AAABABY COMMUNITY

a decentralized young mom and child community which bases on EOS and IPFS

(be called for short : AAABaby Token’ s name:AAAB)

Andy，Peter，James，Forrest，Mike

Disclaimer: This AAABaby young mom and Child Community White Paper (Version 1, July 12, 2018) is an ongoing work and is for informational purposes only. It is not recommended as any investment, nor is it any compensation for investment losses made by any individual or entity.

Catalogue

1. Background

At present, there are many mother-infant communities or young mom and child e-commerce platforms based on traditional centralized networks, and they accumulated a lot of core users. They have accumulated a lot of core users: “Mom”, they are also the core assets of these websites. Understanding from a technical perspective is "flow." The platform is the monopolist of these traffic, merchants must pay more for the platform in order to win higher product exposure and more orders. Therefore, the competition between merchants will be extremely fierce. Over time, many unscrupulous merchants will emerge. They will unscrupulously improve their rankings. At the same time, they will need to pay more fees to the platform, and even create a large number of fake orders: "brushing orders." What is more serious is that these businesses are not lacking providers of inferior goods, and the victims are often hurt by the poor "mother."

Emerging blockchain technology makes it possible to create an incentive peer-to-peer network by publishing, voting and participating in the construction of community content. Participants in the network obtain tokens for planning and submitting content to the database, then use these tokens to vote on protocol upgrades and further submit or modify the article database. Organizations or individuals can build their own user interfaces to interact with a network or part of the network. This allows websites and applications to access and collaborate on a synchronized human knowledge database, which is a "great knowledge sharing" that is constantly updated by all participants and applications on the community.

We propose a blockchain system operated by community autonomy. She is targeted at young moml and child-related fields, and mothers with children between 0 and 10 years old are at the core of our community. Mothers can be pictures, short videos, etc. by publishing her life to raise children. Members of the community vote to produce super mothers, and super mothers can get AAAB tokens for free.

2. Introduction of AAABaby

AAABaby is a young moml and child community based on the third-generation blockchain representing EOS as the underlying technology and operated by AAAB token members. Mothers can get the token free of charge by publishing the theme of raising the child, voting by the members of the community, and running for the super mother. The community is completely managed by token holders, who can approve modifications, create network rules governing the community, and purchase and sell network tokens. This also means that tokens play a central role in the consensus

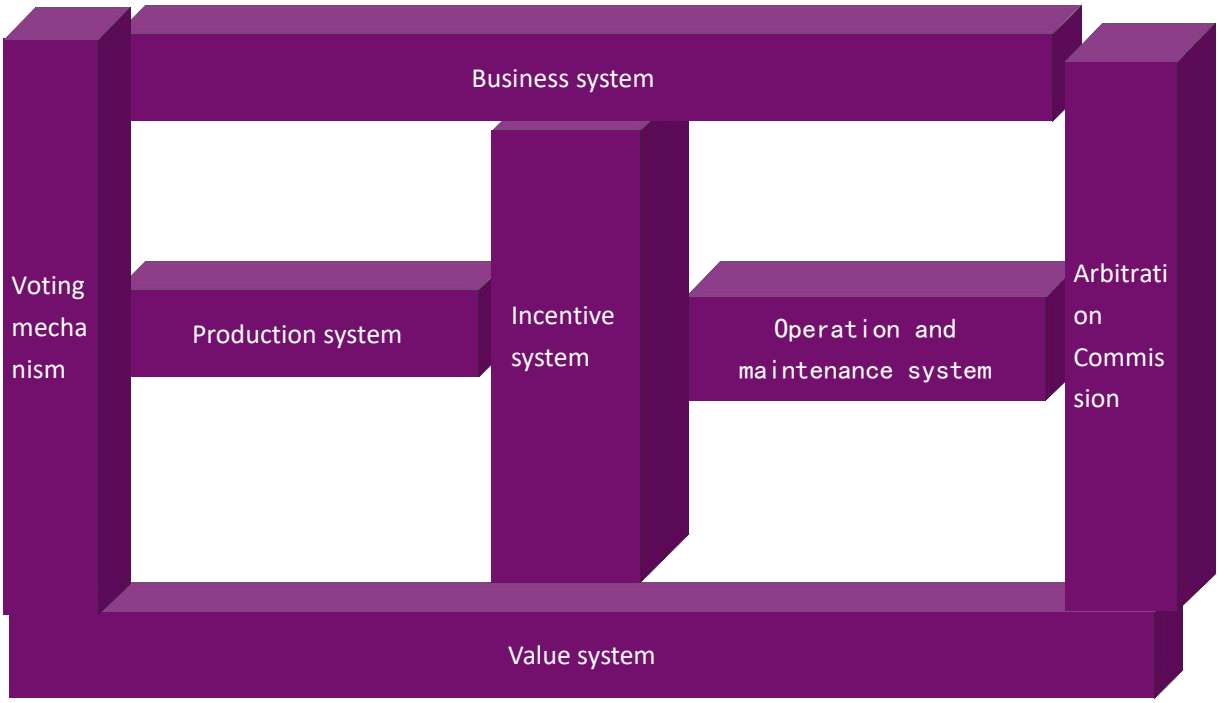
agreement that ultimately determines the data entry network. As the community grows, the community will increase the advertising system, e-commerce system, etc., so as to maintain a benign circulation of tokens and ensure the sustainable development of the community.

