



WHITE PAPER

RESHAPE
THE WORLD'S
FAIRNESS AND JUSTICE

"THERE IS NO CENTRALIZATION,
ONLY UNPRECEDENTED FREEDOM"



BZ
P R O T O C O L



THE TIMES 03/JAN/2009 CHANCELLOR ON BRINK OF SECOND BAILOUT FOR BANKS

—— BITCOIN ——

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BZ FOREWORD

1

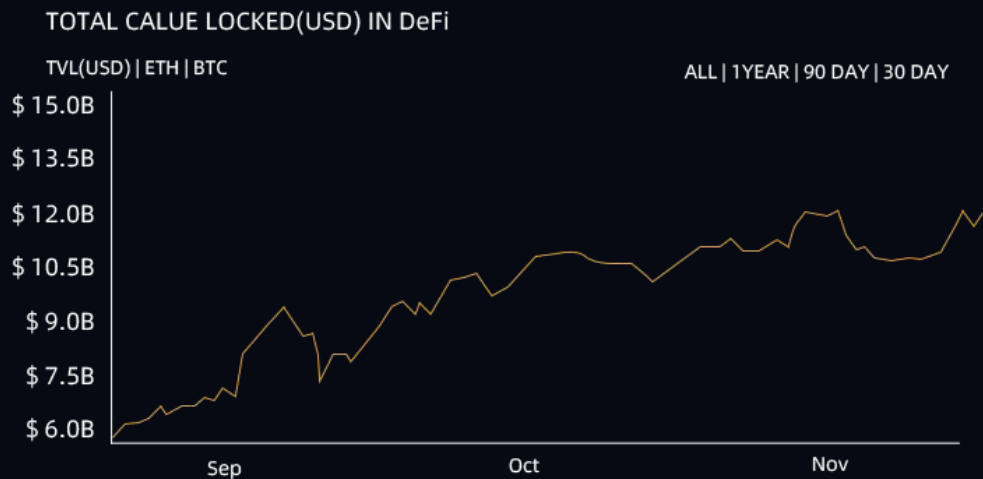


Foreword

As an ancient and traditional industry, the financial industry plays an important role in the stable development of the country and society. It is certain that the development of society and national organizations cannot be separated from the vigorous financial industry.

A well-developed financial industry drives the overall economic development and progress. The prosperity and development of the financial industry has injected blood and soul into the country and society. The industry structure has been upgraded and combined with traditional industries to empower and help the development of traditional industries. It is an important research direction for the development of today's society. At the same time, blockchain technology and digital currency have gradually entered people's sights, and with their novel technologies and concepts, they have aroused the crazy pursuit of capital and users. In the long run, blockchain technology will perfectly fit the current trend of financial system reform and solve the current irreconcilable class contradictions.

In 2021, the epidemic will hit the global financial market, and the crisis will further expand. In this year, we have witnessed countless difficult histories. How did the Fed and central banks face the crisis? Through the unlimited over-issuing currency system, interest rate cuts and RRR cuts have greatly stimulated the market, the rapid depreciation of the currency, and the wealth is easily deprived of wealth by the centralized system. The only thing we can do is to obey.



At the same time, this year, the DeFi market ushered in explosive growth, and the locked-in value of DeFi as an indicator to guide market liquidity has been soaring all the way. On August 19, the locked-in value of DeFi reached a record high of 6.38 billion US dollars. However, the current scale of DeFi is still less than 1% of the scale of the traditional financial market, and it has huge development potential. The power of DeFi and the traditional financial market will gradually merge, bringing more capital to DeFi, and at the same time bringing more regulatory transparency and market flexibility. At this point, we are standing at the starting point of the DeFi explosion and facing the great future of the DeFi world.

The future financial world will definitely abandon the constraints of centralization and benefit everyone.

BZ PROTOCOL VISION

2



Vision

■ Fallen

When the fragile centralized finance experiences the attack of financial
Crisis again and again

Our wealth

It will die out in the disaster

But it will be reborn

On the 10th anniversary of Nakamoto's disappearance

We want BZ Protocol to make people aware of it

The significance of decentralized consensus

And the value of privacy and freedom

It will connect more people

Become the real starting point of human civilization

Born for the freedom of all human wealth

In a decentralized way

Reshaping the entire financial and business ecology

It will change the way wealth is created

It will also change today's business landscape

Wealth will be redistributed according to the consensus of mankind

Change the unknown future with sincerity and love

It's more about ourselves

If you want to ask who we are

I'll tell you that we are all Nakamoto

Because everyone is Nakamoto

If you don't believe it

Or don't understand it

I'm sorry I don't have time to convince you

.....

■ BZ Protocol —Themis of justice

Since human civilization entered the accelerated development track, the gap between the rich and the poor has always accompanied the development of the world economy, causing most people to carry forward with heavy burdens. Entering the 21st century, the top 10% of the society has more than 75% of the assets, and huge wealth continues to flow into the hands of a very few people. This is an extremely painful reality for people other than the rich. The disparity between the rich and the poor will lead to The social and social trust system is more fragile, and class conflicts are intensified, which is the cancer of civilization that keeps spreading.

The advent of blockchain technology has rekindled our hopes for a fair world. The blockchain is the flower of God that is loyal to the principles of mathematics. It transcends the moral trust of people themselves, and the trust constrained by algorithms gradually assimilates into the ultimate belief, allowing human beings to evolve into smart contract civilization, and outline the future super civilization to you and me. beautiful silhouette. With the arrival of the digital currency halving wave in 2020, the fairness of the blockchain world has been broken again.

