need for mutual trust between the parties to the transaction, but it is not easy to establish a trust relationship, such as finance, securities, insurance and other fields. With the popularization of applications and the improvement of

social recognition, blockchain will gradually penetrate into various fields of society. For example, blockchain has been initially applied to political elections, corporate shareholder voting, forecasting markets and other fields.

Fourth, the socialization of smart contracts. In the future, all contractual agreements will be intelligent, and the use of smart contracts can ensure the reliable implementation of all agreements and avoid tampering, denial and breach of contract. In addition to transforming tangible assets in society into digital intelligent assets for rights confirmation, authorization and real-time monitoring, blockchain can also be applied to intangible asset management in society, such as intellectual property protection, domain name management, points management and other fields.

Blockchain has brought about technical means of efficiency improvement and cost reduction, providing new ideas for economic and social development and governance. Around the blockchain system, a wealth of products and services can be created, and people can collaborate on a large scale without geographical restrictions without mutual trust. As a result, a new economic era unfolded before the public. The prospects for the blockchain economy are extremely promising, with an optimistic prediction that 10% of global GDP will be leveraged on blockchain technology by 2025.

1.4 About ETC

1.4.1 ETC Introduction

In June 2016, hackers exploited a vulnerability in the crowdfunding project DAO on Ethereum to steal about $50 million worth of Ether at the time. Afterwards, the Ethereum community debated how to resolve the matter, with the focus of the debate being whether to roll back "to return the stolen Ether." Unlike database systems, a "rollback" operation on the blockchain must perform a hard fork, which means that if someone continues to trade on the original fork, two chains will exist at the same time after the fork.

Behind the debate is actually a clash of ideas, and people who oppose fork believe that the foundation's hard fork actually violates the core principle of blockchain decentralization, that is, no one should be able to tamper with the blockchain itself. Eventually, most of the people in the Ether community chose a hard fork, creating and developing a new chain, which is now ETH; Those who oppose hard forks remain on the original chain, known as ETC, ethereum classics.

After the fork, Ethereum and Ethereum Classic have each undergone several systematic upgrades through the undisputed hard fork, Ethereum is moving towards ETH 2.0 will switch from the PoW mining algorithm to PoS, Ethereum Classic has removed the difficulty bomb and will continue to maintain the PoW mining algorithm, and ETC has also designed a mechanical monetary policy for tokens, reducing the block reward by 20% per five million blocks.

At the same time, since the fork, the monetary policies of ETH and ETC have also taken different paths. ETH currently has no upper limit and is in the stage of continuous issuance. ETC has returned to the tradition of austrian economics and planned to cut production in the form of Bitcoin, and the total number will not exceed 210 million. If there is no scarcity, what is the difference between digital assets and fiat currencies in the real world? At best, it's a reversal between miners and real–world central banks.

1.4.2 ETC Value Capture

From last year to now, the value of ETC has been greatly improved, and the market is hot and highly sought after! For example, in the field of payment, UNICEF takes ETC as the bottom layer of technology, and some physical stores use ETC to pay; secondly, in the field of capital, there are constantly investment institutions entering the market, and some large institutions use ETC as a way of asset allocation, such as grayscale institutions have been buying ETC coins, so that many people and funds have entered this field to invest. As well, etc Core core development team, triple fork upgrades and other technological innovations. All of this gives investors confidence.

1.4.3 ETC's Problem

ETC Aether Classic is also recognized by the market in terms of value attributes, as well as security and decentralization, but it is very low in scalability and ecological development. It cannot meet the application needs of users in the blockchain 3.0 era.

Compared with other public chain ecological applications, ETC Ether Classic is unremarkable in terms of scalability and ecological development, especially in web3.0, after the concepts and technologies such as metaverse, NFT, DAO, DEFI came out, ETC did not keep up with the pace of development and was forced to become the identity of the "backward classical" public chain.

02

About ETR

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2.1 ETR Introduction

Ethereum Royalty, or ETR for short, aims to create a civilian–level digital financial payment that everyone can participate in at a low threshold and allow value to flow freely around the world. At the same time, ETR will also take the game as the starting point to create a virtual life blockchain game based on the NFT+ metaverse, making the link between reality and virtual more efficient and the circulation of value more abundant. Because ETR believes that the metacosm may be the ultimate form of the Internet. Therefore, we should build a decentralized online virtual reality game platform to make up for the shortcomings of ecological applications and help ecological and commercial applications.