3.Solution

3.1 Community composition

The AAABaby project is not based on the traditional corporate organizational structure but is operated in a community way, with the technical development team and the operating organization separated. The landing operation of the project was initiated spontaneously by the community. The community is mainly composed of production system, operation and maintenance system, incentive system, business system, governance system and value system.

(Logical relationship diagram of community systems)



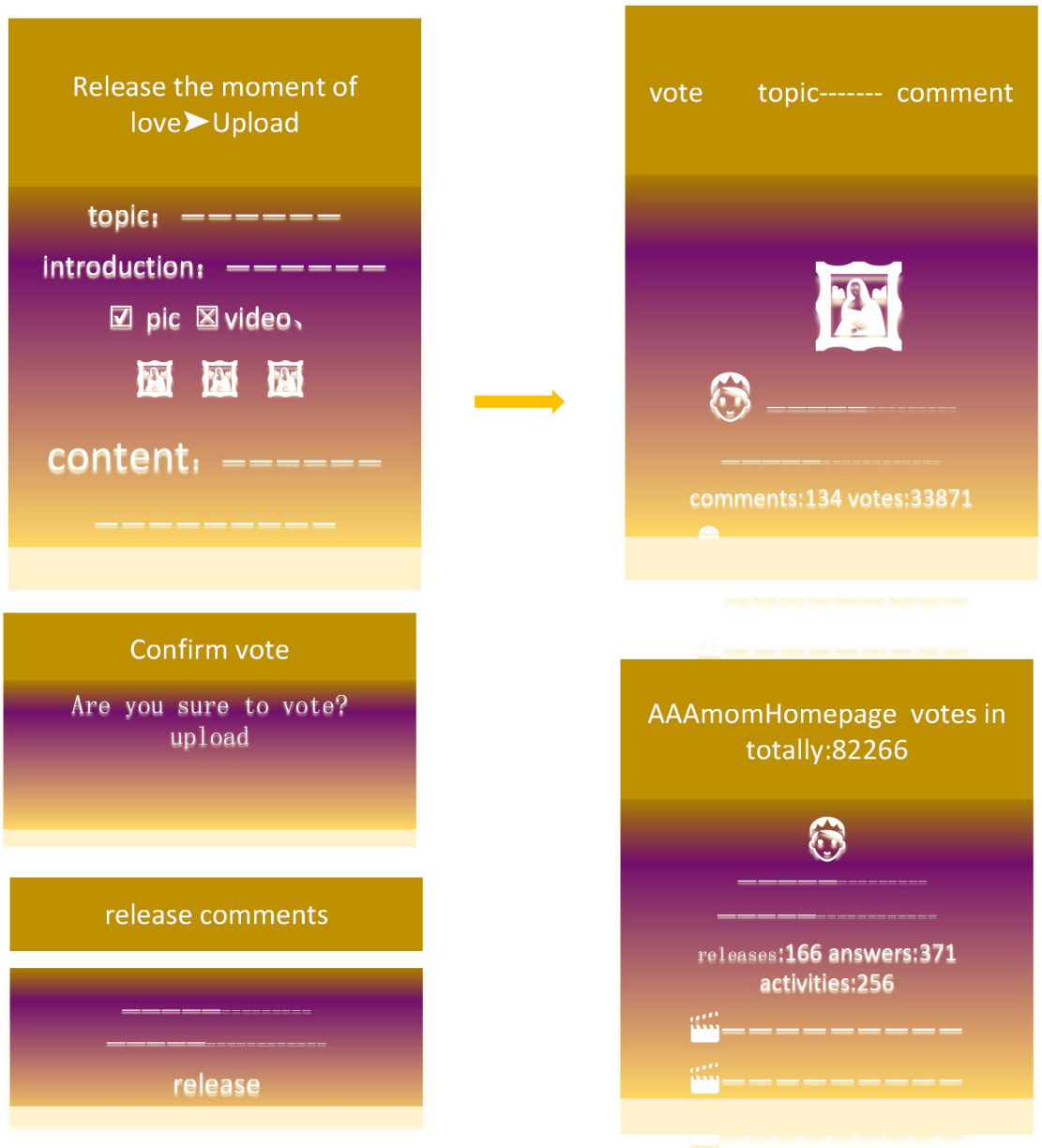
production system

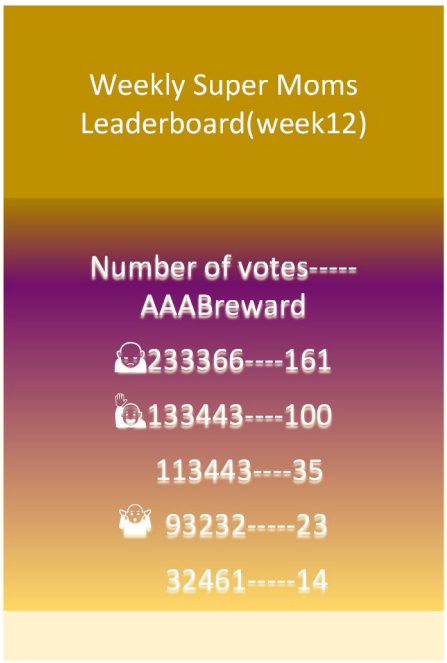
The production system refers to the content generation mode of the community. The author is limited to members of the AAABaby community (members of the EOS main network holding AAABaby tokens), including “the moment of love”, “Q&A” and “offline activity".

