

AladdinGalaxy WhitePaper

Persist in the secure cross-chain wallet system

Aladdin Galaxy
阿拉丁星系

1.2 version

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I .Consultant team, investment agencies and partners

1.1 Consultant team and investment institution

1.1.1 consultant team:



Block chain, finance, military and civilian integration, high-tech and mobile should. The founders of many companies and technology start-ups, Angel investors and board members; He is the element capital.

Founding partner and President, 2017 in mainland China.

Name of the 12th securities fund. The company mainly engaged in one, Investment in the secondary market, including chengdu hongming power.

Zi, longteng auto manufacturing plant, Beijing longyuan innovation information technology.

And so on. He is also known as Israel's famous blockchain.

Division Synereo (AMP) greater China partner and. Consultant: the 2015 Forbes report will network.

To decentralize one of the three platforms; Xu fei is also YIC green.

Founder of venture capital club; The Chinese youth angel will be at the core.

Founding members.

-- Michael Xu



He is now a founding partner of zhongguancun river capital, and he is a major. Founding partner of venture capital fund, director of north soft angel technology fund. General manager; Previous sohu company content department product technology. Heart director, China mobile 12580 vice President, hna group mutual. President of networking business. As a personal angel, I have invested in ink and weather, as well as the loan of hui people. More than 10 early projects, such as home; As a major river, A number of fund investment committee members, such as Enoch and north soft angel, Leading or participating in more than 50 investment projects; And in 2016 Won the zhongguancun high-level leading talent (investor).

- Zhangyiqin



The founder of Bitangel foundation, Specialized in digital cryptographic currency and block chain field of angel investment. Capital fund, investment projects are numerous, deeper involvement block chain. All aspects of the whole industry chain, active in the global promotion block. Chain enterprise, and foreign advanced block chain concept and company. The development model brought into China is the Chinese blockchain industry. A flag of the world, known as the pioneer of digital currency. People and guides.

- Guo Hongcai



Famous angel investor, dragon yi capital partner, dragon yi tian.

The founding partner of the fund, the Chinese youth angel will be established.

Member and executive director, Beijing wenzhou chamber of commerce supervisor.

- Zhou Hongguang



Serial entrepreneurs and consultants in the field of innovation, including blockchain, Fashion, education, film and culture. He is under the sun in Beijing.

The chief executive of young company focuses on offshore projects.

Capital management, investment banking and domestic market development. He's still using color

There is a big deal with Synereo (AMP), a well-known blockchain.

President and chief representative of zhonghua district: 2015 Forbes

The report will make one of the three main platforms for network decentralization; XCARE's advisor: the life sciences data collaboration system.

Block chain company; The outside partnership of YIC youth venture capital club.

People.

- Jeremy HM Chou



China youth angel meeting executive director of the foot of the founder.

Senior economist, financial planner. The young angel of China.

Founding member, founder of hunan high-tech enterprise association.

Also served as the CEO of wanshi technology media, director of longshang capital, Hua jiu capital director, chui rui investment director. In 2013 to open

Angel investment. In 2014, investment dragon yi qi and silicon valley.

Zpark angel fund, Chinese investor center, Israel.

EHealth national digital medical incubator, Israel.

Our crowd fund and other well-known institutions.

At the beginning of 2014 is

Investment in cutting-edge healthcare in the United States and Israel.

- Wang Xiaoye



Kcash co-founder, graduated from nankai university, 7 years.

Management consulting experience, former partner of consulting business,

The founding partner of Beijing huiyuan consulting co., LTD.

The company provides strategic planning and business model.

-- Yushui

1.1.2 investment institutions:



※ 青创投 ※

YIC青创投俱乐部 (Youth Investment Club)

YIC Youth Investment Club, launched in March 2012, is a Youth venture capital Club initiated and founded by entrepreneurs of domestic and foreign leading enterprises and partners of well-known financial institutions. Members of the club's founding shareholders include: angel investors, dragon capital partners, the dragon of the next following angel fund founding partner, standing director of China youth angel will founding members and supervisors, Beijing, wenzhou chamber of commerce - Zhou Hongguang; Angel investor, vice President of dragon business capital, founder of lu Chen founder, wang xiaoye; Zhongchuang space investment management group chairman, WeUp zhongchuang capital founding partner - xie liming and so on. Green vc club adhering to the high threshold, internal sponsor, partner system principle, the club is committed to "all the wisdom, enjoy and raise" model, for the excellent domestic listed company successor and heirs and industry leading young elite entrepreneurs to build a vc friends sharing, learning, research, interaction and mutual cooperation of ecosystem, with current core members in Shanghai, Beijing, guangzhou and Europe and the United States, Singapore and other regions.



※ 元素金服 ※ Elements of gold dress

Elements gold suit is one of the leading domestic private equity fund management companies and venture capital fund management company, which owns more than the fund, in charge of the funds more than five billion yuan, and mother was awarded in 2017, the China securities fund TOP12 (jin hui award).



※ BDFUND基金 ※

The "BDFUND fund" is a special block chain investment fund established by the block chain dream factory, which is supported by the block chain dream factory and jointly managed.

BDFUND fund is a new block Chain, the main investment areas include block Chain upstream and downstream industries, has cast project include STB Chain, GYM Chain, Fishchain, Bitcv, dreamworks funds based on top industry resources, such as excavation quality Chain block project, major investment projects angel and early stage such as cornerstone.