Based on scientific thinking and careful layout, BZ Protocol aims to break the gap between the rich and the poor, relying on the decentralized underlying technology to establish a scientific, fair and transparent central bank financial issuance storage system, leading a new type of financial social experiment, allowing capital Serve the collective interests, let the assets that conform to the rules of the economic game increase in value in an orderly manner, and let the financial civilization develop in depth towards the chain business civilization.

BZ Protocol adopts the BSC high-performance public chain to formulate a chain business contract, let the algorithm take over human nature, and implant thousands of business behaviors into the decentralized gene. From then on, the business rules strictly follow the mathematical logic, ending all scams and unfairness, and ensuring that even in the In the darkest environment, the BZ Protocol contract always makes the most fair judgment.

BZ Protocol is born for collective profit. The public can participate in assets and redistribution through BZ Protocol. Consortiums and technical groups can quickly release chain business applications through BZ Protocol. Cross-chain transactions are no longer just talk on paper. People who yearn for freedom can freely To socialize anonymously, blockchain talents will obtain better resource allocation through the chain business system...

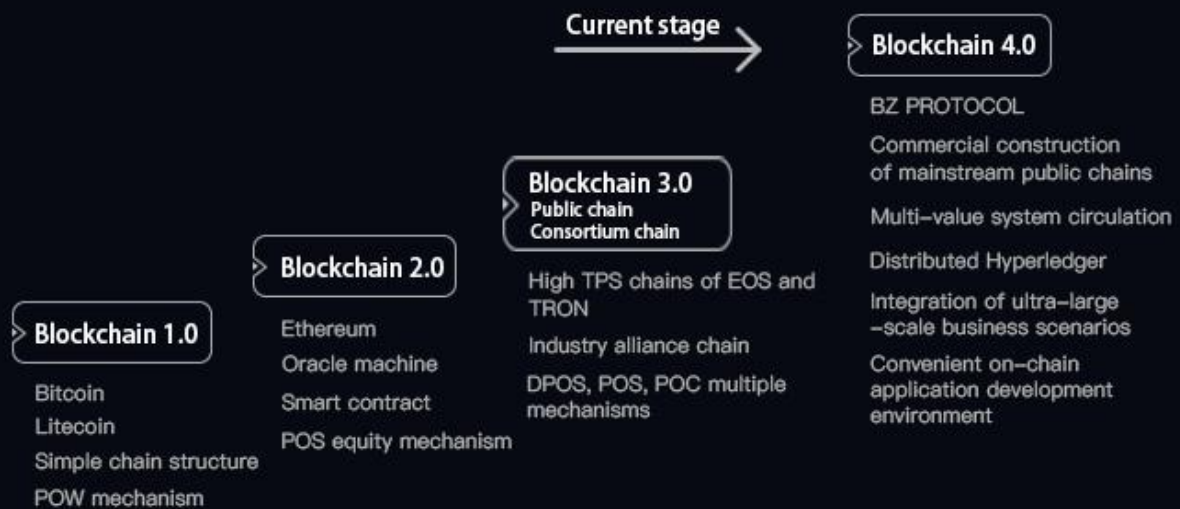
Everyone is a believer, everyone is a participant, and everyone can even be a rule maker. Social finance will present more orderly competition, and thus more flowers will bloom.

The greater the ability, the greater the responsibility. BZ Protocol will burst out the light of fairness and justice and benefit the public, and do its best to heal the friction in the world and lead mankind towards a perfect world.

■ BZ Protocol Introduction

BZ Protocol is a cornerstone operating system of trust society developed by the anonymous community spontaneously established by the BZER community for one year. It is not a Dapp in the traditional sense, but a BSC blockchain as the bottom layer, which can be combined with AI. The fourth-generation blockchain technology group multi-dimensional

technology aggregation of Big Data and other technologies. In addition, BZ Protocol also represents an ecological architecture and financial technology concept, represents anonymous people who build a trust society, and represents an ideal form of trust society.



BZ Protocol will use public ledgers and public bookkeeping technologies to create consensus mechanisms and decentralized trust algorithms, create encrypted digital assets through smart contracts to effectively motivate public bookkeeping and community members to participate, and open source software codes to build trust machines, thus Form self-organizing communities. Blockchain is not only a technology, but also a social behavior system based on network and machine trust.

BZ MAIN BODY

3



Main body

■ DAO Autonomous Organization

A fundamental difference between a blockchain community-based autonomous organization (DAO organization) and a traditional company is that it was positioned as a giant network organization at the beginning, which is globalized, distributed, and non-linear expansion and development.

BZ Protocol relies on blockchain technology and the concept of token economy, adopts a decentralized node management method, and the autonomous community is highly autonomous. It provides a series of voting mechanisms, and the voting results are combined with smart contracts to automatically adjust the business share and credit rating of the business.

DAO has early miners from all over the world, financiers, sociologists, and the world's top blockchain technology giants, as well as many capital giants to participate:

American Techme Foundation



Renice Foundation



Renice Winery

UK CAPTAIN Foundation



■ Supervisory agency

Important participants of the BZ Protocol, they can be institutions or individuals, and they conduct supervision, auditing, certification, rating, arbitration, etc. on the business practices in the BZ Protocol. Third-party service provider: A third party that provides relevant business services based on BZ Protocol.

FIRE OF INNOVATION

4



Fire of innovation

The five major technological innovations form a perfect closed loop of economic, social and commercial systems. Among them, the BZER-based consensus distribution mechanism, the Dopp consensus algorithm, the trust stamp BSCID, the combination of the three mechanisms of communities, nodes, and links, are interlocking and closely linked to form a huge self-consistent value trust network. Capable of accommodating unlimited individuals and business models. Compatible with any trust transaction scenario.