At the same time, the birth of ETR is also to solve the classic "difficult disease" of ETC ether, and forking is often a good means. ETC Aether Classic is an open source system, anyone can start from the source code to fork, and finally decide the future of fork coins through consensus.

As the strongest forked chain ecology of ETC Aether Classic, ETR promotes the faith and consensus, future and value of ETC Aether Classic, and allows more blockchain players to understand and agree with the value of ETC Aether Classic and ETR. In the early stage, based on the Bsc smart chain to incubate and develop, the later stage in the gradual mapping synchronization to the ETR public chain, so as to maximize the governance of the encryption protocol community bottom line, its purpose is to give the majority of ETC Ethereum classic users more spiritual sustenance, waiting for the ETR main network after the launch of the team will be Bsc ecological chain ETR users cross–chain to ETR ecological chain, We firmly believe that our real battlefield is the real battle that begins after the ETR mainnet is launched.

ETR will also aim to be a leader in the next generation of the web 3.0 track and play a vital role in the internet's journey from Web 2.0 to Web 3.0. Using blockchain technology to solve the pain points of user security, transactions, social networking and other issues, and based on dao organization co–construction and sharing, a series of key Web 3.0 functions are integrated into practical applications, so that ownership can be returned to users, thereby protecting the rights and interests of participants.

ETR by changing the transaction data structure of ETC, the version of the node code upgrade, the old node refuses to verify the blocks produced by the new node, the old node believes that it is not in line with the rules, the old version of the node code is invalid, must be upgraded to the new version to carry out mining accounting, so the new and old nodes each go forward along their own chain, forming a new ETR fork chain.

In the long run, TTRs will be effective in making competitors redundant or unimportant; while competitive public chains foster innovation and ultimately demonstrate some exciting use cases, they may simply serve as a testing ground. Once the real use case is found, these functions will most likely be ported to ETR, implemented in the most secure network of ETR.

2.2 ETR Core Business Value

ETR adheres to the concept of deeply applying the concept of NFT+ metaverse to ecology, ETR will open a new era of value Internet with the support of core ecosystems such as NFT game system, metaverse game concept and ETR exchange. Benefiting from continuous development and innovation of technology, extensive commercial applications, and refined governance, ETR is competitive in the following areas:

Technology

ETR has a very mature and strong technical support, has accumulated rich industry and technical experience in blockchain, games, artificial intelligence, NFT, metaverse, VR/AR and other fields, and has made industry-leading breakthroughs in the development and application of blockchain underlying technology.

Industry Resources

The ETR team perfectly brings together senior people with many years of practical operational experience in many industries and profound insights into the development of the industry. And ETR will sign a strategic cooperation agreement with the top leaders in the target industry, which will provide strong support for ETR to enter the target industry, so as to truly promote the actual landing of ETR NFT+ metaverse game applications.

Business Governance

Unlike general game projects, ETR has a clear and clear strategic plan for the target industry, and continues to empower free, fair and high-value ecological prosperity in the model of autonomous communities. ETR is more focused and professional with the distributed decentralization, immutable and cryptographic security of blockchain technology and the value of peer-to-peer transmission to penetrate the target industry and quickly gain market share.

Fund management

ETR's fund management will be under the leadership of the ETR Ecological Development Foundation, strictly abide by the principles of fairness, justice and openness, and take the development of ETR as the primary purpose. The ETR Foundation for Ecological Development is dedicated to keeping and ensuring the safety and sustainability of funds. All use of ETR funds will be disclosed to all investors on a regular basis to ensure the openness of the use of funds.

Development space

ETR's target industry is a trillion-level integrated commercial market. The development team effectively manages matters such as general deliberations, code management, financial management, compensation management, and privileged operating scope through the development of a sound governance structure to ensure sustainable development.

In summary, with the support of core competitiveness, the commercialization logic of ETR is clear, based on the BSC framework system, each technical link and organization of ETR has a strong target and logic gene, and on this basis, many modular and modified technical solutions or mechanisms are proposed.

2.3 ETR Advantage

Ethereum Royalty aims to create a project ecological closed loop that meets the emotional demands of the current era, from content to the underlying construction of the contract, and the ultimate purpose of the project is unified with the needs of the times. At present, many mainstream public chains and ETC in the market lack competitiveness, mainly reflected in the fact that the product is single and the function is simple, which is inconsistent with the diversified needs of the 3.0 era of web3.0 and meta-universe. The main competitiveness of ETR after the FORK upgrade of etc-based network is reflected in the following points:

1）Lower Handling Fees
ETR can greatly reduce the amount of data for complex transactions, which can significantly reduce the cost of these complex transactions, especially the Lightning Network on the second floor. The reduction of fees is conducive to improving etching complex trading activities.