※大河创投※ DaHe Capital

River vc is focused on angel and A round of famous renminbi funds of the project, focusing on Internet +, the upgrading of consumption, smart hardware, big health in areas such as early projects, fund committee members are one hundred times earnings club members. River vc will rely on its own in the field of Internet, entrepreneurial ecosystem, public relations and other resources to provide ongoing support to entrepreneurs, in the field of funds with domestic and international capital market channels resources at the same time, the use of capital market for the enterprise to realize rapid growth to provide more choice space.



※龙翌资本※ LongYi Capital

Longyi capital is a highly innovative boutique investment bank.

Longyi capital is a highly innovative boutique investment bank. The core products focus on m&a (investment bank + fund) and venture capital. Longyi attaches great importance to strategic mutual trust with enterprises, deeply excavates industry opportunities, and supports strategic transformation and innovation by means of capital means such as mergers and acquisitions and investment. Headquartered in Beijing, longyi capital is located in the core economic regions of Beijing, tianjin, Yangtze river delta, pearl river delta and central and western regions. In advanced manufacturing, retail, healthcare, real estate and financial industries have completed many landmark project, layout of the forward-looking technology, market application, or innovative business model, and on the depth of investment targets hatching, for its growth, the industry innovation vanguard! In the process, the dragon yi after investment incubation, service, capital operation ability, constitute the core increment point!



※MC创投梦工厂※ MC venture dreamworks

China's largest investor growth and service platform.

China's largest investor growth and service platform. In 2014 by China's most outstanding 22 female angel investors and funds By Britain's fund Li Zhu, le Yang Ning cardiac capital - Qiao Shunchang, entertainment works Jacky, Dutch capital Leo wang, jun purple mother fund Qin Jun, zheshang venture Liu Dongqiu, the eagle base Jin Liu Yang Shoubin eaglet, rich capital, cheng jing zhao mother fund today said ehud Shapiro, dragon macro light, the capital of the next weeks sound investment Wu Mingxiao, yida venture with super, GeJian AnZheng Road investment, with investment Shen Gongcan, Jin Huifeng li-xia zhou Lin, bole investment WengZheFeng jointly sponsored by China such as Shanghai, with China's most potential investors and professional investors.

Looking for China's most promising growth potential, new investment figures, Chinese angel investor model. Transformation for traditional entrepreneurs angel investment provide development view, construct the investment community, to provide investment decision-making, investment high quality good projects, to provide professional GP raise cast tube brand circle back fund service one-stop comprehensive angel investment growth platform.



※ 云山资本 ※ **YunShan Capital**

YUNSHAN Capital is the first equity investment fund in the block chain industry.

YUNSHAN Capital is the first block chain industry equity investment special funds. Investment direction wei is the top block chain technology and application project and technology finance, currently in China and silicon valley set up investment division. At present, we have the members of the top fund consortium of the industry, as well as the VC institutions such as chain one capital, venture capital fund and PreAngel fund to form the first-line VC matrix of domestic block chain investment. It is the parent fund established based on the aggregated LP investment demand, which connects the important bridge of gp-lp, and connects the global project through capital export to entrepreneurs. It plans to set up three medium-sized funds of its own mother fund, united mother fund, and investment fund. 2018 you, cloud funds dedicated to under the background of the block chain revolution for investors to choose the highest rate of return, exit the fastest cycle, investment, the highest share threshold project as the target, for investors to connect the world's top, top project investment share, bring the highest returns returns.



※ 麓晨创投 ※ **LuChen Venture capital**

Founded in 2015, 11 entrepreneurs and professional investors focused on early investments.

Founded in 2015, 11 entrepreneurs and professional investors focused on early investments. Since its establishment, it has invested in more than 10 domestic projects, such as painting decoration, lexi network, flowers, herbal tea, vintiane logistics, circle di, mini world, etc., and more than 10 foreign advanced medical projects, including perflow, Biop and Juventas. With the Cleveland hospital (comprehensive ranking the world's second, who first global cardiovascular field), Stanford school of medicine at harvard medicalschool, university of California, Los Angeles, university of California, Berkeley, Cornell university, Hebrew university in Israel, Israel's top institutions of science and technology established a deep partnership.



※ 未来资本 ※ **The future Capital**

(FFund.com) is committed to the future capital domain capital market, have many top-level domain, for different industries to the domain name service, domain name (yuming.com) is the top-level domain sales mall platform, FN (FN.com) is a professional global financial block chain financial media consulting platform, integrated service providers is an international chain blocks. It is invested by many experts in block chain and established by senior media industry team. The team members are professionals from the block chain and several well-known Internet companies and financial media such as tencent and jd.com.



※ 链上资本 ※ Chain on the capital

China zhongguancun first block chain mother fund, investment in the world's top block chain fund, digital assets institutional investment bank. Has invested more than ten chain projects and digital currency exchanges, the block chain media, mines, chain community, the block chain alliance, such as the depth of the layout of the ecological industry chain block chain, chain 'as well as high quality chain block industry consulting service one-stop cast melting head project, power block chain industry infrastructure and business applications in the field of excellent project team growth.



※ 大河创投 ※



1.2 Partners





BTC123 比特街123



II. Overview and pain point

First, we need to distinguish between the concept of blockchain asset storage and traditional asset storage. Blockchain asset storage does not actually store blockchain digital assets. Instead, it stores the keys (private key and public key). Owning the key means having the control of the encrypted asset at the corresponding address of the corresponding chain. This paper describes an open wallet system which combines the centralization advantage of synchronous transaction and the fairness of the relay chain. The system is intended to establish decentralized and non-asset - managed digital asset storage, conversion and management applications. AladdinGalaxy is positioned as the open standard and cornerstone for the next generation of digital asset security storage and management.