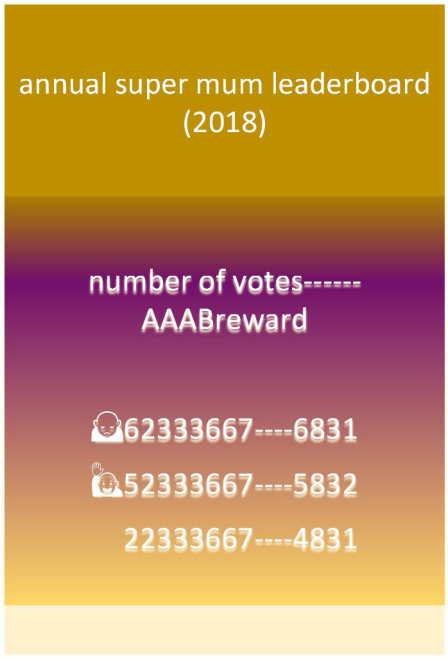
The moment of love:

Moms post short videos and pictures of cute, touching, and sentimental in children's daily life learning to the community's sidechains and IPFS nodes. Each piece of content receives a certain amount of the original AAAB reward based on the number of votes cast. A super mother (the highest total number of votes) is produced every seven days, and a certain amount of the original token AAAB is awarded to the super mother. Each year, three super mothers (the top three highest votes in a year) are awarded, and a certain number of native tokens AAAB are awarded to the three super mothers (Crown Mother, Golden Crown Mother, Silver Crown Mother).

Specific operational progress / function diagram:

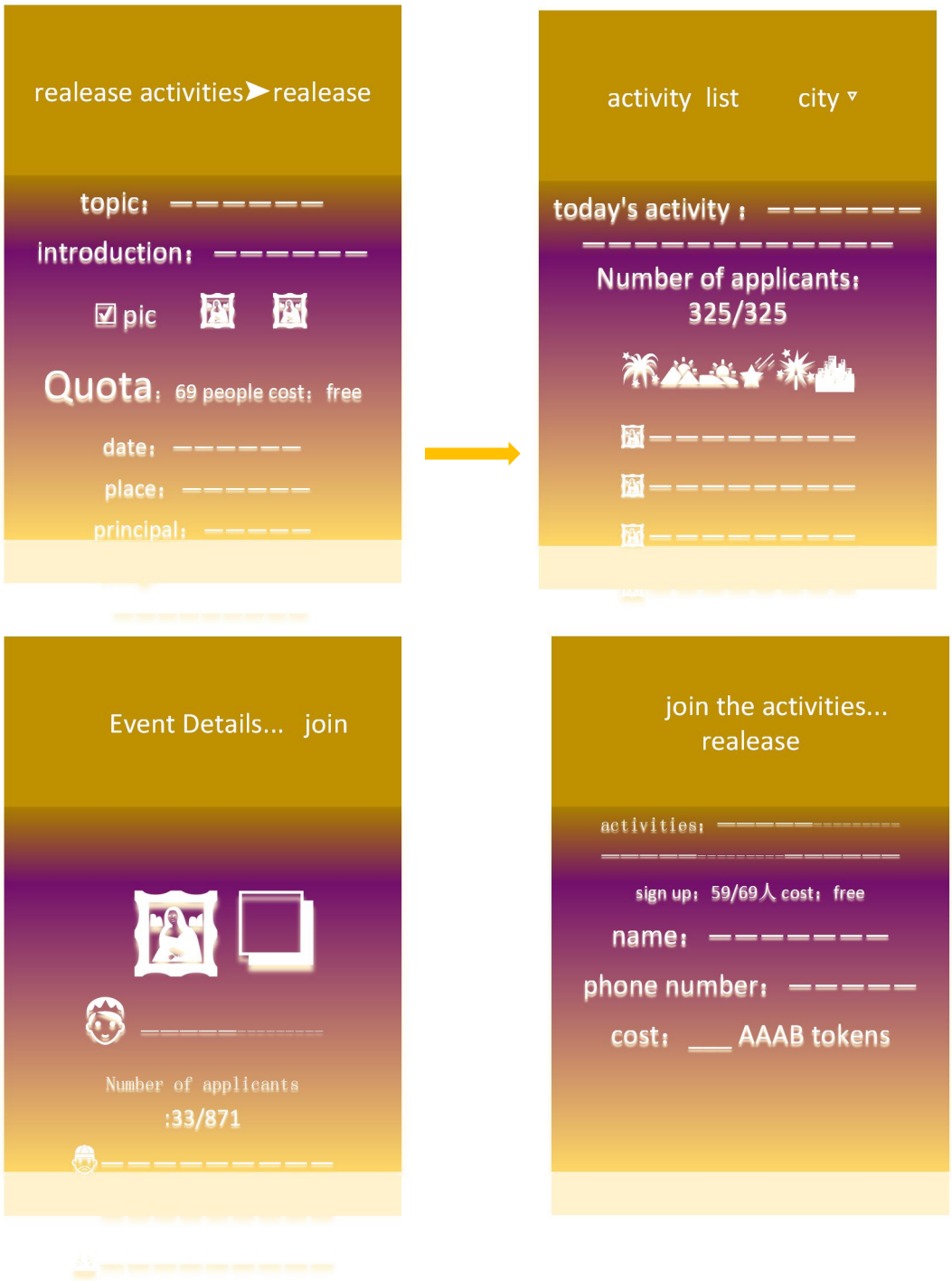






Offline activities:

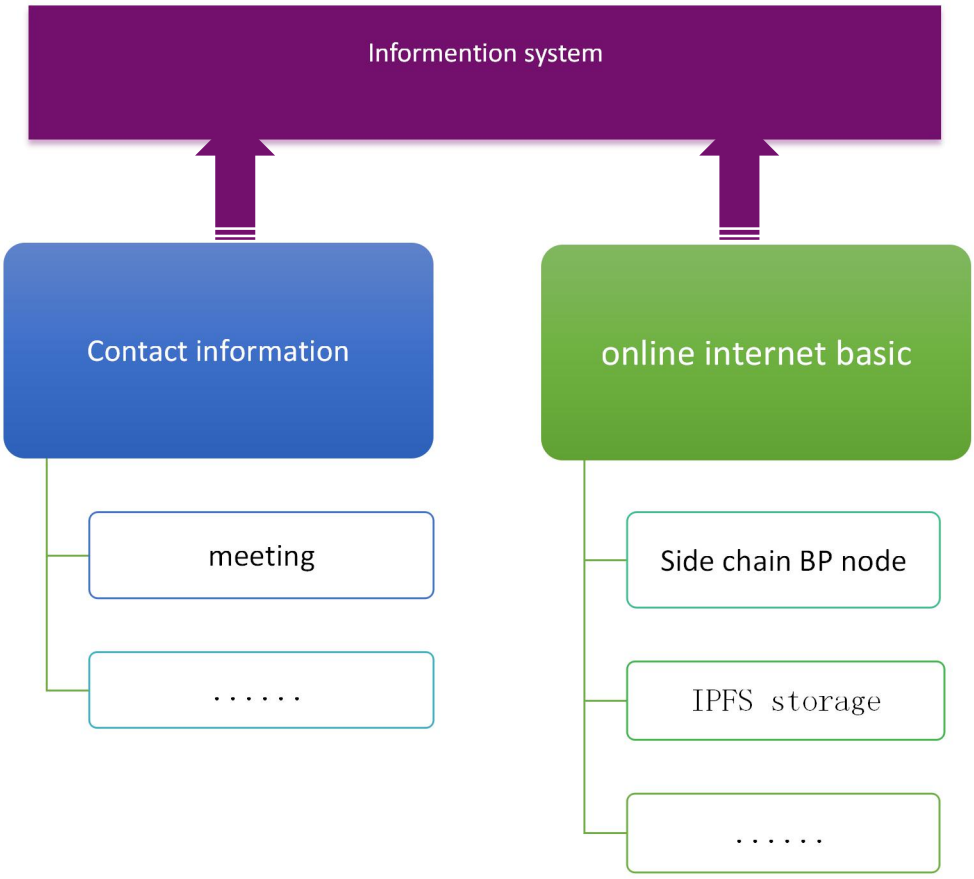
an important part of the operation and maintenance system, which is responsible for the major city service providers in the world. He or her from the community voting campaign, the total number of less than 500, the main responsibility is to promote the AAABaby community, carry out offline activities, and deliver community values. It is necessary to do the preparation and preparation of the pre-activity, and release at least two offline activities every month. It is necessary to release the activity content to the community's sidechain and IPFS nodes in advance. Then, according to the scheduled date, the mothers will be called to participate in the offline activities, and the mothers who have not joined the community will understand the operation mechanism of the community, encourage new mothers to join the community, publish video and pictures to participate in the super mothers, and receive tokens reward for free. Let the mothers who have joined the community share parenting experiences, feelings, happiness, mutual learning and common progress. Reward a certain number of native tokens AAAB to the service provider each month.



Submit your answer. The questioner determines the answer (payment token) once the question is answered, the question can no longer be accepted to answer.

Operation and maintenance system：

It includes various support activities for offline activities of various city service providers and IPFS storage for super nodes and large files on the online side chain.