■ Efficient production relationship and distribution mechanism - basic mining

Planet project

The initial function of the planet colonization plan is the interpersonal network established by resonance transactions, decentralization, anonymous transactions, smart contracts, and a special transaction address). The total amount of BTC issued has been reduced by 10 times, and the BZ model itself has been completely decentralized with the blockchain.

$$\text{Any transaction medium price} = \frac{\text{Cash flow into the market}}{\text{The total quantity that can be traded in the market in the current time period}}$$

The current cryptocurrency industry is an Internet-based financial market. Experienced practitioners clearly realize that they need to follow the needs of users in the financial market under the premise of this Internet thinking. Changes in the price of trading media affect market confidence.

By participating in the four different stages of nuclear fusion to obtain the quota of the planet plan, each quota will generate a total number of mining pools according to the current real-time price of BZ, and release the corresponding BZ according to 2% of the quota every day until the release is completed . During the release process, you need to participate in the corresponding quota to activate the release. Once the planet plan stops, the release will also stop simultaneously.

Primordial Era	Redeem 100U to get BZ+100U to enter the planet plan
Stellar Era	Redeem 500U to get BZ+500U to enter the planet plan
Degeneracy Era	Redeem 1000U to get BZ+1000U to enter the planet plan
Black Hole Era	Redeem 5000U to get BZ+5000U to enter the planet plan

BZ Wit: Demand exceeds supply

For example: A holds 1000 BZ, releases 2% every day, 200 BZ in 10 days

B wants to hold 1,000 BZ, and A only has 200 BZ in 10 days, which is still 800 BZ. He needs to buy 4 BZs of 200 BZ for 10 days, which is enough for 1,000 BZ

C also needs to hold 1,000 coins. At this time, A has no coins in circulation, and B has no DEFG, and also needs to hold 1,000 coins. ABC has no coins, and demand exceeds supply, so there is no room for growth.

■ Trust Stamp-BSC ID

Cooperation is the most important driving force of human civilization. Without trust, there will be no cooperation. The resistance to cooperation is a key factor affecting the development of human society and culture. In a centralized world, how to solve the trust problem has always been a difficult problem that cannot be solved fundamentally.

The blockchain makes it the first time in human history to solve the trust problem through technical means, which is also the core value of the blockchain. The consensus trust system established by the blockchain brings trust to its highest level, a passive trust model. Through the connection of this consensus, a complete community is formed: rely on the strength of all life to resist inner fear, dare to trust, and embrace cooperation. We can understand it as a trustless consensus agreement, a love agreement.

BSC ID is an identity in the BZ Protocol society. It is a unique transaction address that maintains relationship links based on special transactions between addresses. A constantly expanding fission promotion network has been formed to connect BZ Protocol users more closely. Blockchain technology solves the trust problem and ensures the transparency and security of benefit distribution, which is a very important part of the BZ Protocol design.

BZ Protocol is the first game rule that promotes multi-layer interpersonal fission, as well as the benefit cash flow channel, a breakthrough project realized through blockchain technology. This new form of technology has changed the industry rules of the existing money game through technical means, and completely ended various scams in the money game. In the future, people will realize that if the law is not enough to help them solve

their problems, the answers to these problems can be found by relying on the blockchain and the consensus network of the masses.

The system relies on the blockchain to satisfy multi-level interpersonal fission for benefit distribution and solve the trust problem. We call it the trust stamp network, because it can stamp the interpersonal relationship like a stamp to prevent tampering. With group consensus, we no longer need to worry about trust issues.

■ Trust Stamp Structure

The entire trust stamp network looks like a collection of countless pyramid structures. Through the trust stamp system, all interpersonal networks become transparent and traceable on the BZ Protocol chain. The benefits of interpersonal relationship expansion will be obtained by users in the trust stamp system. This not only builds a bridge of trust between users, but also imprints a permanent immutable stamp, the trust stamp.

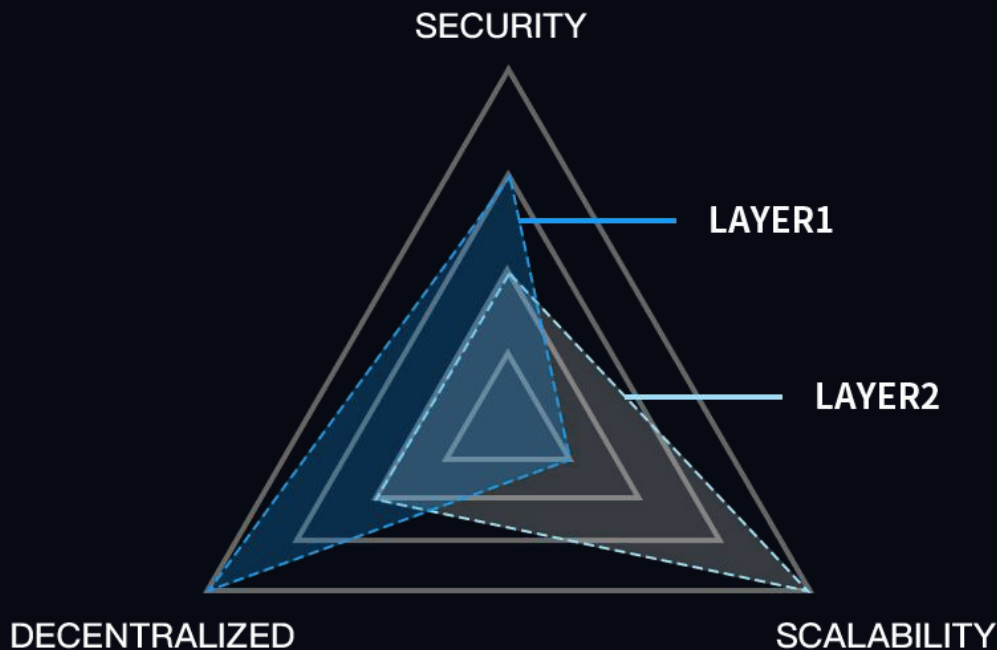
How many successfully activated BSC ID sources are there in the BZ Protocol chain, and how many trust stamp pyramids will be born. Each Trust Stamp Pyramid can have infinite layers of link relationships. That is to say, each BSC ID source point is located at the top of each trust stamp pyramid. All fission relationships start from these BSC ID sources.