2）Privacy Enhance
ETR improves scalability and security, allows blocks to contain more transactions, reduces the amount of data on the chain, effectively improves scalability and enhances privacy.

3）Smart Contracts
In terms of smart contracts, ETR is more characteristic and intelligent than ETC, ETR has its own smart contract language created by itself, and for the first time proposed a code-made transaction and network consensus mechanism through mathematical proof to solve the current tricky network upgrade fork problem.

ETR has its own more complete smart contract language of its own creation. The formal verification technology introduced by the ETR project greatly reduces the vulnerabilities caused by the lack of programmer experience when writing smart contracts, thereby protecting user property from loss.

4）Secure Transactions
On the security aspect, ETR simplifies formal verification by establishing a real digital federation to manage itself. To create the ultimate, lightest and most tenacious peer-to-peer trading system, this technology mathematically ensures the accuracy of the transaction code and improves the security of smart contracts.

5）On-Chain Autonomous Solutions
ETR on-chain autonomous solution, which is a self-correcting blockchain network with Turing-complete smart contracts, is used to propose, select, test, and activate protocol upgrades by integrating a formal on-chain mechanism without the need for a hard fork to resolve and other behaviors.

ETR can also implement a self-evolving encrypted digital ledger, which is the unique advantage of ETR, which can absorb the good aspects of any kind of blockchain-based ledger, which implements various operations on the conventional blockchain in the form of simple functional modules。

6) Rich Ecological Application Scenarios

ETR takes the creation of web3.0-compliant, metaverstem user needs as the core goal, by building a series of events and activities, so that to build a new consumption scenario domain, the scenario covers meta-universe chain game, NFT trading platform, decentralized trading (DEX), DApp transmitter, reve-nue aggregator, players can create, play, share and trade, without any centralized control.

03

ETR Technical
Framework

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The consensus node on ETR can reach tens of thousands, which has the characteristics of mathematically proven safety, efficiency, and scalability. And to create ETR's unparalleled metaverse world, an underlying architecture that enables scalability, scalability, and composability is essential.

ETR has set up 2 development teams, one is responsible for on-chain game development, and one is responsible for the underlying architecture engineering. This chapter will describe how the underlying architecture of ETR supports the formation of the ETR ecosystem from the aspects of consensus mechanism, core technology stack and interaction mechanism.

3.1 POG Consensus Algorithm

Fundamentally, the basic function of blockchain is to solve the problem of consistency, that is, to solve the fault tolerance problem of state machine replication. State machine replication can be simply described as the consensus of all nodes on the transaction data of all users on the network. There are many nodes in a network, which are mainly divided into two types: honest nodes and error nodes.

The definition of blockchain consensus: 1) consistency: all honest nodes must have the same decision value; 2) termination: all honest nodes must complete the decision process within a limited time; 3) validity: the decision value must be the input value of one node.

To address consistency, one solution is the BFT protocol (Byzantine fault tolerance), often referred to as PBFT. Another solution is POW. Both PBF T and POW are networks that reach consensus in a decen-tralized, trustless, distributed environment. The main difference between the two is that the BFT protocol is a deterministic consensus algorithm that does not require waiting, while POW requ

Due to the high efficiency and low latency of the BFT protocol, ETR has revolutionized the traditional BFT algorithm, forming a POG consensus mechanism, based on PBFT, the POG algorithm can support tens of thousands of nodes to register and exit at any time. Through integration with external chains, it is possible to adapt to the different needs of alliance chains (which require large-scale throughput) and private chains.

The POG algorithm can be directly applied to DApp development and integrated with ETR to create a cross-chain and side-chain ecosystem. The PO G consensus algorithm is BFT-based and does not waste power and time mining the process. For blockchains with POW consensus (ETC Ethereum clas-sic), throughput is a key bottleneck for POW.

3.2 Core Technology Stack

The entire architecture of ETR will be divided into three phases. In the first stage, we will take the lead in implementing the POG consensus mechanism and building nodes around the world; in the second stage, we will quickly develop and launch the DMMOG module to promote the DApp development ecosystem; in the third stage, we will update the community governance protocol, voting mechanism, cheat punishment mechanism, etc.

