



POTATO BLOCKCHAIN

Next Generation Web3.0 Social Platform

White paper V 1.0

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Introduction

The value of social connection cannot be replaced regardless of which stage the human society is in. This is decided by the social and natural attributes of human society. At present, the social value brought by online social software hasn't reached its fullest, and this is exactly POTATO is working on.

Since the founding in 2016, POTATO has rapidly grown into one of the most popular social software around the globe. The users of POTATO mainly come from the Europe, the US, Japan, Korea, India, Thailand, Malaysia, Indonesia, Vietnam, and Philippines. Currently, there are 100 million registered users, among which over 10 million, are active users on the platform and 500,000 of them are active users of the built-in crypto-currency wallet.

The integration of POTATO and blockchain technology is not to blindly follow the trend or to just seek for the support from capital market. Instead, we have realized that: the development of traditional web.2.0 social network has reached its limits and cannot bring people value any more. On the contrary, it has led to many problems. With the support of Web 3.0 technology, POTATO has become an open and democratic "smart portal". POTATO is more than a chatting App where user privacy is 100% guaranteed, but a social service center that links the needs of most users at the same time. Users can easily locate the information, services, and brands they need here.

Introduction

POTATO also shows its professional capacity in the area of financial technology and promotes a series of financial innovation services, which is beneficial for the development of banking, securities, payment/settlement industries. More importantly, POTATO Blockchain Network has been integrated into POTATO to improve POTATO's token economy. The token of POTATO Blockchain Network, POT, has been seamlessly embedded into all services provided by POTATO, for global users to access and use during daily life. The wide application of POT will bring all users the right of participation, earning, and the ownership of data, which will lead to the result that: all participants of POTATO ecology will jointly share the values created by POTATO social network. Stimulated by this mechanism, the value of such decentralized social application will reach a brand-new height for its users.

To put it simply, POTATO is focusing on POT and establishing a service-oriented blockchain ecology system with a reliable and open operation environment. Everyone can access and use POTATO's services in a convenient and safe manner and together with our users, we will gain more progress.

Problem overview

The emergence of mobile network has connected billions of people around the globe through a giant network, in which, just one mobile phone is enough to get them convenient services at rather low costs. Such accessible global network has gained faster development for financial ecosystem, and the number of users of financial services kept increasing. However, the complex requirements and threshold for traditional financial services have made a large number of people away from financial services. At present, 1.7 billion adults in the world have had no access to financial system, thus could not enjoy the services provided by traditional financial institutions. Among them, over 1 billion are mobile phone users, and more than 500 million of them can access the Internet. It has been thousands of years since the development of financial industry. However, from many perspectives, the concepts of traditional finance are still quite lagged-behind. The Matthew Effect is typical in the financial system – which means the people with fewer funds always have to pay more for financial services. Procedure fees are charged in various forms and under various names, making people who are not rich enough at the first place reluctant to get closer to traditional financial services. Many of them even haven't set up bank accounts till today. If we take a look at areas outside finance and turn to the industry where monopoly is even more serious than finance – social network, it is difficult not to notice that there are more problems. The oligarchs of social network have monopolized the right of speaking and earning. The contents displayed to the users are determined based on the advertising income of the oligarchs rather than the public benefits. The “person in power” completely shut down the access paths to the data

Problem overview

and rapidly copied the innovative products in the market. By leveraging the competitive edges gained from data barrier, product innovation and fairness in competition are ruined.

From the common features of the two, it is not hard to notice that the root of the problem lies in the monopoly and centralization of Web2.0 structure. The disturbing matter is that the shortcomings of such centralized structure are gradually manifesting themselves to the crypto currency field, which is famous for decentralization. In current crypto currency field, the ecological system is dominated by the investors. The companies and foundations behind relevant crypto currency projects often focus on attracting as much investments as possible to guarantee the tokens can be provided in a way to maximize the earnings of the investors. On this basis, the project teams have to spend much effort on creating the news that the projects can get investors profits, but not on the necessary development and maintenance of products. Whether a project is successful or not is not determined by its reputation among the users or the convenience of its services, instead, the price of the token and the market value became the standard for judgment. Due to these problems, the people who have made the greatest contribution using tokens and dapp ecosystems are marginalized, and the ideal that the tokens could become a significantly-developed technology in real life is just a good wish.

Problem overview

The current Internet infrastructure relies on highly centralized system and the Web 2.0 physically handled all the data and control. Many problems occurred in this mode, and many people who have the financial needs are isolated and separated from the financial system. Plus, there is the centralized and monopolized content value of social platforms, as well as the crypto currency ecosystem that focuses only on the needs of investors. All these have guided the token economy to a wrong way against its original goal.

vision and Decentralized power

From the first day of its birth, POTATO has established the goal of complete decentralization. In order to ensure that this goal can be maintained in the future development, we have designed a perfect community reward mechanism, so that the data ownership of the platform is controlled by the node operator. In the hands, developers never have to worry about losing access to data and API. However, the data of traditional social platforms is completely in the hands of a few people who build a moat to maintain a monopoly.