This is a huge network of sales relationships. Even if we can invite everyone in the world to join our BZ Protocol Trust Stamp System, it will not be able to fill it. On the other hand, it's a never-ending game of promotional rewards.

■ BZ Protocol protocol mechanism

The BZ Protocol protocol mainly has four core modules, mining pool, burning mechanism, prize pool, and circuit breaker. To ensure security,

stability, and scalability of the entire protocol in the later stages of these four modules, it is necessary to protect the protocol from the entire underlying mechanism, as shown in the figure below:



Layer1 BSC underlying technology, Layer2 smart contract layer

- The smart contract address is completely decentralized, the funds are safe and transparent, and the policy supervision is not hindered;
- The BZ Protocol is a protocol 100% implemented by smart contracts. This protocol runs on the TRON chain. The contract address is open and transparent. Anyone can query the details of the contract on the chain according to the contract address, including the contract source code, above transaction details. As well as the source code of the smart contract, detailed information on the liquidity in the contract, and every transaction record can be found on the chain. The security of funds of liquidity providers is guaranteed, and since the protocol can be accessed using any decentralized wallet of TRON, there is no centralized account system, and users only need to import their own wallets in any decentralized

wallet address, you can use the BZ Protocol protocol, which is not affected by factors such as country, region, politics, and policy regulation. The user's assets are guaranteed to be 100% safe.

- Automatic operation on the chain, stable, efficient and fast;
After the smart contract of the BZ Protocol protocol is deployed online, the operation of the contract is completely controlled by the logic of the smart contract itself, and is not affected by any external factors. This greatly reduces maintenance costs and risks due to maintenance. This makes BZ PROTOCOL run stably and efficiently.
- The data cannot be tampered with, and the data is impeccable;
Compared with banks, the data of fund companies is not open and transparent. You can modify the data at will or even freeze the user's assets. All the data of the BZ Protocol protocol are completely open and transparent in the blockchain browser of TRON. Users can not only view their own asset flow, but also view the entire flow pool Fund flow (savings pool, reserve pool, prize pool). The data deployed on the smart contract cannot be tampered with, and no one, including product developers, has the authority to modify the data, ensuring data security is impeccable.

THEORETICAL BASIS

5



Theoretical basis

■ BZ Protocol protocol mechanism risk model considerations

Complex Model Considerations

Risks in the financial industry generally come from market risk, credit risk, and operational risk. These risks are also increasingly appearing in the ever-growing financial ecosystem on the chain. The bridging of risks often indicates the continuous spiral integration of the two worlds of finance. The BZ Protocol protocol is the first to boldly try many classic probability theories, operational research theories and modern financial risk management models in the decentralized financial system on the chain. In this white paper, the general basic model theory is given, based on the Marko The risk model of the husband chain helps to test the robustness of the entire system, timely control the key global data of the system, and assists in the formulation of rate policies, moving towards a professional modern financial risk management mechanism on the chain.

In addition, the unique risk circuit breaker mechanism and liquidity mechanism of the BZ Protocol agreement have a certain reference effect on the risk of extreme contract system risk, and a model similar to a risk pool can also be established for quantitative analysis. The figure below shows a simple model of providing BZ currency production income during the circuit breaker period. Assuming that the liquidity provided is 2% as the benchmark rate, the system threshold E is 50%. When the system triggers the risk control, the circuit breaker E value continues to shrink and the liquidity For every 0.2% decay, the E value will decrease by 10%, and vice versa, it will increase by 10%. The threshold E range

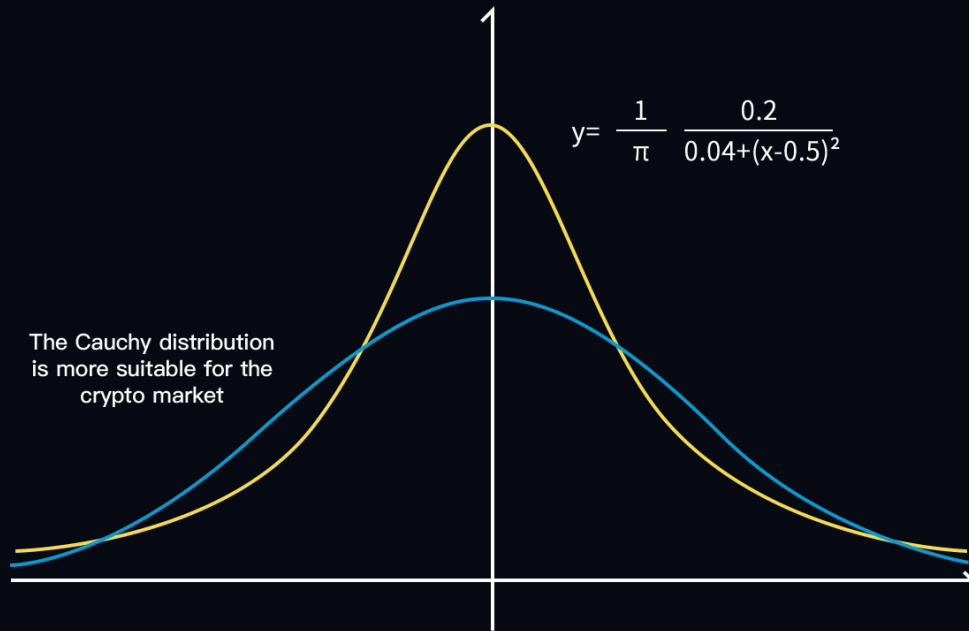
fluctuates between 10% and 100%.