Blockchain utilizes smart contracts to perform complex logical functions to form a computing platform that can provide applications to run. The on-chain development logic of all DApps is a smart contract, so the development and operation efficiency of smart contracts is the key to restricting the development of DApps.

In this regard, ETR uses the underlying technology of ETC public chain to write and execute smart contracts to achieve similar operational efficiency to native code. ETR can embed account freezing and smart contract replacement functions to handle emergencies (such as hacks, contract vulnerabilities, etc.). This way, incorrect behavior can be quickly fixed without the need for a fork.

To increase the throughput of the network, we implement parallel pipelines. In ETR, smart contract computing and cryptographic verification computation (asymmetric cryptographic signatures, etc.) can be parallelized, which maximizes multi-core utilization and gives full play to the computing power of the current network. Each independent set is computed in a multi-core thread,

Because the related transactions in the thread are executed sequentially, the parallel execution of transactions reduces the average computation time per contract. Sharding itself is a parallelized computation that improves throughput. Essentially, it is to cut a chain into several child chains, and parallel cross-chain transactions can be made between these child chains.

3.3 Multi-Chain Interaction

ETR is a public chain, but can still work with other chains. In order to implement the multi-chain architecture, ETR is divided into two parts, one part is based on ETC fork development, creating a sidechain system inside the ETR, and all sidechains can interact with each other in parallel.

Another part is that the entire public chain of ETR can interact with the external public chain, which will greatly promote the penetration and transfer of the ETR ecology to other public chain ecology.

On the implementation path, ETR abstracts the adapters of the communication protocol with other chains through smart contracts, and the communication protocol has an interface dedicated to token transfer and query. As long as the interface protocol requirements are met, the user can build a communication channel. This communication channel enables chain-to-chain communication transmission, allowing token holders to transact across chains. This will effectively reduce the threshold for users to enter the ETR, while attracting token holders from other chains to join the ETR ecosystem.

04

ETR Wallet
Payment System

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Relying on the ETR public chain ecosystem and etc public chain technology foundation, the ETR platform will develop a commercial–grade public chain that supports multi–chain wallet applications, with a decentralized centralized wallet ETR wallet, which can provide a seamless experience for each application on the platform and save their private keys to the cloud.

For the application field, ETR will create an open and comprehensive blockchain wallet payment ecosystem under the underlying technical support of the BSC public chain, provide different services and products for merchant users and individual users, and provide commercial platforms for merchant users, which can achieve one–click access to blockchain payment and cross–border payment solutions. For individual users, it will provide many functions customized for cryptocurrency users, such as mobile DAPP wallets, communication modules encrypted based on ETR algorithms, over–the–counter secured transactions, and ultra–fast transactions.

4.1 Payment Network

ETR will develop a "payment network", payment technology using timestamp transactions and 2–of–2 multi–signature technology and other mature technologies, the use of ETR payment network can achieve instant payment, instant arrival, and zero fees, so the use of ETR payment network to send ETC (or other encrypted digital currency) can be quickly arrived and zero commissions, To bring users a new payment experience, and unlike the centralized database technology to achieve the off–chain wallet, ETR payment network is decentralized, the user's assets are completely in the hands of the user, can be queried on the blockchain channel, will not be used by the platform, absolutely secure.

Compared with the high transfer absenteeism fee and extremely slow transfer time of ETR and ordinary digital wallets, the ETR payment network can realize zero handling fees and seconds of digital asset transfer between users and users.

• Private key and mnemonic

The mnemonic words in the ETR wallet are generally composed of 12, 15, 18, and 21 single times, these words are taken from a fixed thesaurus, and the generation order is also based on a certain algorithm, so there is no need for the user to worry about entering 12 words at random to generate an address. Mnemonics are unencrypted private keys, there is no security at all, and anyone who gets your mnemonics can easily take away your assets.

ETR wallet first generates a root private key, according to this private key can produce countless derived private keys, our account address is the address of the public key corresponding to these derived private keys after operation. The ETR wallet is run at the user terminal, and the resulting private key is saved on the user side.

• **Multi-signature**

Use N key to generate a multi-signature authentication address, which is needed, the key can use the assets on this address, N ≧ M, which is the M/N mode of multi-signature. The principle and basic framework are as follow

A. Multiple address signatures, multi-signature addresses are generated;
B. Each address can transfer money to the address;
C. If an address wants to transfer money from a multi-signature address, it needs to meet the signing conditions, and other addresses can see the one that needs to be signed
Transactions;
D. When the transaction meets the signing conditions, it can be sent successfully.