In order to ensure that POTATO's decentralized system is not affected by the traditional centralized company structure, our original development team has always remained anonymous, not considering the establishment of any form of company, and there is no CEO or other leadership positions. We hope that the development direction of the platform is determined by all Community members decided to distribute all the platform's earnings to POT token holders

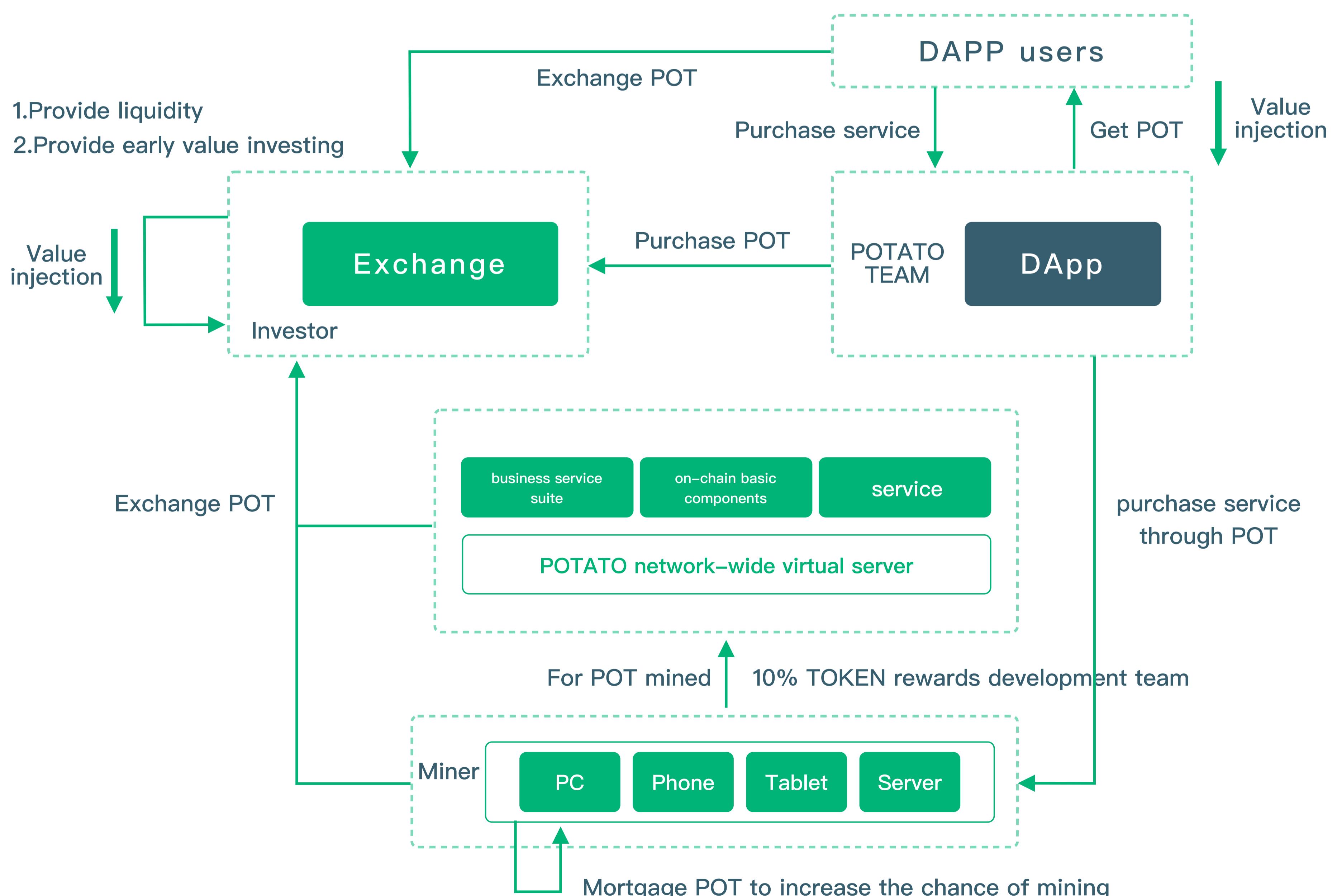
vision and Decentralized power

We hope that with the help of the community, Build the POTATO blockchain into a more open and democratic Internet, The original nature of the Internet is decentralized, but the desire and greed of certain individuals led it to a wrong direction. Monopoly and encapsulated status makes innovation extremely difficult. However, we firmly believe that things will go back on the direction of long-term and even eternal decentralization. Web 3.0 is exactly the de-centralized solution to address these problems. By using the point-to-point network of blockchain, it manages to create a more open and democratic Internet. Web 3.0 can make it possible for a new generation of safer, anti-audit, and fair application through its scattered infrastructure, to offer more flexible financial services, more open social connections, and healthier token economy. Let everyone be free to create, exert their greatest potential, jointly create a new generation of applications, and build a new Internet world.