In more complex modeling (as the scale of stablecoins on the chain and the boundary of influence expands, financial instability factors gradually increase), the covariate is not fixed, but changes in a certain distribution characteristic over time, so In the loss distribution model, the calculation of the conditional probability should actually take the probability-weighted average, and it may even be necessary to construct a non-homogeneous transition matrix and establish a more complex dual time series model.

Extreme Risk Model Considerations

VaR is an accurate, intuitive and easy-to-operate risk measurement and management technology, which can more effectively predict the maximum value fluctuation and probability of the assets that provide liquidity in the future, but it needs to follow market efficiency assumptions and assumptions Market fluctuations are random (under normal market conditions), but for the phenomenon of peaks and thick tails, fluctuations are clustered.

The prediction of (volatility clustering) and extreme risk situations (in fact, these situations will be more frequent) needs to be coordinated with other models or higher-order stochastic simulation methods (such as GARCH family models and Monte Carlo simulation methods) to further avoid underestimation The possibility of small probability events and more accurate assessment of loss probability. As shown in the figure, Cauchy Distribution (Cauchy Distribution) is a well-known type of fat-tailed distribution, which is suitable for the prediction of small probability events such as financial crises, which is different from normal distributed.



BZ Protocol protocol small probability event and Cauchy distribution

The CVaR model [20] is often used to monitor "black swan" events (extreme events on the left), pointing out that losses exceed the conditional mean value of VaR, and are more sensitive to extreme risk assessments on the asset side.

$$CVaR = (1 - \beta)^{-1} \int f(x, y) p(y) dy$$

$$f(x, y) \geq VaR$$

The function f is the loss function, p represents the distribution function of the rate of return y , and β is the confidence level

Although the BZ Protocol protocol contract framework tries to split the entire fund pool into four pools: savings pool, reserve pool, prize pool, and technical service fee. However, when risk control liquidation is triggered, in the face of such extreme risks, their tail correlation may suddenly increase,

which cannot play the role of risk diversification. For the measurement of extreme tail risks, the BZ Protocol will establish corresponding suitable on-chain The core idea of the tail risk parity model of the financial system is to “equalize” the tail risk by rationally allocating the weight of the liquidity pool of portfolio assets.

We still use VaR to reverse the tail correlation, that is, to calculate the combination VaR (VaR-implied tail correlation) through the respective VaR value and combination weight of each asset:

$$\text{VaR}_{\text{port}}^{\text{agg}} = \sqrt{x_1^2 \cdot \text{VaR}_1^2 + x_2^2 \cdot \text{VaR}_2^2 + 2 \cdot x_1 \cdot x_2 \cdot \rho_{12} \cdot \text{VaR}_1 \cdot \text{VaR}_2}$$

ρ_{12} represents the correlation degree of price changes of various assets.

If the asset-side price changes follow a Gaussian distribution, the correlation coefficient is equivalent to the classic Pearson Correlation Coefficient. As mentioned before, VaR has limitations. In order to accurately describe the left fat tail of the return distribution, VaR can be further replaced by the ES (Expected Shortfall, same as CVaR) calculation method [24], which can more effectively describe the left tail risk. mean (conditional expectation).

$$\text{ES}_{\alpha} = -\frac{1}{\alpha} \int_0^{\alpha} \text{VaR}_{\gamma}(X) d\gamma$$

Given the expectation that the expected shortfall is the worst α percentage, $X \in L_p(F)$ denote future returns.

On the whole, the risk measurement model of the circuit breaker mechanism of the BZ Protocol will fully consider the measurement of Convergent risks (can be modeled and quantified) and Divergent risks (which cannot be measured well), and complete the efforts in order not to "default" and "default". A progressive risk control model that is quantifiable, predictable "default" and reduces "default" losses. It is worth emphasizing again that there is no right or wrong in models and theories, and they are not static. The key is to always grasp the most essential cognition and exploration of the encryption market and the future, establish a model and methodology, and develop a phenomenon into One direction, becoming a comprehensive field supported by more professionals and border industries, can continuously expand the financial border on the chain and bring the BZ Protocol protocol to a new height.

TECHNOLOGY WINGS

6



Technology wings

BZ Protocol technology is to create a fair and just blockchain world in the future, and to solve the problems of data fan fission and slow application landing in the existing blockchain. BZ Protocol is equipped with a scientific system of blockchain solutions, and provides Users and participants provide the best and most friendly blockchain business application environment and tools. At the same time, BZ Protocol provides the underlying open source development kit, uses blockchain algorithms and gameplay modes, and is compatible with multiple sets of circulation ecological closed loops compatible with more project token circulation, truly providing a complete set of blocks that can be landed, operable, and have practical value chain business solutions.