2.1 Security

For the digital currency storage, the most important issue is undoubtedly the security issue. The DAO attack, coindash losing coins, Mt.Gox incident, etc., emerge one after another.

High-Tech Bridge, a leading cybersecurity company, reports that 90% of digital currency wallets are insecure.

The Aladdin community has an obsession on the secure storage of information and community members will create isolated storage of information for encrypted digital assets, providing ecological level storage services for the industry. Therefore, we strictly regulate the process security of digital asset storage to ensure the irreversibility of each step of the encryption process, perform multi-layer encryption on almost all predictable security issues, and at the same time, adopt data distributed encryption, electronic data deposit, network authentication, data synchronization and other more standardized one-way security measures to make Aladdin wallet ensure the security of encrypted digital assets.

2.2 Multi-currency cross - chain payment

Currently, there are about 20 mainstream digital currency wallets in the world, but due to the different chain models, most of them are designed based on a certain chain , such as the Bitcoin of the UTXO model and the numerous wallets based on the Account model. Therefore, users have to switch the different applications to transfer and accept coins, which is very inconvenient. Cross-chain technology can effectively solve the conversion of different token chains, which is convenient for users and partly replaces the exchange function at the same time.

The AladdinGalaxy positioning supports multi-currency currency storage and conversion, which is no longer limited to a chain and greatly facilitates the users to manage their own digital assets.

With the increasing variety of encrypted digital assets in the world, secure cross-chain multi-currency storage will gradually exhibit an unparalleled advantage.

2.1 Anonymous community under the reputation mechanism.

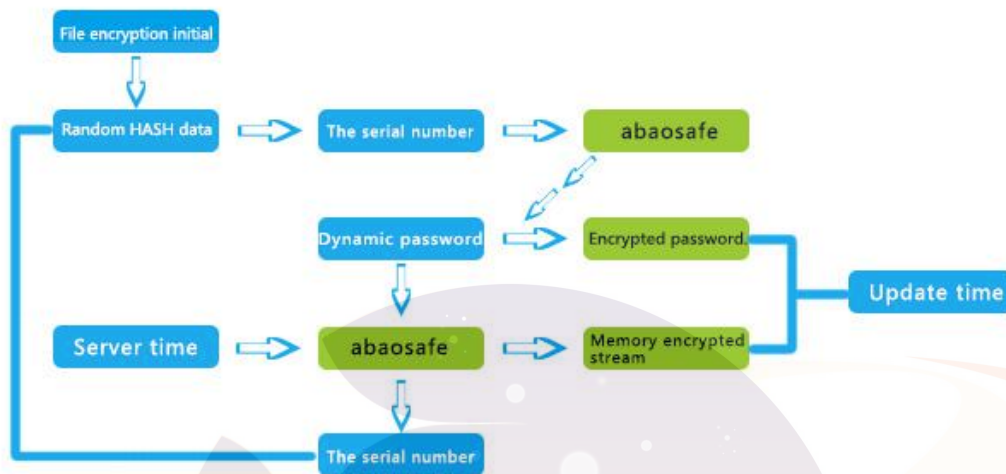
Encrypted digital currency can be held and flowed anonymously, but the encrypted digital currency holders cannot communicate anonymously, which limits the scope of communication. Once blockbuster "prism door" incident tell users around the world, you may have no what's wrong, but you still is suspected object, perhaps just because sent a wrong message, you may be survey in the past all the decisions, and communicate with your friends, because Facebook, Skype, Apple and Yahoo these communication tools are not anonymous. The current centralized mode of communication, even if the point or read after the burn is unable to meet the needs of the currency friends for private communication. While the existing anonymous community service can not effectively solve the problem of malicious bad review and more account amount of brush, make social and trade transformation path is blocked, decentralized communities also difficult to solve the problem of compulsory dissolution of anonymous community etc. With the increasing maturity of cryptographic digital currency users, it is urgent to solve these problems.

III. What are we going to do

3.1 Safe storage

We have defined the security standard in the field of digital encrypted currency storage: *Abaosafe*.

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The client and server negotiate a key K in advance for a one-time password generation process, which is not known to any third party. In addition, the client and server each have a counter C , and synchronize the count in advance

When validating, the client pairs the key and the counter (K,C) with the Hash based Message Authentication Code (HMAC) algorithm to calculate the one-time password.

The formula is as follows: $HOTP(K,C) = \text{Truncate}(\text{hmac-sha-1}(K,C))$

Hmac-sha-1 is used, and of course you can use hmac-md5. The HMAC algorithm has a large number of values, which is not convenient for user input. Therefore, Truncate is required to be a set of not too long decimal number (for example, 6 bits, and Steam is 5 bits). After the calculation is completed, the client counter C count is incremented by 1. Users to this group of decimal number input and submit, after the same calculations on the server and the user submits the numerical comparison, if the same, the verification through, the server will count 1 C . If not, the validation fails. Here's an interesting question is, if the validation fails or client accidentally made a generated password operation, between the client and the server of the counter C will no longer be synchronized, so you need to have a fresh

synchronization (Resynchronization) mechanism. For details, please refer to RFC 4226.