POTATO Token Economy

POTATO Blockchain Ecosystem Principles

The launch of POTATO blockchain aims at establishing the blockchain platform and token economy truly favored, preferred and accessible by ordinary people around the globe in their daily lives. But to gain the recognition of the mainstream, we need to overcome the above three problems: the fact that individuals who are isolated from the financial system cannot set up accounts, the de-centralization of the content value of social platforms, and the investor-oriented ecosystem for crypto currency. This is why POTATO Blockchain defined the following principles to solve these issues and established a blockchain-based ecosystem that everyone can visit.



POTATO Token Economy



Motivate those who contribute to the ecosystem

Motivate those value creators in the POTATO blockchain ecosystem



Balanced economic model

Establish de-centralized ecosystem and balanced economic model using POTATO



Lower the user threshold

Lower the user threshold and customize a convenient ecosystem for all, regardless of the knowledge reserve of users

POTATO Token Economy

Motivate the Contributors

In the past, the focus of the Internet industry was to provide services. Later, the online advertising leads to free services, which fundamentally changed the technological concepts of the users. But now, with the help of blockchain technology and crypto currency, a brand-new ecosystem upgrade is coming — on the basis of free services, the contributors can get direct rewards by participating. POTATO blockchain aims at motivating the contributors to create value in the ecosystem and gaining profit growth together with the users guided by the co-sharing concept.

Balanced Economy Mode

POT will act as the main platform for token and ecosystem of our dApp and the scale impact will be created through the integration of two economic systems. Before natural demand is formed in the ecosystem, the risk that POT might suffer from unstable inflation is low. The contribution made by the participants would drive the growth of POTATO blockchain ecosystem. As the supply and demand of the ecosystem and the users grow, the offer and consumption of POT will increase accordingly, in which way the whole economic model can be balanced.

Lower the User Threshold

We plan to provide an open-source technological platform and toolkit for dApp developers, so that they can customize as they like. POTATO blockchain puts the users as the priority and creates seamless and accessible services, which means it is applicable for both professionals and beginners.

POTATO Token Economy

DAPP Ecosystem

DApp is the key for POT to circulate and develop in POTATO blockchain ecosystem and their growth is the main driver for the whole ecosystem. With the goal of bringing more benefits to the ecosystem overall, POTATO blockchain ecosystem attracts more dApp projects through the following schemes.

DAPP Rewards

POT will be provided for the participants of the ecosystem as rewards to promote the POTATO token economy and create application scenarios of POT. During the early stage, dapp can be internally developed by POTATO, or by third parties, and the community can vote for their preferences.

DAPP Support Plans

To further explore the POTATO Blockchain dApp ecosystem, POTATO community will provide support plans. Specifically, it will choose the potential developers to make a contribution for the POTATO blockchain platform and promote the user of POT. The plans may include financial assistance, technological assistance for developers, and the advice on token economy, etc.

POTATO Token Economy

business model

For POTATO platform, the revenue and profits of POTATO mainly comes from the following:

Content	Payment for music, videos, cloud disk, webtoons, and fiction
Commerce	Payment for products/ services, discount benefits, and payback
social	In-app payment systems and wire transfers between individuals
gaming	Games, e-commerce, Potato pay, NFT marketplace, watching advertisements, Chatting and earning.
Wallet	Payment of commissions, fee discounts, and digital token social

POTATO Distribution: Contribution Mining

Chat To Earn

Potato launched a platform to earn money while chatting. Rewards will be based on the user's level, higher levels = greater rewards, vice versa. The user's levels will be based on factors such as the user's "active days", "referral", and "chat activity". In the platform, users can obtain POT tokens in various ways, including but not limited to games, e-commerce, Potato pay, NFT marketplace, watching advertisements, chatting and earning, etc. Potato is not just a social platform, but also a WEB3 social platform where users can chat and earn.

POTATO Token Economy

Level Up Requirements

Unit of Measurement	Active Days
Active User Defined	Online >= 6hours/day
Grade calculation formula	$D=N^2+4*N$ (Grade is N, in number of days)
Days required per level	$D=2\times N+5$ (D = no. of days, N = current level)
No. of Dividend Tokens available to participate	Dividend Tokens = $(N^2+4*N)*100$ (N= level)

Rules and Rewards

Rules and Rewards

Level	Active Days Required	online time/hours	Accelerator (Person)	VIP(2X)/HOURS	VIP(10X)/HOURS	No. of Dividend Tokens	Dividend Multiplier
1	5	30	1	15	3	166	0.1
2	32	192	7	96	19.2	1066	0.1
3	96	576	20	288	57.6	3200	0.1
4	192	1152	39	576	115.2	6400	0.1
5	320	1920	64	960	192	10666	1
6	1152	6912	231	3456	691.2	38400	2
7	2496	14976	500	7488	1497.6	83200	3
8	4352	26112	871	13056	2611.2	145066	4
9	16896	101376	3380	50688	10137.6	563200	8
10	66560	399360	13312	199680	39936	2218666	16

C2E Halving Schedule

C2E Rewards Every year on January 1st, the distribution of Potato will be halved, for example, starting from January 1st, 2023, the daily distribution of Potato will be:

456,620 POT tokens per day from January 1, 2023 to January 1, 2024;

228,310 POT tokens per day from January 1, 2024 to January 1, 2025;

114,154 POT tokens per day from January 1, 2025 to January 1, 2026;

.....