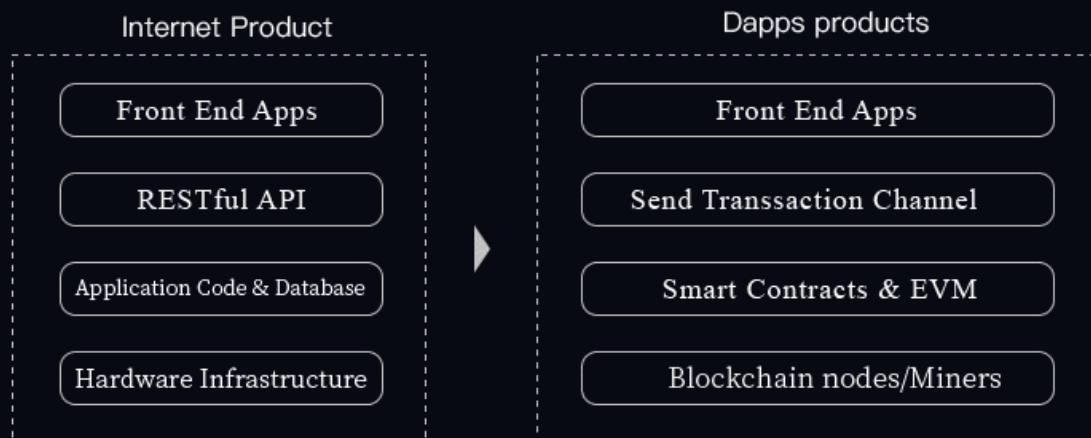
■ Dapp

A Dapp (Decentralized application) is an application that enhances modern web applications by distributing key components across a network of peer-to-peer nodes. It can be seen from the comparison with general Internet applications. Internet application users first see the UI page, followed by the interface layer, and all codes are completed on the infrastructure, such as databases, Alibaba Cloud, etc.

The Dapp of the blockchain is similar, except that the infrastructure has become a blockchain, the hardware has become a node for miners, and the upper-level business layer code has become a smart contract, and the top layer is a specific business.

Decentralization is not an absolute description of black and white, it has a range. A well-designed Dapp leverages the existing web application foundation and distributes key components of the application, reducing

risk and ensuring a great user experience.



What we need to emphasize is that the middle part puts the transaction on the chain, that is, how an application connects to the nodes of the blockchain. There are the following 3 methods.

With the help of Dapp browser (browser + external wallet), it is analogous to the use of Paypal and Google Wallet in the Internet. Built-in wallet in your own application, analogous to direct bank connection.

Pull the server in. There are often 3 situations where a server is required:

- Integrate third-party services;
- as a cache engine;
- Store bulk data storage.

Fission system realized by Dapp

Using Dapp to implement a complete fission system can bring the following advantages to the project:

Mitigating Single Points of Failure (SPOF)

The infrastructure that modern web applications rely on has a single point of failure. These single points of failure include server infrastructure, code bases, databases, etc. With high availability and reliable infrastructure.

The emergence of service providers (GCP, AWS, etc.) has made progress in mitigating single points of failure, but even stronger than Amazon, there will also be outages in early 2018, and it is difficult to avoid outages.

Dapps alleviate these problems by storing key components of data or infrastructure on a network of multiple peer nodes. Data is hard to lose if every participant in the network has a copy of the data.

Reduce reliance on central institutions

In software, business logic is the part of a program that encodes the real-world business rules that determine how data is created, stored, and changed. Business logic is essentially a set of contracts that dictate how business objects interact with each other and define how users or other objects can access and update objects.

In traditional web applications, these business logic contracts are implemented in mutable software. Software can be modified after initial creation, while also running on private servers that cannot be guaranteed to be tamper-proof and auditable. Distributed ledgers provide a way to build and execute business logic in tamper-proof, immutable, and fully auditable programs — smart contracts. Users of Dapps that use smart contracts can verify the implementation logic in smart contracts, including checking the input, execution status, and output of logical interactions. Smart contracts cannot be modified at will, which can reduce trust in centralized institutions.

Improve security

Given the above two points, application security can be improved by mitigating common risks in current application architectures. More specifically, by introducing client-side encryption, a Dapp secures or

encrypts certain types of information before sending it to the application's servers. Users can directly access data using their encryption keys without going through a data gateway such as a company's server or API.

Leverage network effects

Modern web applications are able to exploit network effects to create sticky services while attempting to capture the largest market share possible. A good example is OAuth or "Login with X". Google and Facebook can provide a coherent cross-product service, but are also limited by the reach of their user base and the information stored on their private servers.

Dapps can leverage public ledgers and distributed storage as a source of truth. Ultimately, it can provide identity/authentication, permission rules and data access proportional to all resource participants in the network.

Cryptography and Distributed Ledgers

Some of the technologies currently in use form some of the fundamental building blocks of the Dapp ecosystem, allowing Dapps to achieve their main goals.



Dapp technology, echoing the 3.3 part of the SDK that can be functionalized and modularized.

Distributed data storage, which is a trustless data storage. Data storage solutions such as Distributed Ledger (Blockchain), IPFS (Interplanetary

File System), Swarm, which can store data on multiple nodes.

Distributed business logic, which executes business logic without trust. Technologies like the aforementioned Ethereum smart contracts allow business logic to be executed on a distributed ledger.