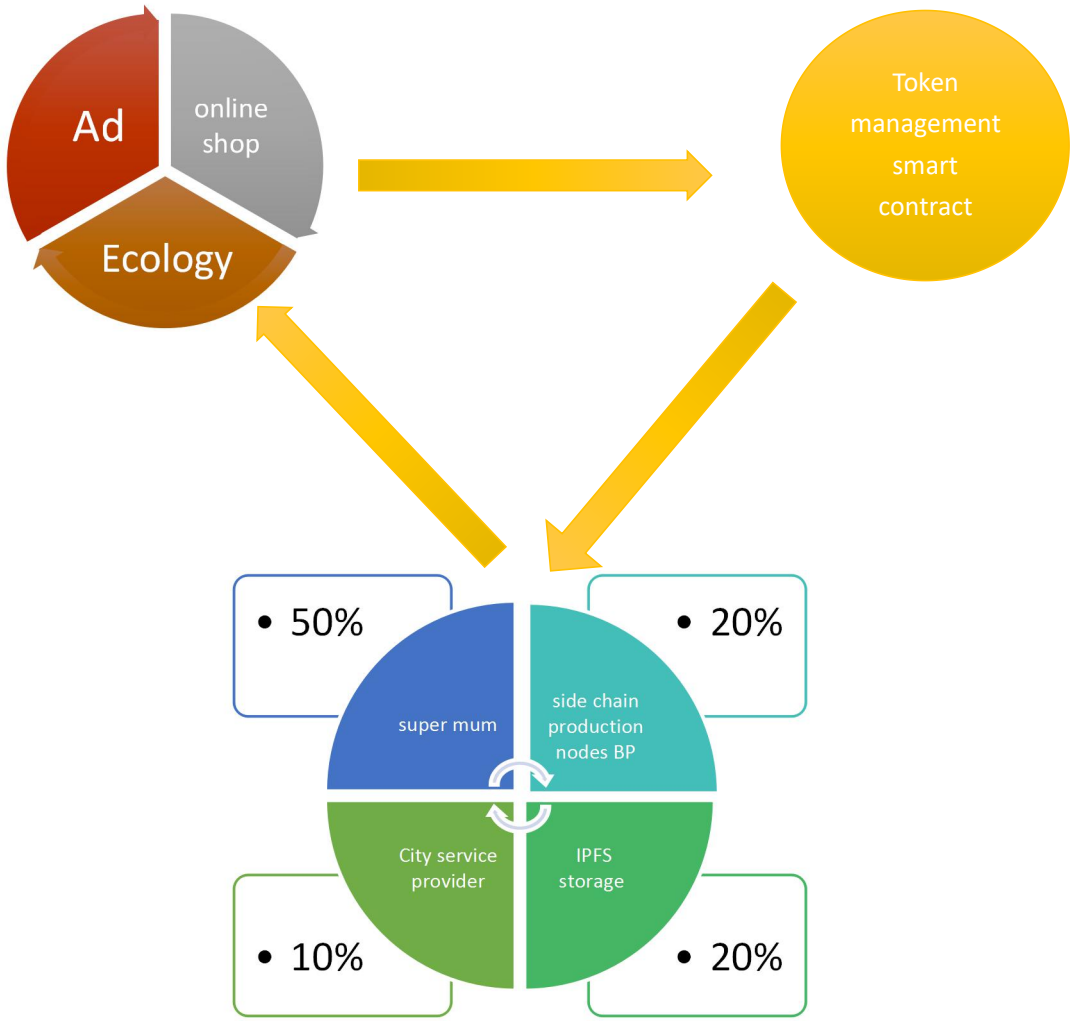
The city service providers are elected from the community voting campaign, with a total of less than 500. The service qualifications and service standards of the service providers are formulated and promulgated by the community governance system. The side chain BP super node is consistent with the EOS main network operation rule. 21 production node and 100 alternative nodes are generated by voting. There are 500 IPFS storage nodes and 1000 standby nodes, all of which are generated by voting. Server configuration standards and network bandwidths for BP nodes and IPFS nodes are formulated and promulgated by the community governance system.

Incentive system：

Since the project adopts the community operation mode, most of the system modules are jointly participated by the community members, and the scientific incentive mechanism is a necessary condition for ensuring the normal development of the system. It mainly includes city service providers, super mothers, side chain production nodes BP and IPFS storage nodes.

The tokens required by these motivated objects are derived from the system's additional issuance. The system's annual increase of less than 5% of tokens will not cause serious inflation. As the community grows, the value of advertising, e-commerce and ecology will increase significantly. It will significantly increase the demand for tokens and increase the circulation rate of tokens. In addition to retaining a certain amount of income for the sustainable development of the community, the remaining tokens can be considered for destruction, thus offsetting a certain degree of inflation.

Incentive mechanism logic diagram:



City service providers:

Each year, 5% of the tokens are issued, and 10% of the tokens are used to pay the rewards of local service providers (less than 500). After voting for qualified service providers, the service providers are based on service standards. The group will improve the corresponding service, the service record will be saved to the side chain, and the corresponding token will be issued every month (first service and reward). The service provider needs to apply for it (the interface is automatically connected to the EOS main network, automatically according to the previous EOS main network). Deployed smart contract execution).

Super Mom:

5% of the tokens are issued each year, 50% of which is used to pay the super mother's reward. Each item must get 10 votes (one ticket per token) to get the reward of the original token AAAB. . A super mother (the highest total number of votes) is produced every seven days, and a certain amount of the original token AAAB is awarded to the super mother. Each year, three super mothers (the top three highest votes in a year) are awarded, and a certain number of native tokens AAAB are awarded to the three super mothers (TOP Crown Mother, Golden Crown Mother, Silver Crown Mother). The specific details are further enacted by the governance system organization.

Side chain production node BP:

Among the 5% tokens issued each year, 20% of the tokens are used to pay the side chain production nodes. The basic rules are similar to those of the EOS main network. It also requires 21 production nodes and 100 standby nodes.

IPFS storage node:

Each year, 5% of the token is issued, 20% of the token is used to pay for the IPFS storage node, and the service record is saved to the side chain. Since the storage node needs permanent and uninterrupted access, the service is rewarded with the first service. The rules are issued once a month, and the storage node service provider needs to apply for it (the interface is automatically connected to the EOS main network and automatically executed according to the smart contract previously deployed on the EOS main network).

Business system

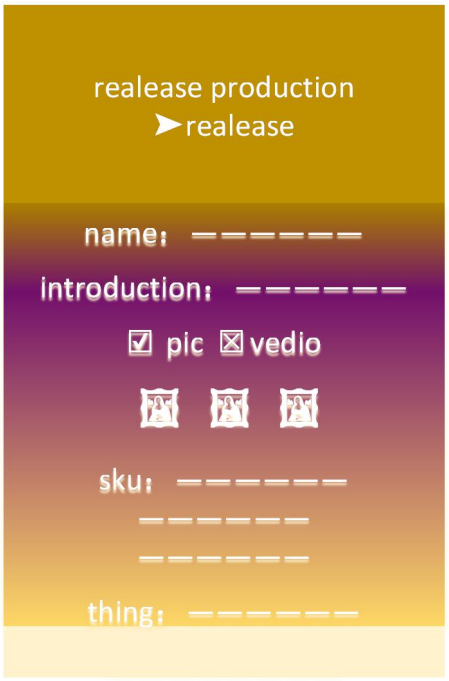
The business system is a functional module established to realize the profitability of the community, mainly including the advertising system, the e-commerce transaction system and the brand eco-evolution system. All business modules are set to AAAB or EOS and other tokens for payment collection methods,

and other legal currency is not supported. The launch of the business system requires an appropriate time. The number of people in the community and the influence of development should reach a certain scale. It is the mid-to-late development plan of the community.