Token System

POT(Potato Token)

What is POT?

POT is a digital utility token of the Potato ecosystem. It is mainly used as a medium of exchange between participants in the platform ecosystem. The main purpose of Potato is to encourage the interaction of participants in the ecosystem to provide a convenient and secure payment method.

POT Applications

Supply	The total supply of Potato is about 1,000,000,000.
Payment Applications	Digital goods, in-game items, advertisements, open marketplace.
User Incentives	Games, e-commerce, Potato pay, NFT marketplace, watching advertisements, chatting and earning.
Governance Rights	Through voting, the Potato community allows Potato holders to participate in major business decisions of the platform, and provides rewards for members who actively participate in the community ecology and contribute.

Distribution plans

Distribution Proportion	Quantities	Distribution Plans
30%	300 million	Private Offerings
30%	300 million	Owned by founding team members during the early stage
40%	400 million	Offer rewards for the community supporters, resource providers, C2E, ecosystem contributors who participate in the investment governance

POTATO Token Economy

Burning Values

POT can be used to pay for all kinds of services on the platform, including but not limited to:

1. Games
2. Payment for digital products
3. Advertising revenue
4. E-commerce
5. Open platforms
6. Brand revenue
7. VIP membership
8. Brand revenue

Buyback Mechanism

Every quarter, the platform will use 20% of the net profits to buyback the POT currencies, which would be destroyed directly. To ensure honesty and transparency, the buyback records will be published immediately and the

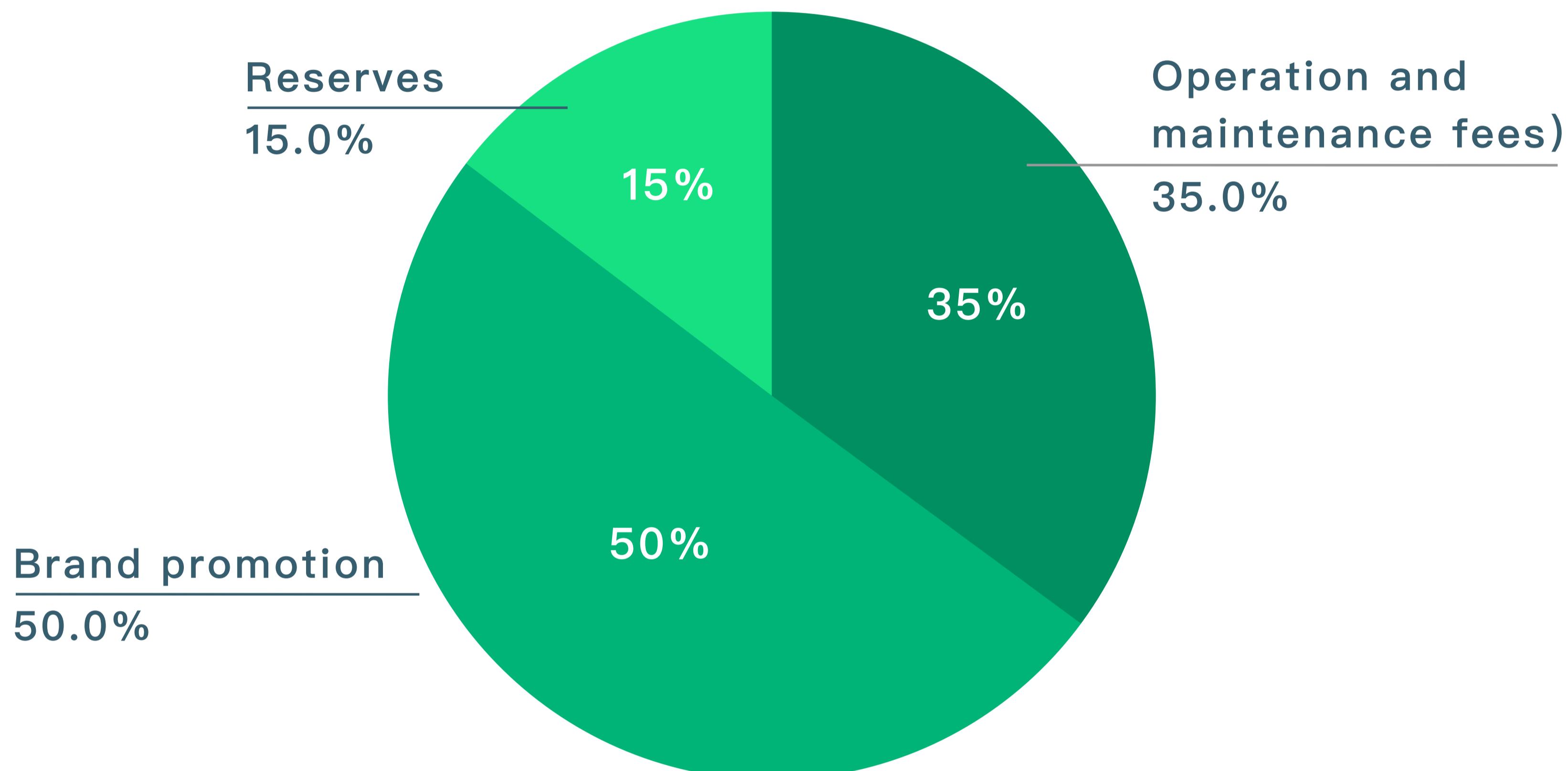
Governance:

The specific distribution is determined by the POT stakers. The higher the membership level, the more voting dividends.

Vote (Level)	Token Rewards	Lock-in Period	Weight
5	20%	1 Month	1
6	30%	3 Months	5
7	40%	6 Months	10
8	60%	1 Year	20
9	80%	2 Years	40
10	100%	3 Years	80

POTATO Token Economy

Fund Use Schemes

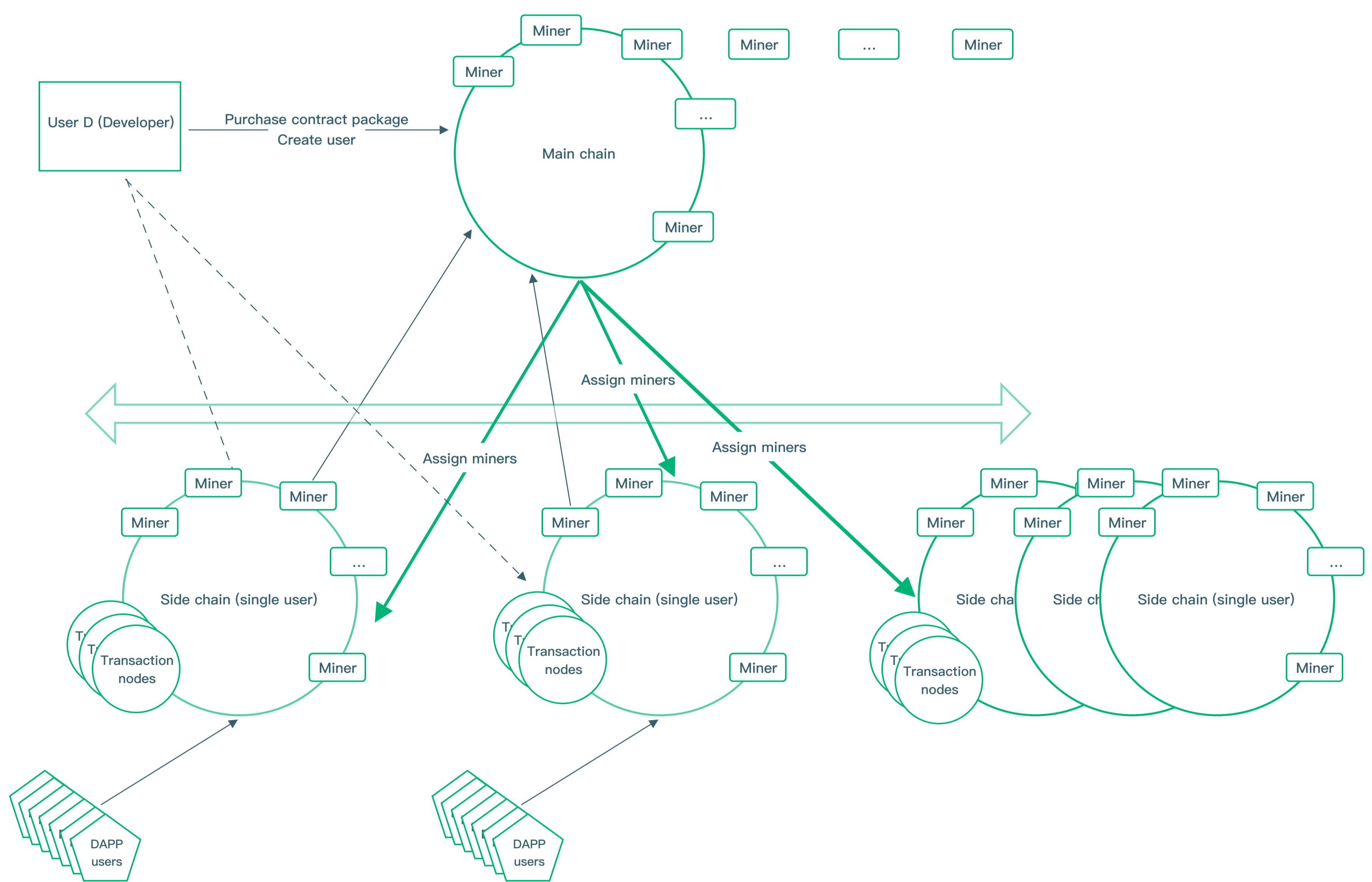


- 30% of the funds collected for this project will be used for the development of the platform and the system maintenance, for example to provide rewards or R&D funds for team members, etc.
- 50% will be used for brand building, operation and promotion, including advertising targeting traditional industries, blockchain industries and on different platforms, providing funds for various marketing activities, making sure the platform can earn recognition rapidly, and quickly accumulating more users, etc.
- 20% will be used as the reserve and emergency funds of the platform just in case.