After the introduction of HOTP, Time-based One- Time Password (TOTP) is easy to understand. TOTP replaces the counter C in HOTP with current time T , so it gets a one-time password over time. Although the principle does not understand the obstacles, it is interesting to use time to replace the counter with some special problems. For example, what is the value of time T ? Because time changes all the time, if you choose a T that changes too fast (for example, the number of seconds to start at a certain point), then the user has no time to enter the password. If you select a change slowly T (for example, from the start at some point the number of hours), then the third party the attacker will have plenty of time to try all possible one-time password (6 digit one-time password only 10^6 combinations), reduce the security of the password. In addition, the slow change of T can lead to another problem. If the user need to login account for the second time in a short time, because the password is a one time cannot be reused, the user must wait until the next one-time password is generated to be able to login, which means that most need to wait for 59 minutes and 59 seconds, this is unacceptable.

Considering the above considerations, AladdinGalaxy chose 30 seconds as the time slice, and the value of T is the number of 30 seconds from the Unix epoch (00:00:00 on January 1, 1970). Second problem is that, due to network latency, user input lag factors, such as possible when the server receives the one-time password, T value has changed, and this will cause the server computing one-time password value is different from user input, the validation fails. To solve this problem by one method is to calculate the current server time slice and the n time slice in front of the one-time password value, as long as there is a same as the input from the user's password, through the verification. Of course, n shouldn't be too big, or it will reduce security. In fact, this method has another function. We know that if the client and server's clock is biased, it causes a similar problem to the above, which is that the password generated by the client is inconsistent with the password generated by the server. However, the

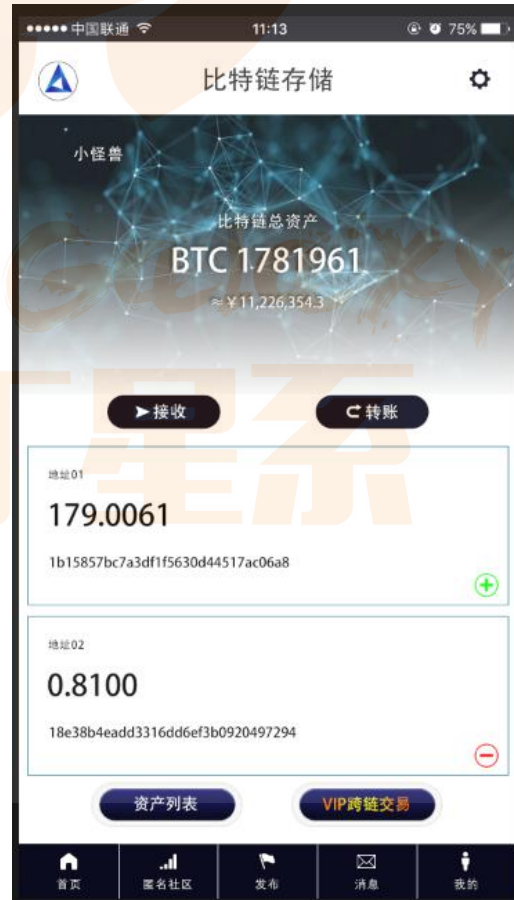
server knows the clock skew on the client side if the server computes the password of the previous n time slices and successfully validates it. Therefore, the next time the server is validated, the server can calculate the deviation directly, without having to do n calculations.