Ad delivery system: Members who hold tokens can choose where to place (usually on the detailed page of the production system content display) and time, and finally complete the payment token.

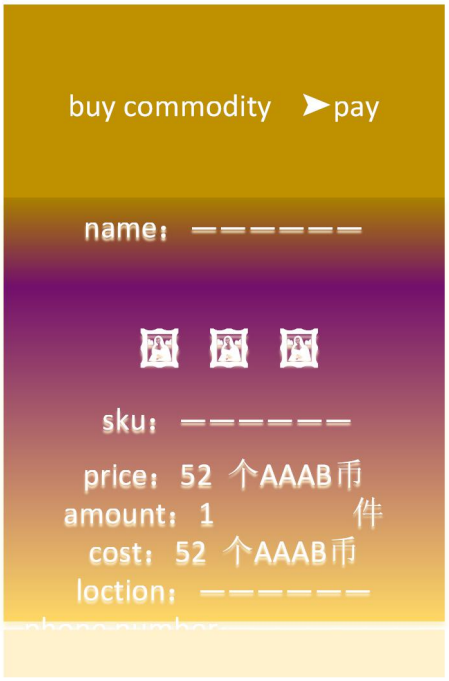
E-commerce system:

Members who hold tokens can issue merchandise related to young moml and child sales without any fees. The order of the merchandise placements is determined by the buyer's vote (the more votes are obtained, the higher the votes are). Members can pay for the purchase of tokens, and the community does not charge any transaction or handling fee.

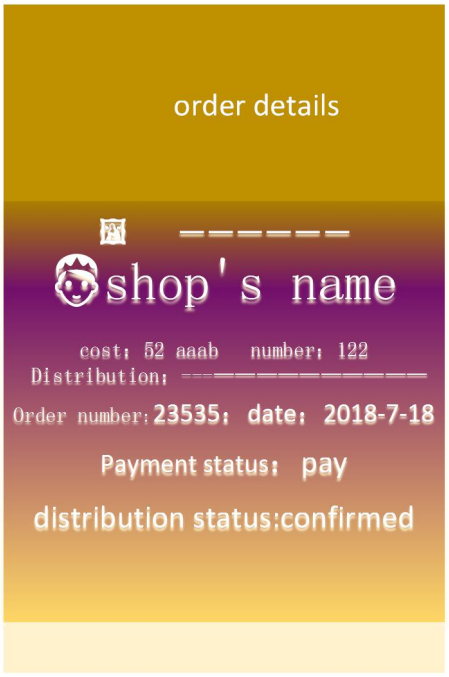


Release Product

Product Details



Purchase product



order

Brand eco-evolution system:

According to the development degree of the project, detailed planning is waiting for update.

Governance system

It consists of a community voting rule system and an arbitration committee. The voting rule system is mainly developed by the community's development team. The calculation formula for each module involving voting will be published in the github, telegram and community related columns.

Voting rules and reward calculation methods: one ticket per token

City service provider:

Eligibility for the election: recognition of the values of the community, dedication

Selected criteria: number of votes = total token * 5% * 10% * 70% / 500

Monthly issue token = total token * 5% * 10% * 70% / 500 * 12 + number of activities.

Side chain BP operation and maintenance quotient:

Eligibility for the election: Recognize the values of the community, dedication, server configuration and bandwidth requirements, waiting for the side chain to be announced before the launch, the annual input cost per node does not exceed 20,000 US dollars.

Selected criteria: number of votes = total token * 5% * 20% * 70% / 21

Daily issue token=total token*5%*20%*70%/21*365

IPFS operation and maintenance vendor:

Eligibility for the election: Recognize the values of the community, dedication, server configuration and bandwidth requirements, waiting for the sidechain to be announced before the line is launched, the annual input cost per node does not exceed 10,000 US dollars.

Selected criteria: number of votes = total token * 5% * 20% * 70% / 500

Token monthly = total token*5%*20%*70%/500*12

Super Mom:

Eligibility for the election: recognition of the values of the community, love of life, willing to share dedication

Selected criteria: The number of votes per content is greater than or equal to 10 votes

Each item is issued token=total token*5%*50%*70%/365*n+total votes

(n is the number of votes for the day that the number of votes exceeds 10)

Weekly super mother issues token=total token*5%*50%*20%/12*4

Every year Crown Super Mom issues token=total token*5%*50%*10%*50%

Every year golden crown super mom issue toke=total token*5%*50%*10%*30%

The annual silver crown super mother issues token=total token*5%*50%*10%*20%

The Arbitration Committee is the top 10 super moms, city service providers, side chain BP operators, IPFS storage node operators and merchandisers, and the top 10 advertisers who have placed the number of tokens before holding the number of tokens. 10 community members and community voting rule designers. Have the right to arbitrate major events in the community. Including but not limited to the following events:

1. Complaint or review and deal with the release of content, activities, advertisements, and product information.

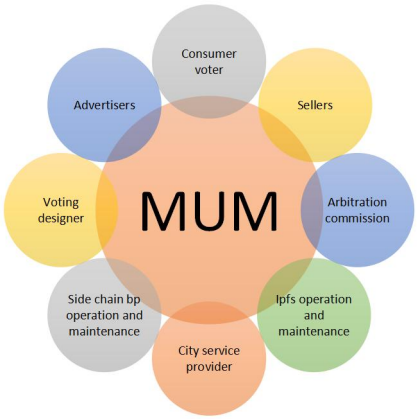
2. Handling security incidents such as the loss of member tokens due to community mistakes.