Technology

Technology

POTATO blockchain ecosystem is built on the POTATO blockchain network. The development of the ecosystem is determined by the corresponding blockchain infrastructure. Our goal is to make POTATO blockchain ecosystem a part of users' daily life. Specifically, we plan to advance our technological application in the following areas:



Technology

Scalability

Infinitely scalable main chain and side chain architecture: The creation and destruction of side chains are completely based on parent business requirements and can be performed dynamically. Complete computing and storage isolation between side chains is achieved, so the whole-network transaction capacity can be expanded horizontally without limitation. It is the essential technology of POTATO to achieve high performance at a low cost.

Sharding

In terms of the sharding technology, since each shard is composed of only $1/n$ nodes of the main network (n is the number of shards), it is poorly secured and vulnerable to attack, which imposes an enormous challenge for the technology. Thanks to the random scheduling mechanism of nodes invented and implemented by POTATO, the security is improved substantially, as the nodes that constitute each shard are dynamically formed and the nodes among shards are randomly transferred and scheduled across shards.

Cross–Chain Mechanism

POTATO's cross-chain protocol between the main and side chains within a system realizes the mutual support of the main and side chains as light clients and the inter-chain communication based on committee voting. Moreover, it ensures the security of cross-chain communication by making slight clients safe under the PoS agreement for the first time.

Technology

Core Advantages

The application of P2P data fragmentation storage and separation-synthesis transmission communication technology, combined with the RPOS consensus algorithm; effectively improve the efficiency of data synchronization and generation of legal data, and truly have the ability to achieve millions of data processing in a purely decentralized environment.

Safe

User data is more secure by comprehensive use of cryptography, mimic defense and other network security technologies, from computing.

data storage

It is stored on each node in a fragmented and distributed manner, and the data is encrypted, and the data is restored through the file synthesis algo.

Data Transmission

P2P mode selection, flooding search and random forwarding mechanism(TTL transponder), through port multiplexing to achieve one-to-many connection, so that the connection and transmission efficiency among blocks are higher and more stable.

Technology

RPOS Consensus Algorithm (Select Proof of Stake)

To generate each legal data, the true random number algorithm is used to extract the voting representatives to prove the legality of the data; because each of the data generated by the voting representatives will not be repeated, so the security of the blockchain system and the authority of the data are guaranteed. plus a small number of nodes for each vote, it can also greatly improve the efficiency of reaching data consensus, thus achieving the goal of high concurrent operation.

Personal Customized smart contracts

Different personalized application contracts are designed for each different application scenario, and the data modeling method is applied to establish a universal model to meet the creation of smart contracts for different application scenarios.

Technology

Usability

The existing blockchain ecosystem is often developer-centric and technology-driven, resulting in a poor experience for blockchain users. Actually, even developers complain that it is hard to find the required documentation and tools. POTATO Blockchain Developers enable us to build a platform where both users and dApp developers can enjoy a great experience.

Overview

POTATO Blockchain Developers is an open-source toolkit for dApp developers to facilitate the interaction of dApps with the POTATO blockchain network, providing a suite of utilities to help developers maintain smart contracts, wallet management, and block browsers. POTATO blockchain developers also aim at improving the security of dApps and POTATO blockchains by virtue of the security technologies of POTATO. Furthermore, it helps to minimize the effort required for the development and operation of dApps, allowing dApp developers to focus more on improving the user experience rather than finding solutions to technical problems, which can be interpreted as the improvement of service quality.

User Beneficial

Based on the POTATO Blockchain Developers, dApps in the POTATO blockchain ecosystem are designed to provide user experience at the same level as traditional web/app services – so that users won't realize

Technology

that these dApp services are provided on the blockchain network. Furthermore, POTATO Blockchain Developers manage users' wallets by matching individual wallets with corresponding POTATO accounts, making it unnecessary for users to manage their private keys when using POTATO Blockchain Developers-based dApps.

Developer Beneficial

POTATO Blockchain makes it easy for DAPP developers to experience the POTATO Blockchain ecosystem. In addition to POTATO Blockchain Developers, open-source technology development documentation support is also available, including topics related to the development of dApps on the POTATO blockchain and application scenarios, providing developers with a better experience than the existing blockchain platforms.

Token Economy Beneficial

DAPP developers can easily embrace the token economy through the functions provided by POTATO Blockchain Developers and effectively manage the token economy model with the web analysis tool of POTATO Blockchain Developers, which can be used to monitor various indicators centrally, including transaction trends and token distribution status. In addition, developers can get expert advice on their DApp token structure and awarding policies to design and operate a balanced system of the token economy.