• **Asset Account Recovery**

The app recovery function is the ability to recover property lost due to the loss of a private key. Secondly, in this process, the user's asset security is also relatively guaranteed. The security of the account recovery function depends on the storage method of the two private keys, only need to store the private key of the main account through offline storage, and the private key of the standby account through online storage, so that you can resist the online hacker attack and the risk of offline loss and forgetting at the same time.

4.2 Core Values

• **For ordinary consumers**

It does not matter how many borders a transfer or payment in the ETR Global Payment System crosses. This will affect neither the speed of the transaction nor the cost of the transaction. There is no risk of leakage of data sent by consumers through the ETR global payment system, as this data does not fall into the hands of intermediaries during transmission. At ETR, you can use the ETR Global Payment System to make payments with just one smartphone.

• **For global cross-border commerce**

Sellers can deliver their goods and transact with consumers around the globe — no bank accounts, no waiting for cross-border transfers, and no high transaction fees. Bringing the ETR Global Payment System into an existing payment settlement system is easy and does not require a major investment in any type of commercial enterprise.

• **For banks and Liquidation Organization**

The ETR global payment system will solve their pain points from three aspects: first, the ETR global payment system can solve the problem of efficiency loss of the ecological chain of traditional banks and clearing institutions in the department call; second, the ETR global pay–ment system can solve the problems of high threshold, high cost, slow and inefficient customer expansion of traditional banks and clearing institutions; third, ETR A global payment system can eliminate the asymmetry of trust between different organizations in the banking and clearing house system.

05

Ecological Applications

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5.1 Digital Payers

ETR tokens pay lower fees, ETR does not belong to any institution, and the cost of payment is lower. When you pay with ETR, you can save a lot of money on the service costs incurred in payment. Payments are made to your account with a simple operation. Asset digitization, digital assets is a major trend in the future, asset digitization can reduce costs and reduce the waste of resources to a certain extent. The use of digital asset currencies will be able to effectively circulate in the future, solving more real-time dynamic data than digital currency cash.

In the upcoming meta-universe era, more financial services will be born in the payment application scenario, and based on the decentralized platform, it can serve individual financial institutions or institutions more efficiently.

5.2 ETR Wallet

ETR will combine the characteristics of existing wallets, that is, to create a new generation of wallet application functions, and provide users with more interactive features and better experience effects. ETR's unique digital currency assetization technology provides users with simple, fast, safe and efficient exchange and transaction services.

ETR Wallet provides an unprecedented overall solution for the blockchain ecosystem, online to offline, community to individual. Including: decentralized entertainment e-commerce, financial game scenarios, to provide better services for traditional enterprise empowerment, income generation, payment circulation, and finally to create a multi-functional wallet.

(1) Coin exchange
ETR through smart contracts and alliance network, to achieve risk-free digital currency transactions, users through ETR tokens for digital currency exchange, the creation of exchange smart contracts, by the contract mechanism to monitor and execute the exchange process, to avoid the participating parties in the transaction process default risk.

(2) Payment transactions
ETR wallet through the docking exchange API interface, to provide users with the best market price and simple operation experience, through the optimization of the screening mechanism, to the user the simplest buy and sell, users only need to enter the quantity, you can complete the transaction as convenient as in the e-commerce platform.

5.3 Metaverse GameFi

ETR will incubate the meta-universe chain tour, and focus on high-quality, high-fluid and delicate pictures as an advantage, providing users with a strong sense of substitution and excellent experience. Through 3D modeling, the architectural space is clear. Diverse city scenes provide players with more choices and rights.

ETR will shape the next generation of games based on the money-making effects of games and build an open metaverse for the global community. ETR offers users a variety of game scenarios: cosmic exploration, fighting and defending the earth, and spaces for social and economic development. The game relies on a closed economic system based on finite resource emissions.

It incorporates the "game as money" mode into all of its in-game items. This concept gives players ownership of all the items in the game and motivates them to play and progress in the game.

By combining blockchain + NFT + metaverses, as well as game mechanics and generous rewards, players can get the high rewards of blockchain games and enjoy themselves by surviving and creating games. As the game evolves, it will open up different levels and gameplay, providing players with different gaming experiences.

5.4 NFT Trading Platform

ETR NFT is integrated into ETR social media to meet the growing NFT-centric demand of the crypto community. In addition to the common NFT features, ETR NFT offers the following unique advantages:

● Crypto Artist NFT Exhibition Hall
The ETR NFT can be used as a personal NFT showroom showcasing the community's premium NFT collection.