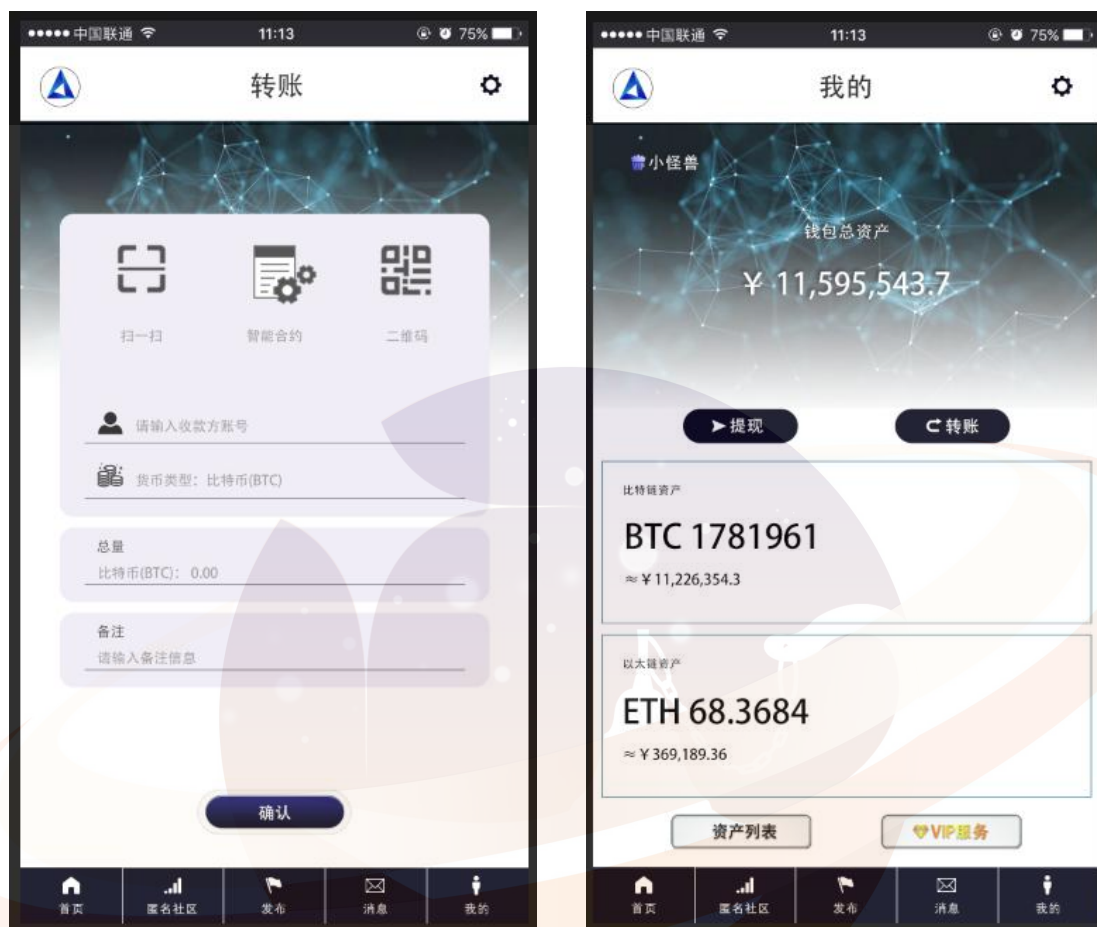
The principle is: each Abaosafe has a unique serial number, a built-in real-time clock that generates the current time, and the unique password that is built in. At work, the built-in password is connected to the current time in each minute, and the HASH operation is converted into a six-digit number, the dynamic password. On the server side, only the serial number and the built-in password of Abaosafe need to be saved in the database. The same operation can be used to obtain the same result as Abaosafe in the current time, so as to compare the login. Therefore, the server side can use the dynamic password of Abaosafe for automatic time pointer tuning. Let's say that the time unit is minutes and the current time is T . From Abaosafe, we assume that: Hash ($T - 1$) = = = 1234566 Hash (T) = = = 1234567 Hash ($T + 1$) = = = 1234568 on the server side, at this point, the pointer to time T and I look forward to receiving the password Hash (T) = = 1234567 at a time when, if the server receives the dynamic password is 1234566, is the corresponding Abaosafe password mistake. After 0.5 minutes, the Abaosafe will land again. As the clock slows down one unit, the password is hashed $((t-1) + 0.5)$, which is hashing $(t-4.5)$. For the server, due to the last correction (the pointer has moved back to one unit), it is expected to receive a Hash ($T-0.4$) value. According to the above, you must get an Abaosafe algorithm + serial number + internal current time + built-in password can be cracked, in fact, there is no solution at present.



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3.2 Multi-currency cross - chain payment

Consensus mechanism is the soul of the chain of blocks, and across the chain technology is the key to realize the value of network, cross chain technology can scatter the chain from single isolated information island and integrate the difference value chain, is the key to the chain block industry development and Bridges.

AladdinGalaxy offers two parallel and progressive cross - chain payment options, namely double-account scheme and relay-chain scheme. The double-account scheme can provide traders with sufficient liquidity at the present stage of the development of the industry, effectively guaranteeing the transaction value of both parties. The transmission chain scheme can solve the problem of real-time value transmission between the chains without the need of public authorization, so that EOS can interact with any other chain.

3.2.1 Double account scheme:

Similar to Ripple, Stellar, Circle, AladdinGalaxy for trading of the sender and the receiver provides a trusted third party security, by AladdinGalaxy safeguard their assets to the sender, only when the book received proof, and the recipient to confirm received payment, will be the transfer of assets to the acceptance. AladdinGalaxy also guarantees that the acceptors, once they have completed the final part of the agreement, will receive the sender's assets.

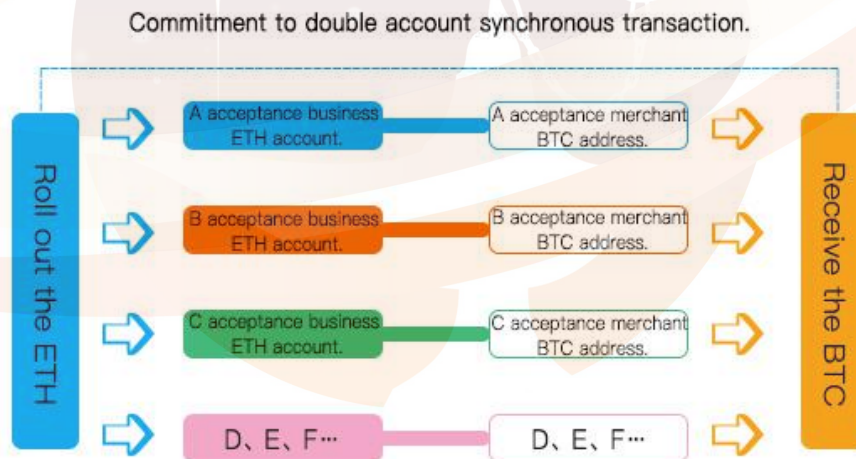


Figure 1: The example in the figure is a double-account conversion mode of the acceptance.

As shown above, we introduced the acceptance double-account synchronous trading mode. Under the premise of account private storage, the liquidity of currency exchange is ensured. This paper briefly introduces the process of currency conversion in double-account mode. The process is shown below:

(1). The user initiates ETH to BTC request, then Aladdin receives the order and broadcasts the order to ETH/BTC acceptance group. When the acceptance receives the broadcast, the information is returned to the user, and the user's signature is

transferred to ETH. At the same time, the acceptance BTC account is transferred from the BTC to the user BTC address according to the best exchange rate of the acceptance group;

(2). In this conversion process, Aladdin is in charge of dynamic control of rejection rate and related order attack risk control.