Value system

Let mother’ s love touching everyone is our founding value concept and the consensus of all members of our AAABaby community. Even if this is a human or philosophical category, perhaps we are a great initiative, the first humanistic concept. Knowledge is integrated into the blockchain technology, and an attractive incentive mechanism is used to realize the digitization of the value system. The digital value of humanity is the embodiment of our value system.

3.2 **Community members**

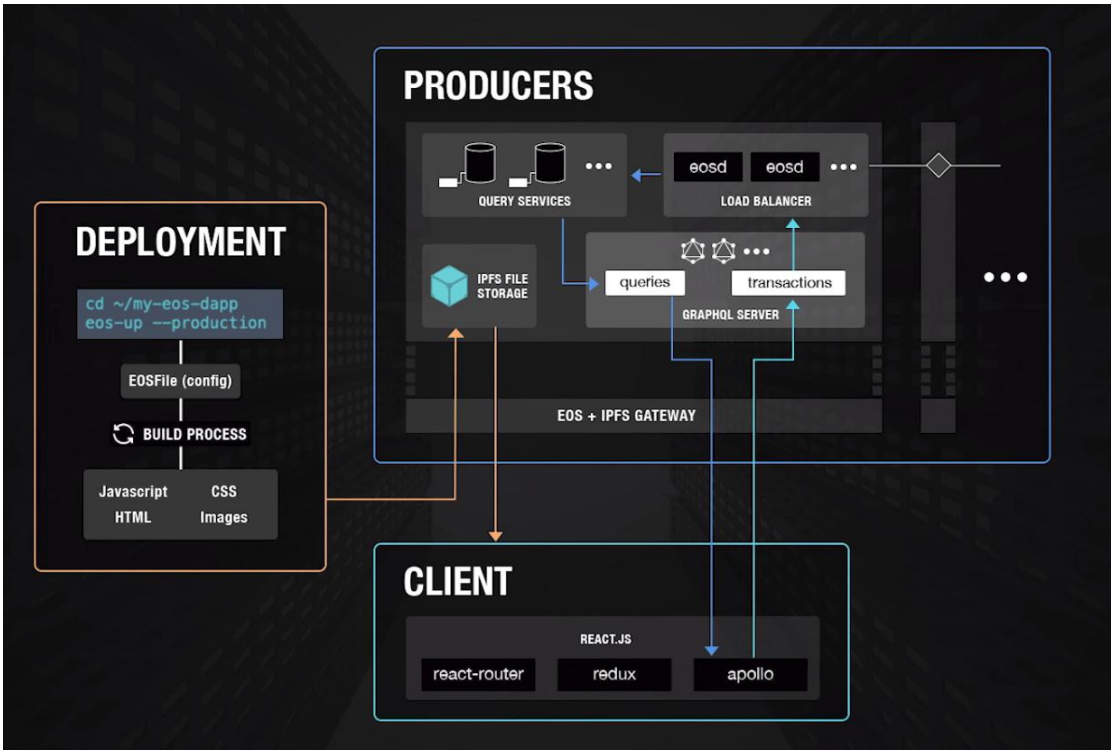
Community members are the builders, participants, and maintainers of the community, including: mothers, city service providers, side chain bp operators, ipfs storage node operators, advertisers, commodity vendors, voting rule designers. , the Arbitration Commission and other voting or consumer participants.



Community member graph

4.technical solutions

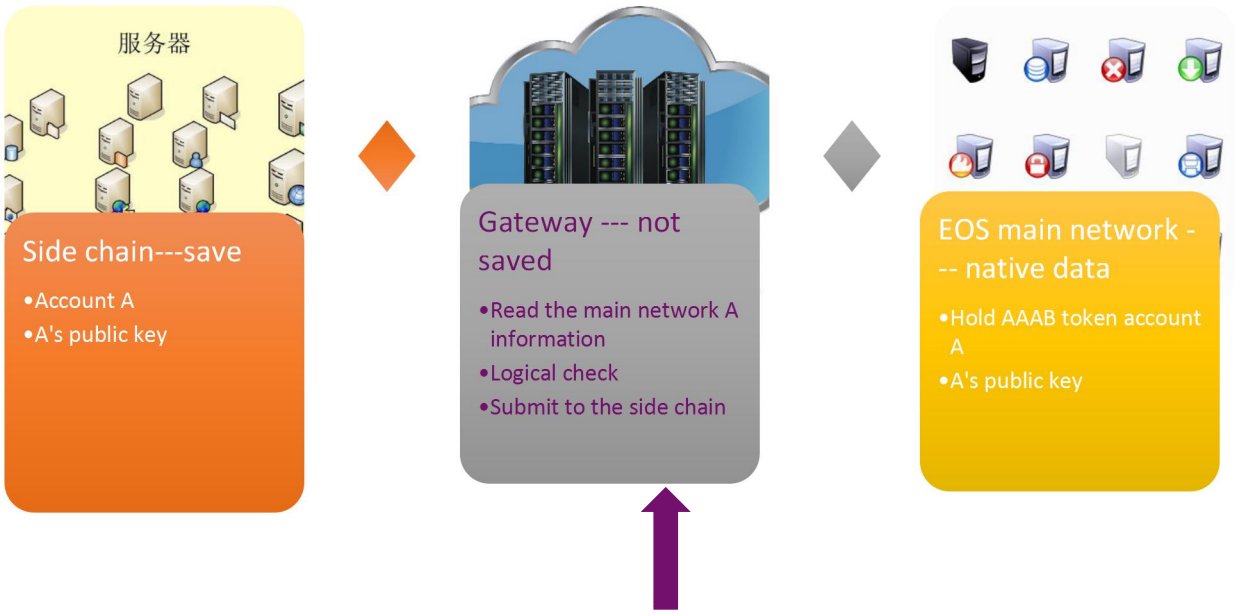
The overall blockchain technology uses the EOSIO sidechain + EOS backbone + IPFS scheme. The deployment of smart contracts on the EOS main network is mainly responsible for the management of AAAB tokens, including the issuance of native tokens, token ICO, token transfers and additional tokens. The side chain runs the storage of the basic information of the complete project, including community member registration, publishing content, voting, incentive records and other storage. The content published in the sidechain involves large files (such as pictures, videos) and detailed text content, which are stored in the IPFS node, and the returned hash value is saved in the field related to the side chain.