Technology

Usability

Ethereum EVM Compatibility

POTATO is fully compatible with Solidity language and pooled verification model that enhances network security by means of random node assignment and frequent node rotation. These smart contracts control network functions such as chain creation, validator registration, node selection, node rotation, pledge, bounty payment, confiscation, etc. The combination of compatibility and connectivity with the Ethereum mainnet enhances POTATO's effectiveness as a high-throughput executor for Dapp developers, protocol designers, and other crypto-based builders.

Solidity Support

POTATO users do not need to learn a new language as Solidity, an object-oriented advanced language for implementing smart contracts, serves as its contract language. Influenced by C++, Python, and JavaScript, the language is designed for the Ethereum Virtual Machine (EVM).

Developer Tools Support

The commonality with other Ethereum developer tools is also involved in the support for POTATO and EVM, as developers are allowed to use the same tools they use on the Ethereum mainnet, including connecting to the network via web3.js and web3.py and using tools like Truffle and Remix.

Technology

Usability

Token Support

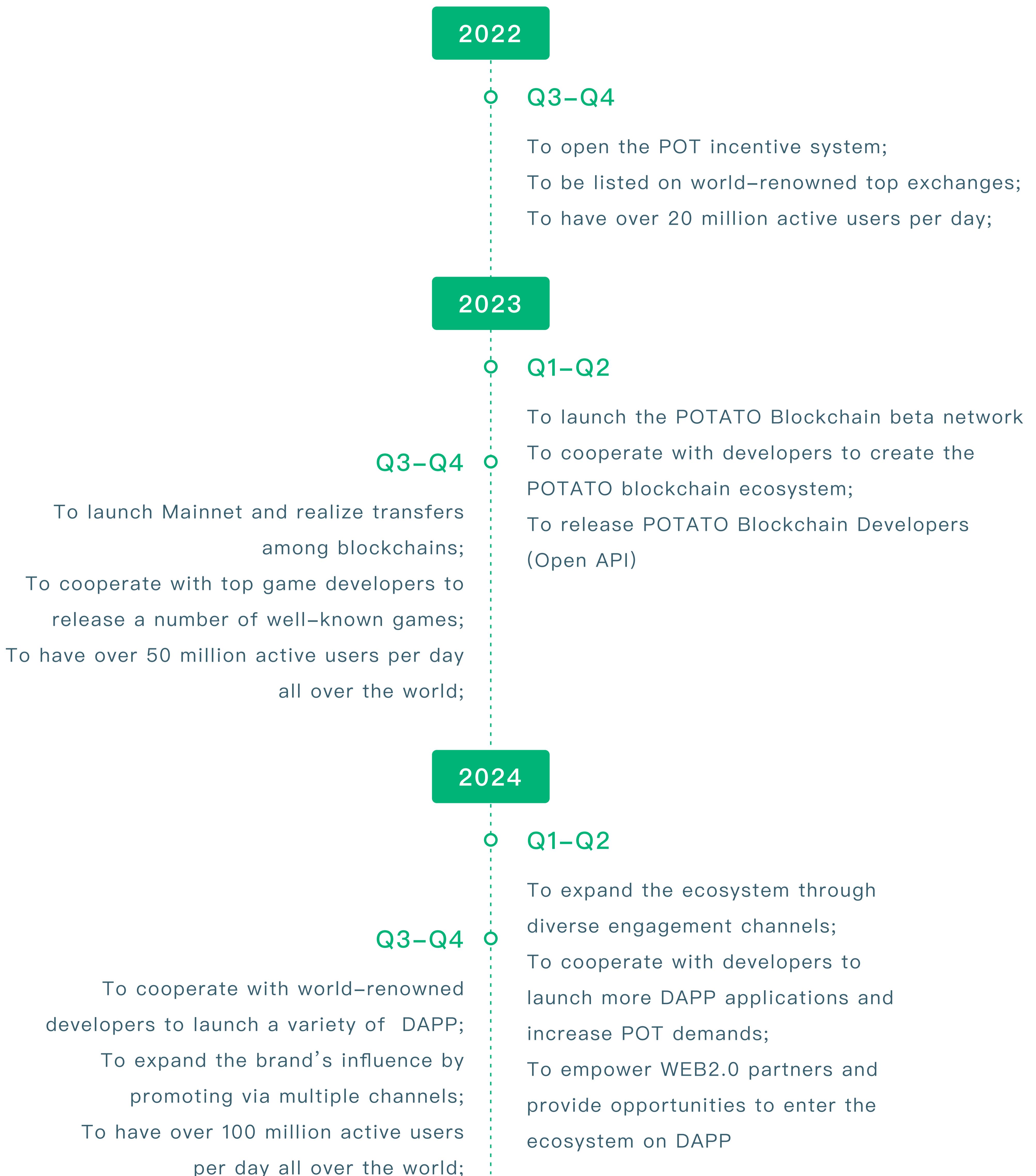
POTATO supports all major Ethereum token standards, including ETH, ERC20, ERC721 and ERC1155, and Dai. Interchain messaging along with deposit boxes and token cloning ensure the integrity and fidelity of POTATO Network token operations.