(3). The user and the acceptance sign first, then verify whether the order (the latest status) is actually done. If the transaction is not possible, the conversion transaction is terminated, and the exchange of coinage is needed to be renewed (the probability is extremely low in theory).

(4). Aladdin listens for new blocks and new conversion data under the chain, updates the order table based on these data, and continuously makes new acceptance.

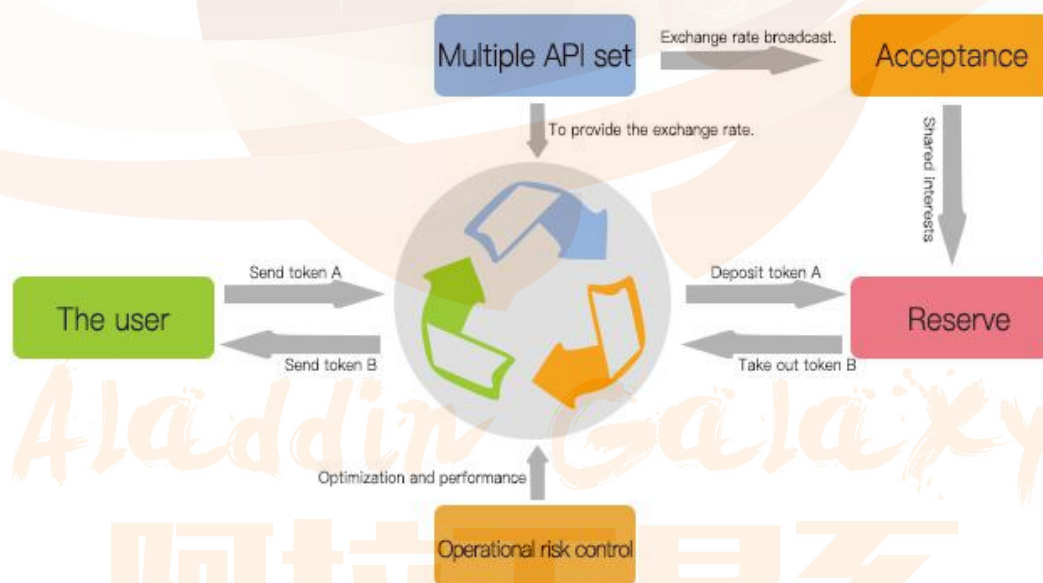


Figure 2: AladdinGalaxy interactive diagram.

As shown in figure 2: the active participants in AbaoNetwork are divided into five roles:

- (1). Users who send and receive tokens in the network.
- (2). The users of AbaoNetwork include personal users, smart contract accounts and merchants.

- (3). Provide a liquidity (one or more) reserve entity for the platform.
- (4). To provide funds for the reserve entity and share the contribution of the platform's profits.
- (5). Maintain reserves, determine exchange rates and report the ratio to the reserve managers of AbaoNetwork.

The AbaoNetwork operator is responsible for adding, deleting, and listing tokens in the network.

Each activist interacts independently with a smart contract in a different way. The user sends and receives tokens simultaneously in a single transaction without waiting for any response from the reserve entity or from the AbaoNetwork operator. The AbaoNetwork operator is responsible for adding and removing reserves. The reserve manager determines the new exchange rate and provides the rate to the contract for each fixed period (typically a few seconds). The main contract relies on a reserve entity to ensure high liquidity.

The application of AbaoNetwork includes itself as an exchange that can execute transaction requests in time and will not hold users' tokens to avoid the theft or loss of tokens. In token exchange, through smart contracts, users can use any of their favorite cryptographic tokens to pay for any product or service.

3.2.2. Relay-chain:

Transmission chain of design concept is based on the EOS high scalability, and trade on the distinction between sponsors and trade execution confirm trade execution mode and transaction records, on the basis of the relay-chain involved in the solution across chain matching, sending and receiving information.