● Social NFT Crypto Ecosystem
Connecting a decentralized wallet to the NFT marketplace opens up a range of social elements, including the option to share NFTs with ETR NFT social media to increase promotion and exposure.

● Programmable NFT
Each ETR account will be offered a customizable social NFT that serves as a biography on the ETR that resembles an avatar. NFTs can be customized by account activity for other projects and TTRs, such as number of followers, number of fragments, task completion rate, etc. In short, each programmable NFT represents the cryptographic identity of everyone in the ETR ecosystem.

5.5 Decentralized Trading Platform

ETR's decentralized trading platform does not store user funds and personal data on servers, but only serves as an infrastructure to match buyers and sellers who want to trade digital assets. Its advantages are:

● **No license: anyone, anywhere, can access and use without permission;**
● **Zero Trust: Based on smart contracts to get rid of third-party trust, transparent and secure;**
● **Censorship resistance: cryptocurrency-based value transfers that cannot be stopped;**
● **Uninterrupted: 7x24 uninterrupted, single-point operation.**

ETR can realize a fully decentralized future concept of the trading platform, can help customers simply and quickly set up a DEX, and provide some technical or operational support for the normal operation of a DEX, to help customers save technical costs or learning costs, so that it can play its core advantages. And the concept of co-construction, sharing and co-governance of the metacosmity introduced into the DEX field, pushed the DEX to a new era, and depicted a metacosm of crypto asset trading for crypto traders. This is the value and significance of ETR.

06

Team
Introduction

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Most of the core technology R&D team members of ETR come from international top blockchain projects and well-known Internet companies. Brings together the industry's best technical experts in various fields such as computer, information security, communications, mathematics, finance, web development and high-frequency algorithmic trading. At the same time, the team members have market and practical experience in DAPP development, DeFi, NFT, chain game, auction and other aspects, not only have strong technical capabilities, but also have excellent scientific research capabilities, and have achieved outstanding results in many fields.

Founder Joy Nguyen

Joy Nguyen born in January 26, 1980, California, Graduated from the University of Nevada, Las Vegas. Joy Nguyen not only founded ETR, Joy Nguyen is also a partner at Trueventures, a Silicon Valley-based venture capital firm focused on early-stage technology startups. Joy Nguyen is also a serial entrepreneur known for founding Digg and Revision3. He also founded the guided meditation app Oak and the tracking intermittent fasting app Zero.

Joy Nguyen is also an advisory board member of the Tony Hawke Foundation and Harlan Estate. Prior to joining ETR, he was a general partner at Google Ventures. Among others, he has boarded in Thec. Covers of Magazine, Bloomberg Businessweek and RedHerring. Joy Nguyen has been named "25 Angel Investors" by Bloomberg, "25 Internet Celebrities" by Forbes, "35 Innovators" by MIT, and "25 Most Influential Online People" by Time and BusinessWeek magazines. He has also appeared on the ABC Night News, the Jimmy Fallon show and the Charlie Ros

Joy Nguyen interviewed experts of all genres to learn how to reach the pinnacle of personal and professional performance while living a minimal and balanced life for his Podcasts, The Kevin Rose Show.

Director of Operations: Billy Bob Thornton

Billy Bob Thornton was born in 1983 in Portland, Oregon, USA, and graduated from Colorado State University。 For the past 18 years, Billy Bob Thornton has served as CEO and founder of three companies and a nonprofit community.

Billy Bob Thornton founded a nonprofit community, By Designers for Designers aka BD4D, a global community designed to unite, encourage, and inspire web designers and developers. BD4D events are held in London, Manchester, Edinburgh, Paris, Frankfurt, Tel Aviv, Sydney, New York, Atlanta, Los Angeles and Toronto.

DropSend was later founded as a web application designed to enable users to send large files. Before the advent of cloud providers such as AWS and Azure, they were the first to store and send terabytes of data over the Internet. DropSend was acquired in 2008.

He then founded Carsonified, which has held conferences and training workshops for thousands of web designers and developers in London, New York, Miami, Dublin and San Francisco. World–class speakers including Mark Zuckerberg, Gary Vaynerchuk, Kevin Rose, Ev Williams and others eventually attracted more than 2,000 attendees at the London conference, and Carsonified was acquired in 2011.