Client-side encryption, mainly for end-user encryption. Blockchain Wallet, Ethereum Clef, and Parity-UI port encryption functions to the client. This enables users to encrypt or sign data before sending it to the application's servers. It also supports interaction with distributed storage solutions and distributed ledgers.

All in all, Dapp is a new design pattern. This model uses the best of modern app design, enhanced with blockchain and peer-to-peer technology. As ideas, resources, and innovations enter this field, it will become one of the most dynamic ecosystems in history in the future, thereby promoting the formation of a token economy.

It is foreseeable that the fissionable system realized through Dapp will definitely help the blockchain technology to land in life and provide us with services in various scenarios.

■ Easy-to-deploy fission fission system

What is a fission system

The term fission is derived from the concept of nuclear fission in physics. A common fission scheme is to use a high-speed moving neutron to bombard the nucleus of uranium 235, thereby fission into two lighter nuclei and 2 to 3 high-energy neutrons. These neutrons will hit the nearby uranium 235 nucleus again, and the fission reaction will continue, which is a chain reaction.



In the WeChat business ecology in recent years, fission has been used by marketing groups to describe the process of doubling fans and doubling sales. When we discuss the fission model, we are discussing these three aspects:

- ◆ How important are seed users
- ◆ How to increase the fission factor
- ◆ What does the fission rate depend on?

Here we propose a formula to estimate the fission effect:

$$\text{cust}(C) = \frac{A \times B^C}{(1 + \alpha)^T}$$

Of which:

A is the number of seed users, B is the fission factor, C is the current round t is the round of new content, the larger t is, the faster the fission speed $C < T$: $T = 0$

$C \geq T$: $T = C - t$

From this, the first conclusion can be drawn. Since the increase in the

number of seed users in the C round is a monotonically increasing function of A, it is said that the stock (seed users) brings an increase. It is not even an exaggeration to say that the number of seed users is the first decisive factor for the success of fission.

Therefore, we designed a series of operations in Dapp to amplify the fission effect:

- ◆ Invite players to participate in BNB energy injection to get extra rewards
- ◆ The PK mechanism rapidly fissions more users
- ◆ Drive users to invite more users to join groups and get more native tokens in Dapp
- ◆ Invite other users to join your team, team members grow and give Team bonuses

Therefore, the above first level invites new users for old users, and continuously increases the base of seed users. The second layer recalls new users for old users, all in order to maximize the incremental effect of seed users.

The second conclusion is that the fission factor is the key factor for the success of fission. The fission factor is simply the number of new users that a user can bring. Among them, the unfavorable factors affecting the fission factor are:

- ◆ Difficulty of operation

- ◆ Operational complexity

- ◆ Need to pay

Therefore, the operations we need to do well in the design of Dapp are:

- ◆ Interest-driven: Increase the fission reward value
- ◆ Interest-driven: Large-scale display of prizes, record on-chain, announcement broadcast
- ◆ Reduce operational complexity: Each step only gives the user a main operation key, and the main entrance of the fission invitation button is on the necessary path after the nuclear explosion
- ◆ Interest-driven: Invite friends interface to display the benefits of inviting friends at the same time

According to the third conclusion of the above formula, the fission velocity is the gas pump for the success of fission. In any system, the user's attention will have a specific decay curve. A well-designed product has a lagging decay curve. In the case of setting a certain fission target, we need to increase the fission speed. Therefore, we need to analyze how to make a user fission faster and attract more users.

Our design ideas are:

- 1) Improve the exposure rate of Dapp in front of users
- 2) In the core link, on the premise of not affecting the user experience, the

sooner the fission action appears, the better

3) Promote large-scale cooperative communities, link capital institutions, and establish a strong consensus

4) The group fight in the Dapp is not permanently valid. Therefore periodically the user needs to log in

5) Dapp is a small game that increases the sense of participation

In summary, the fission system of the GeekChain project has three design ideas:

Seed user: Through execution and game mechanism, try to increase the participation ratio of seed users and encourage old users to participate

Fission factor: Interest/social currency/self-shaping can increase the fission factor, while operation difficulty/complexity/need to pay, etc. will reduce the fission factor

Fission speed: It can be improved by the following methods: the fission link appears as early as possible in the core link, the chance of fission occurrence is increased through the game mechanism, and the time limit is used to speed up the speed of user action

■ **SDK that eases development difficulty**

The design idea of modular functional components can bring obvious benefits to a growing project. Especially for a public chain project, the difficulty of development is compared to "like refueling a plane in flight". Therefore, a functionally modular and pluggable design architecture can provide support for future projects to upgrade according to the roadmap, while reducing the possibility of hard forks.

This project uses a high-level architecture based on Asimov (Asimov Architecture), consisting of 6 modular components that can be divided