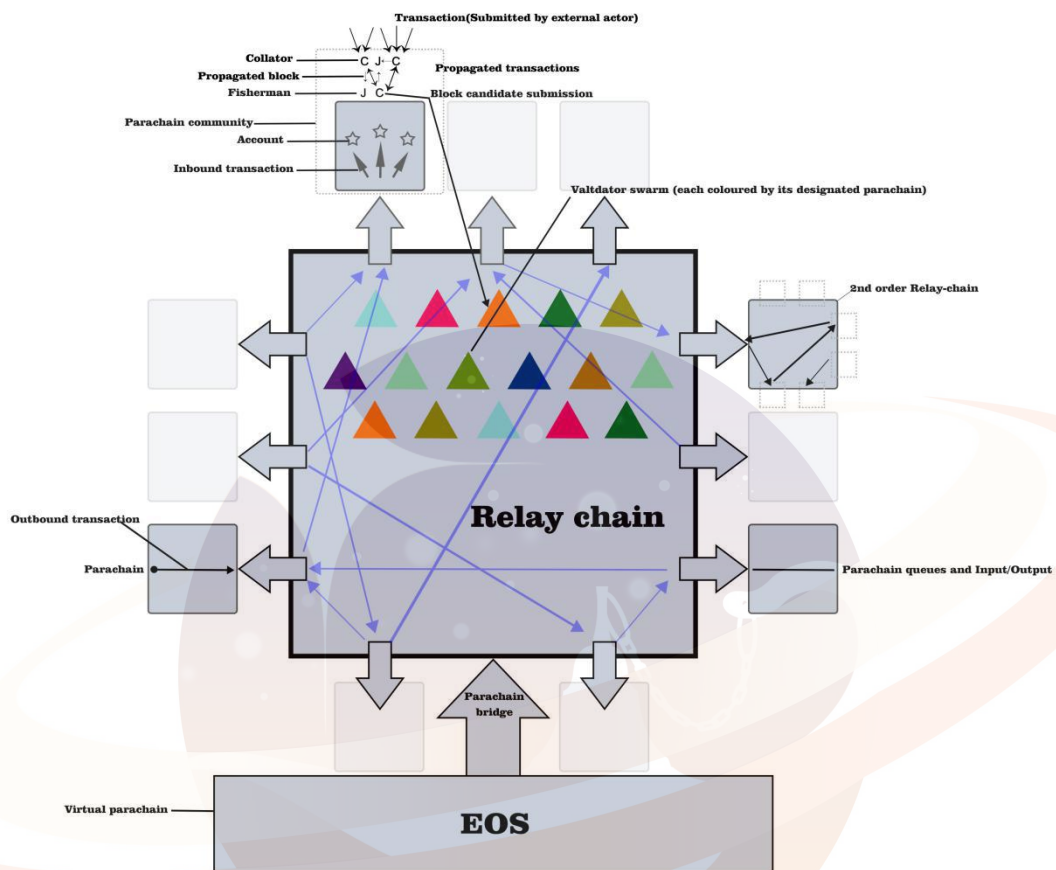


Figure 3:Relay-chain cross-chain by transaction

As shown in figure 3, AladdinGalaxy creates a pass-through block chain based on EOS through a parallel link bridge, where the token holder has a core control over the protocol. After each of the other chain of transmission chain is connected miners exclusive privileges will be allocated to the transmission chain of participants, and AladdinGalaxy transfer chain token holders rights through its master the chain between the value of direct exchange, so as to complete the EOS digital encryption AladdinGalaxy based on the basis of the whole chain currency swap.

In the AladdinGalaxy transmission chain, the holders of tokens have been freed from the patterns of trust that require each chain, so they can create more applications: as an exchange that can execute transaction requests in time and will not hold users' tokens to avoid the theft or loss of tokens. In token exchange, users can use any of

their favorite cryptographic tokens to pay for any product or service by using a smart contract to perform transactions.

Other applications of AbaoNetwork include: Introducing derivatives in the form of futures and options to provide an alternative solution to the problem of price fluctuations between tokens. Financial derivatives such as swaps are introduced to ensure transparency and security of quotes. Futures (Futures is a contract whereby the parties agree to trade assets at a specified price in the one day of future. When some users need to exchange tokens -- for example, from Abao to ETH -- to prepare for the upcoming private placement. Users can buy ETH in the current market price, or they can buy futures contracts to offset the risk of the price fluctuation of ETH as a viable alternative.) Option (Option contracts allow users to pay a fee to hedge against adverse price changes. Users who plan to buy or sell an encrypted asset in the future can buy a call or put option by paying an option fee.)

3.3 Anonymous community

AladdinGalaxy provide a based on the user follow relationships between anonymous communication community services, to meet user demand for communications privacy, communication helps users to eliminate blind Angle, to achieve more valuable communication. Valuable anonymous communication can produce potential social relations, AladdinGalaxy will combine mobile positioning function to inspire the potential of social relations, formed in the offline conversion useful social relations, effective social relations will produce credit, credit can ensure the reliability of the trading in otc. As the trade continues, the credit of the user accumulates, and the accumulated credit of the user increases the stickiness of AladdinGalaxy.

In order to solve the community more account brush and malicious evaluation problem, maintain good anonymous community communication environment, AladdinGalaxy through innovation of reputation mechanism to implement two-way encouragement with rewards and punishment. The core advantage of reputation

system is based on verifiable shuffling and associated in signature technology, can under the premise that does not require user identity, complete the anonymous user reputation, avoid the loss of customer loyalty while increasing the user participation.

Reputation system working mechanism is composed of the sending and feedback of multi-round messages. At the beginning of each round, the server maintains a long-term database identity with all clients and their respective encrypted reputation scores. In each round, the server runs the scheduling algorithm based on the verifiable reshuffle protocol, turning the reputation list into an anonymous permutation list based on one-time pseudonyms and the corresponding clear credit score. We use decentralized scheduling protocols, and neither the server nor the client (except the owner) can associate a one-time false name with a long-term identity. The client publishes the message anonymously using a one-time pseudonym. Servers can associate these messages with their corresponding reputation scores without knowing the client's sensitive information. Each client will then provide feedback to other users (such as voting). Each vote is signed with an associated ring signature so that the server can verify that each customer votes only once and does not reveal which customer submitted the ticket. This design allows the server to be unable to associate voting with a long-term identity when counting positive and negative votes. Finally, the feedback information from the server according to the one-time pseudonym update credit rating, then execute the "reverse scheduling", will these one-time pseudonym and updated the reputation of the restored to the original long-term identity and update their encryption reputation score.