In 2011, Billy Bob Thornton founded Treehouse, an online technical school that has taught more than 600,000 students how to code. This enables students to land high–paying jobs in tech, creating hundreds of millions of dollars in generational wealth for their families. With an annual turnover of $8 million, Treehouse was acquired in December 2021. Billy Bob Thornton then joined ETR as Director of Operations.

Director of Product Design: Kacie Borrowman

Kacie Borrowman, Orlando, Florida, USA, graduated from the University of Central Florida. Kacie Borrowman is an illustrator, brand/graphic design, illustrator, UI/visual designer specializing in illustra–tion, digital art and UI/UX design. Companies he has worked with include Google, Twitter, Facebook, PayPal, Disney, Aol, Bloomberg, TimeInc, and MAZADA.

Chief Technical Director: Scott Bingley

Scott Bingley graduated from MIT with a degree in Computer Science and a Master's degree in Software Engineering from Boston University. Minored in Fine Arts and Visual Arts. Proficient in Objective–C and JAVA programming technology, with 15 years of software development experience, he has worked for Cisco and Motorola in the United States as a chief technical engineer, and participated in leading the architecture design and development of several major project system platforms. Led the members of his department to complete the prototype design of famous game characters.

07

Investment
Institutions

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ETR is not only receiving the help of many scientific research institutions in the development and creation, but also to obtain capital investment from many investment institutions. Among them, the main investment institutions are Arrington XRP Capital, Polychain Capital, Galaxy Digital, Bloccelerate VC, New Form Capital and many other first-line well-known crypto investment institutions.

They will support ETR in project development, professional guidance, incubation support, marketing. Ensure that development, networking and marketing challenges are overcome for ETR projects; address any issues related to ETR related to crowdfunding, institutional private placement, ETR ICO. As well as providing the opportunity to forge partnerships with the most popular crypto influencers and traders (KOL marketing services) to maximize their exposure for their promotions.

In terms of the support of background resources, ETR can be said to have received a lot of support, a good start, under the rational allocation of these resources, the future pace of ETR globalization will be relatively stable.

08

ETR Foundation

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Headquartered in the United States, the ETR Foundation will be an independent legal subject, fully responsible for the development and construction of ETR projects, team organization, development, promotion and operation.

All the funds raised by the ETR Foundation will be used for technology development, marketing, community building, financial auditing, business cooperation and other purposes closely related to the development of ETR projects. The Foundation is an independent organization that contributes to the healthy development of the ETR cause, with the following key responsibilities:

1. The development direction of ETR, regulatory objectives, research objectives and development objectives;

2. External supervision of the construction of ETR in accordance with these Rules;

3. Support ETR's research and development, development and selection of important partners;

4. Responsible for the development and motivation of the development team and related personnel, and participate in the supervision of rules, legal affairs and compliance.

5. ETR Foundation members serve as initial members of the executive team.

Token Economy

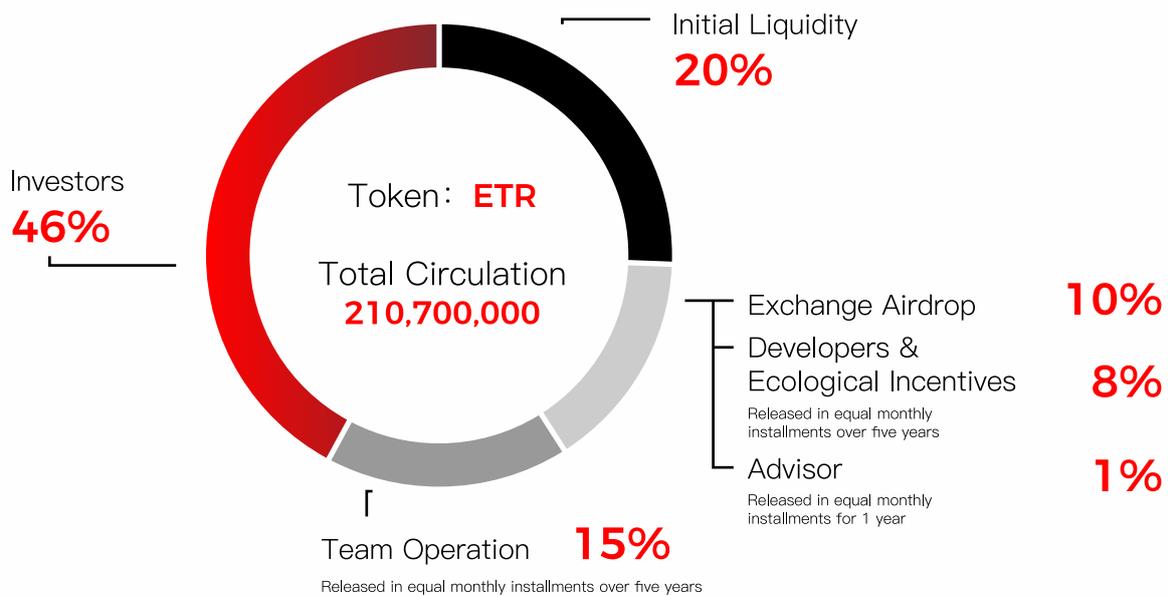Break Down Technological Boundaries | Reshape The Value System