Wallet Support

POTATO supports a great variety of major encrypted wallets, browser plugins and bridges, including Bitski, Magic, Metamask, Portis, Torus, etc. These interface components are well-received and popular among developers.

We also plan to create more opportunities for developers to give play to their talents on the POTATO blockchain, which also provides a smart contract system for updating or modifying some of the smart contracts. The system allows DApp developers to manage smart contracts at ease and provides various tokens such as non-fungible tokens (NFT) with standardized interfaces to improve portability.

Roadmap



Risk warning

You acknowledge and agree to purchase POTATO Token and there are many risks associated with holding and using POTATO Token; and probably the worst case is the loss of some or all of the purchased POTATO Token.

Uncertain Regulations and Enforcements

The regulatory status of POTATO Token and distributed ledger technology in many jurisdictions is unclear or unresolved. The regulation of crypto currency has become the main goal of global compliance regulation. Currently, it is impossible to predict how, when, or whether to apply existing regulations or develop new regulations for such technologies and their applications, including POTATO Token and POTATO social platforms. Regulatory behavior may have a negative impact on the POTATO Token and POTATO social platforms in a variety of ways. The Foundation (or its affiliates) may cease to operate in a jurisdiction if changes in regulatory actions or laws and regulations make it illegal to operate in such jurisdictions, or if they do not obtain regulatory approval for operations. In this case, the Foundation will take a cautious approach to selling POTATO Tokens by consulting a wide range of legal counsel and continuing to analyze the development and legal structure of crypto currency. Therefore, the Foundation may continually adjust its sales strategy to avoid relevant legal risks as much as possible.

Inadequate information disclosure

As for now, the POTATO social platform is still in its development stage; and its design, algorithms, code and other technical details and parameters

Risk Warning

This white paper may be updated and modified frequently. Although this white paper contains the latest information about the POTATO social platform, it is not yet complete and may still be adjusted and updated from time to time by the POTATO social Platform team. The POTATO social platform team has no obligation to inform POTATO Token holders of every detail (including development progress and expected milestones) of the platform project, so insufficient information disclosure is inevitable and reasonable.

Competitor

Various cryptocurrency exchanges have risen up rapidly and competition has become increasingly fierce. A competitor may establish a business that is the same or similar to that of the POTATO social platform and try to recreate a similar service. The POTATO social platform may need to compete with these alternatives, which may have a negative impact on the POTATO Token or POTATO social platform.

Talent Loss

The development of the POTATO social platform depends on the sincere cooperation of the existing technical team and expert consultants; they are very excellent and experienced in their respective fields. The loss of any member may adversely affect the POTATO social platform or its future development. In addition, the stability and cohesion within the team is critical to the overall development of the POTATO social platform. Conflicts within the team or the departure of core personnel may occur, which may have a negative impact on future projects.

Risk Warning

Development Frustrated

The development of the POTATO social platform may not be completed as originally planned for some reasons, including but not limited to the price drops of any digital assets, crypto currency or POTATO Token, unforeseen technical difficulties and short of development funds.

Security Vulnerability

Hackers or other malicious groups and organizations may attempt to interfere with the POTATO Token/POTATO social platform in a variety of ways, including but not limited to malware attacks, denial of service attacks, consensus-based attacks, Sybil attacks, smurfing, and spoofing. In addition, third-party or Foundation members or their affiliates may intentionally or unintentionally introduce weaknesses into the core infrastructure of the POTATO Token or POTATO social platform, which may have a negative impact on POTATO Token or creebe social platform. In addition, the future of cryptography and security innovation is highly unpredictable, and advances in cryptography or technology (including but not limited to the development of quantum computing) may bring ineffective password consensus mechanisms to POTATO Token and POTATO social platforms to support the blockchain protocol.

Other Risks

The potential risks briefly mentioned above are not exhaustive. Other risks related to your purchase, holding and use of POTATO Token are unpredictable and may have unexpected changes or combinations of these risks. You should conduct a thorough due diligence on the Foundation, its affiliates, and the POTATO social Platform team; and understand the overall framework, mission, and vision of POTATO social Platform before purchasing POTATO Token.

Disclaimer

This white paper is for informational purposes only, and therefore, the statements herein are not to be relied upon, without any representation or warranty (whether expressed or implied) and bear no responsibility and consequences arising out of any of the information contained in this white paper. In particular, the "timetable" proposed in this white paper may change, which means that POTATO is not subject to any future performance, returns and constraints, and the implementation and actual results of POTATO platform may not be the same as those presented in this white paper. No regulatory body reviews or approves any of the information listed in this white paper. Therefore, no action is taken or will be taken under the laws, regulatory requirements or rules of any jurisdiction. The publication, distribution or dissemination of this white paper does not imply compliance with applicable laws, regulatory requirements or rules.

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