基于可验证洗牌和关联环签名技术

匿名声誉计算

奖励和惩罚机制





IV. Currency use and users

AladdinGalaxy Token

The AladdinGalaxy community USES a unified Token (ABAO) to promote the flow of system resources and to motivate and maintain the sustainable development of AladdinGalaxy. ABAO is a network token that conforms to ERC20 standard, and ABAO will be converted to EOS network when the EOS main network is launched.

4.1 The external security storage user USES Aladdin security lock product's flow rate.

It mainly focuses on the traditional authentication methods such as SMS authentication and mailbox authentication for customers who need third-party certification. Users: uncoinex.com, tokenfan.com, etc.

4.2 Currency conversion fuel currency in the platform.

This function is similar to exchange platform tokens, aimed at customers with exchange requirements based on storage.

4.3 Create social security deposit and self-defined margin for setting the rules after reading.

Anyone can set conditions after pay a certain amount ABAO margin to create two free anonymous community outside of the community, community group of the Lord is to pay a certain amount ABAO margin after can set the rules of the burn after reading, otc users within the community exchange encryption currency deposit and fees.

4.4 High quality fund online preemptive right, Aladdin fund product subscription and redemption fee.

Release parts in the wallet quality encryption digital currency fund product subscription order according to ABAO tokens, holdings and time priority ranking, all at the same time inside the wallet encryption product digital currency fund

subscription and redemption fees in ABAO.

4.5 AladdinGalaxy incubation project denomination currency.

The quality projects incubated by the Aladdin Foundation are denominated in ABAO. The signed projects include but not limited to: name creation, boutique shopping guide, good luck entertainment, organic tea garden, Chinese new singing karaoke, etc.

4.6 Other USES

V. Project realization and plan

5.1 Project scheme

2017.05-06: establishment of digital cryptographic currency security alliance community in Singapore; AladdinGalaxy project planning and preparation;

2017.07-09: Aladdin safety standard and cross-chain plan formulation and technology research and development, application test;

2017.09-11: official website, white paper 1.0, APP successively launched internal measurement, iteration;

2017.11-12: market preheating and business cooperation, BD/Marketing/ user resources and other reserves;

2018.01-02: private placement, and global community promotion;

2018.03-05: wallet 2.0 version packaging inside;

2018.06-12: more than 1000000 BTC storage size scale, gradually building into the industry's biggest anonymous community, the community every day more than 6000 BTC OTC transaction volume of the equivalent, cross chain volume more than 100000 BTC equivalent per day.

2019.01--: the official website is released in succession.

5.2 Source-opening plan

After releasing the Aladdin public chain, source code will be published on github,

and a certain proportion of awards will be given to code contributors.

5.3 Recruitment plan of tokens

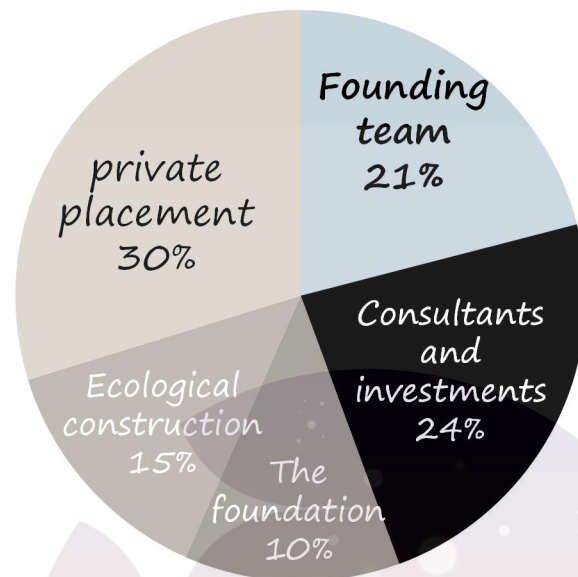
To support the technical development, research and business cooperation of AladdinGalaxy, the Aladdin foundation has the following plans for some tokens:

5.3.1.The token ABAO will be produced before AladdinGalaxy is officially released, by the Aladdin Foundation. Aladdin Galaxy is responsible for the sale of tokens.

The specific rules and information for the public sale of ABAO are published by the official website www.abao.im.

5.3.2.Allocation plan:

Token amount	8800000000 ABAO
Founding team	21% ABAO
private placement	30% ABAO
Consultants and investments	24% ABAO
The foundation	10% ABAO
Ecological construction	15% ABAO



VI. Disclaimer

6.1. This document is the Aladdin team. For the planning of platform business and token function, the Aladdin team may adjust the actual business development plan according to the requirements of industry development and policies and regulations.

6.2. ABAO tokens can be used to exchange various services of platform, and our team may add or adjust the exchangeable service contents based on business development requirements.

6.3. The price of ABAO tokens will be determined by market transactions, and users may make profits or suffer losses for the increase and decrease of its prices when buying and holding tokens. The team does not promise or guarantee the future price of tokens.

6.4. As a new investment field, blockchain has high investment risks and expected income. It is necessary for users to fully evaluate investment risks so as to invest prudently within the range of their tolerance.

References

- [1] David Schwartz, Noah Youngs, and Arthur Britto. The ripple protocol consensus algorithm. Ripple Labs Inc White Paper, 5, 2014.
- [2] Fabian Schuh and Daniel Larimer. Bitshares 2.0: Financial smart contract plat-form.
- [3] <http://tools.ietf.org/id/draft-mraihi-totp-timebased-06>.
<http://code.google.com/p/google-authenticator/>
<http://blog.seetee.me/archives/73.html>

Thanks!

Aladdin Galaxy
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