In order to realize the value of Ethereum Royalty, let every user participate in the development of the platform, jointly build the Ethereum Royalty ecosystem, and obtain benefits. Each participant's meaningful contribution to the Ethereum Royalty platform should be recognized for its added value. When people are recognized for their meaningful contributions, they will continue to contribute to the platform, make their state systems grow stronger through ETR, and realize the value interconnection, user interoperability, and scene application interoperability value system of blockchain.

9.1 ETR Distribution

Token: ETR

Total Distribution: 210700000

Initial Liquidity
20%

Token: **ETR**

Total Circulation
210,700,000

Investors
46%

Exchange Airdrop **10%**

Developers &
Ecological Incentives **8%**
Released in equal monthly
installments over five years

Advisor **1%**
Released in equal monthly
installments for 1 year

Team Operation **15%**
Released in equal monthly installments over five years

9.2 ETR Taxation Mechanism

ETR purchases will be subject to a 10% tax, which will be used for market incentives, which are distributed as follows:

● 1st Generation Promotion Rewards: 2%

● 2nd Generation Promotion Rewards: 1.4%

● 3rd –8th Generation Promotion Rewards: 3.6%

● LP Dividends: 3%

9.3 Endless destruction of deflation models

ETR's innovative stepless destruction mode realizes 0.1% of the total daily destruction of ETR, continuous deflation model, tight market supply and demand, and endless value improvement!

At the same time, by adding ETR tokens to the liquid mining pool, the destruction can be avoided, creating a perpetual operation model, so that the liquid mining pool continues to obtain new funds.

10

Project Development
Route Planning

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The First Metaverse Commercial **Autonomous Ecological Public Chain**

The business scope of the ETR ecosystem covers global digital asset investment users, and independent transactions are set up in many countries and regions

The business or operation center is committed to gradually implementing the global mapping of the ETR main network and completing the docking and development of all-round applications. ETR business model synchronization market has been rapidly developed in a short period of time, the future ETR will still be steady and steady, truly achieve the application of the scene, ecological diversity and win-win, its development route planning is as foll

● **Q1 2022**: Project approval, planning ecology, foundation establishment, establishment of global partners, market research and products after user testing.

● **Q2 2022**: Project launch, branding, 1.0 product testing

● **Q3 2022**: Working with investment institutions, and more partners;

● **Q4 2022**: Open DAO voting autonomy, ecological products online

● **Q1-2 2023**: Iterative 2.0 ecological product application version, comprehensive ecological update, and pass product safety audit

● **Q3-4 2023**: Launch of the ETR Global Conference, as well as the ETR Ecological Incubation and Dark Horse Marathon Award Competition

● **Q1 2024**: Officially launched DAO autonomy, with community-led operation and development

11

Disclaimer

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This document is for informational purposes only, is for informational purposes only and does not constitute any advice, solicitation or solicitation of investment in the sale of shares or securities in the pseudochain or its related companies. Such invitations must be made in the form of confidential memorandums and must comply with applicable securities and other laws.

Any user participating in the ETR Public Sale Program and purchasing ETR is based on his own knowledge of ETR and the project and the information in this white paper, and the ETR team makes no commitment to Token value additions and is not responsible for the consequences of the change in value. The appreciation of Token (ETR) depends on the market pricing law and the demand after the implementation of the project, and in extreme cases or due to force majeure factors, there may be value fluctuations. People who don't use ETR Token correctly risk losing their right to use tokens, and may even lose their tokens. We are committed to doing everything possible to ensure the security of our users' assets and transactions.

The ETR platform clearly communicates the possible risks to the participants, and once the participant participates in the ETR public offering, it means that it has confirmed that it understands and recognizes the terms and conditions in the rules, accepts the potential risks of the platform, and bears the consequences.