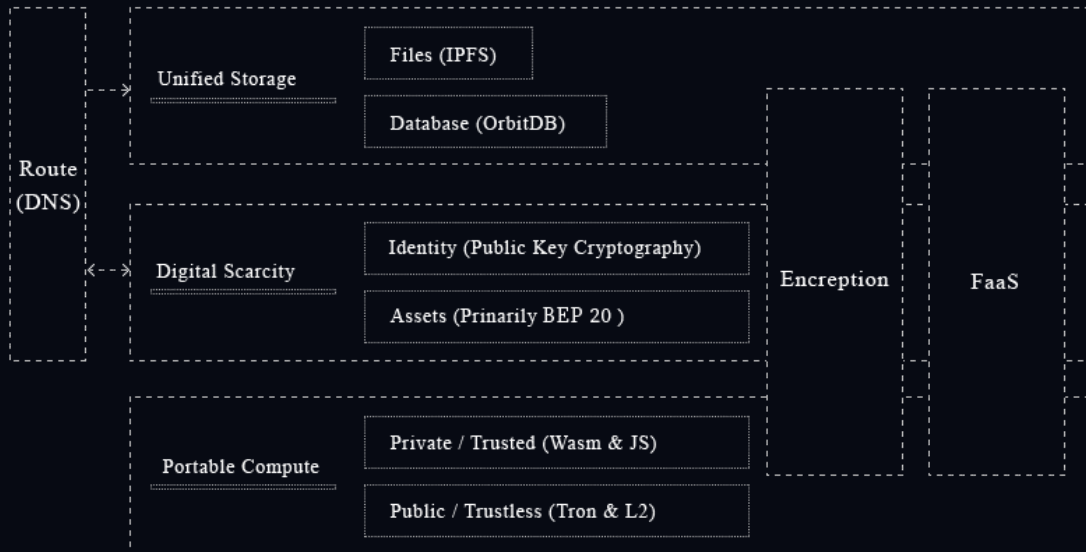
into 3 parts:

6 modular components

- ◆ Unified storage
- ◆ Files (IPFS, Interplanetary File System)
- ◆ Database (OrbitDB)
- ◆ Data scarcity
- ◆ Identity (public key encryption)
- ◆ Assets (TRC 20 form)

3 parts

- ◆ Portable Computing
- ◆ Private and trusted (Wasm and JS system)
- ◆ Public ownership does not have to be trusted (BSC and layer2)



Running through these architectures are two vertical second-order modules that rely on the 3 core domain functions mentioned earlier. The two second-order modules are:

◆ Encryption

◆ Function as a Service

The vast majority of end users will not be able to use encryption-backed routing natively for some time. To bridge this gap, our Asimov architecture leverages the public DNS infrastructure as a backward compatibility bridge.

Combined with the high-throughput cross-chain protocol technology solution discussed in the previous section, we combined the Asimov architecture of this case with the blockchain cross-chain service infrastructure, and created an SDK (Software Development Kit) on the application development interface to support the landing application. Youchain developers can more easily create application-specific chains for their respective service architectures, and publish their own

application logic through a series of toolkits on the chain. At the same time, our cross-chain infrastructure can support the services of these specific application chains to be consumed across the chain.

Therefore, through the flexible SDK+ cross-chain infrastructure solution, we can not only realize the cross-chain transfer of tokens, but more importantly, support data and complex calculations to be consumed across heterogeneous networks. It is often said that in the era of big data and the era of Industry 4.0, data can generate value. In fact, static data cannot generate value. Only when the data can complete the confirmation of rights, privacy protection, and real circulation, the flowing data can really create value in the right place. Our technical solution cross-chain service infrastructure + SDK is particularly important. Their combination can enable the extension of value and services between various application chains.

BZ BIG EVENT

7



Big event

■ Development history

2021

- 05 ● Decentralized Finance Promotion Group Established
- 07 ● Refer to YFI to establish a decentralized full-ecological future currency network solution
- 09 ● Preliminary construction of product concept and logic

2022

- 01 ● Select the BSC main network to start the development of the underlying architecture
- 05 ● BZ Protocol agreement confirmed
- 07 ● Product architecture construction
- 08 ● Technical framework completed
- 09 ● Ecological achievement The project is officially defined as the simultaneous global launch of the BZ Protocol agreement
- 10 ● The ecological consensus is further strengthened / the chain business contract is launched
- 12 ● Build an NFT trading platform / Simultaneously launch BZ Protocol exclusive community tokens

2023

Upgrade the BSC underlying framework

Develop BZ Protocol commercial chain

The saga continues

■ Whitelist exchanges

Half of the income of community operators is used for community building, media promotion, technical maintenance, exchange listing, etc.

Holding address up to	Apply for listing on the exchange
> 25,000	Mxc
> 100,000	Gate
> 150,000	Okex
> 200,000	Huobi
> 300,000	Binance

PHILOSOPHY OF PERMACULTURE

8



Mission
Future

BORN TO CHANGE

WOULD RATHER DIE THAN STAY



BZ PROTOCOL



Mission
Future

BZ PROTOCOL

IF YOU DON'T BELIEVE
OR DON'T UNDERSTAND IT
SORRY I DON'T HAVE TIME TO CONVINCE YOU

**IF YOU DON'T BELIEVE
OR DON'T UNDERSTAND IT**

Sorry i don't have time to convince you



Mission
Future

BZ PROTOCOL



NOTHING IS ETERNAL
ONLY THOUGHTS ARE ETERNAL

NOTHING IS ETERNAL
ONLY THOUGHT LASTS FOREVER



BZ
PROTOCOL



ENDING THE CENTRALIZED BANKING MONOPOLY

Defend the value of our wealth

BZ PROTOCOL



Mission
Future

I AM LEGEND

THIS BATTLE IS ENDED
BY ME AND FIGHT FOR FREEDOM

BZ PROTOCOL



Disclaimer

BZ Protocol is a large-scale social experiment project implemented by Geeks Without Borders. This white paper is compiled by BZ Protocol enthusiasts based on their project ideas and technical principles. It is for reference by project parties, or for communication and academic research among enthusiasts, does not constitute any investment advice. We do not promise or guarantee the integrity and trend judgment of the content. Existing analysis does not represent future performance, and any investment behavior may result in asset loss; anyone who makes investment decisions based on this is at their own risk.

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