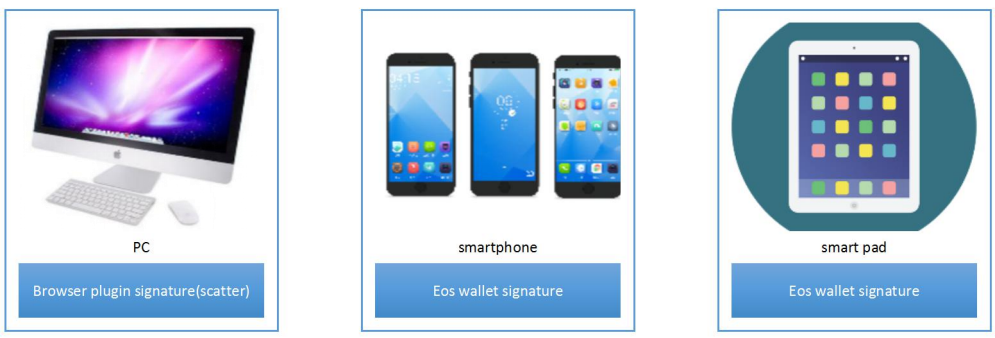


AAABaby basic technical architecture diagram

4.1 Identity Certification System

As one of the basic services of the community, the AAABaby identity authentication system adopts the method of trusting with the EOS main network account (the user only needs a set of public and private keys of the EOS main network), and we set up between the side chain and the main network. The distributed gateway, therefore, as long as the EOS account holding the AAAB token is loaded with the private key after the client completes the signature, the gateway implementation can include the automatic registration of the community user account, content confirmation, identity authentication, and rights management. service. Users with our community identity will have more privileges, such as: participation in community building, voting, shopping, transfer, etc.



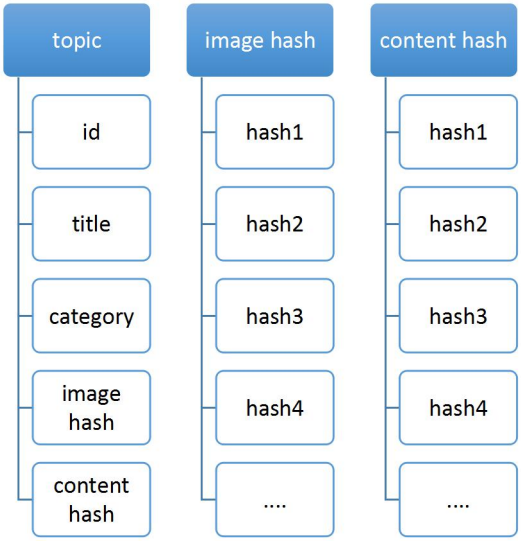


4.2 Content Storage System

The content produced by members is the most important source of the current value of the community, and it must be ensured that the content is stored safely and reliably.

In order to ensure high-performance sidechain operation, only smart contracts and main basic information are saved to the sidechain, large files (multimedia such as pictures and videos) and large text content (such as detailed text content in a record) are stored in the decentralized DHT. In a distributed storage network, for example: IPFS. The hash of the data will be stored as a reference, stored in the blockchain, and users with permissions can get references through smart contracts to address the data.

IPFS is a decentralized point-to-point distributed file system that wants to connect all computing devices to the same file system. IPFS uses content-addressing technology, so users don't need to care about the location of the server, regardless of the name and path of the file store. Each file is placed in an IPFS node and gets a unique cryptographic hash value calculated based on its contents. The hash value directly reflects the contents of the file. Even if only 1 bit is modified, the hash value will be completely different. When IPFS is requested for a file hash, it uses a distributed hash table to find the node where the file is located, retrieves the file and validates the file data. The network of IPFS is an unfixed, fine-grained, distributed network that can adapt well to the requirements of content distribution networks. At present, the IPFS technology is in the process of being improved, and the incentive mechanism is not yet clear. As a result, some cold data may be inaccessible. In order to protect the user experience, IPFS+AAAB token incentives will be used in the early stage to deploy private peer nodes (limited static nodes). Degree to ensure the stability of file access



Storage data structure graph

(image and content are saved to IPFS, topic base content and hash values are saved in the sidechain)

4.3 Based on DPOS+BFT consensus mechanism

There is a huge amount of data concurrency in the community ecosystem that AAABaby is building. Assuming that the community has 5 million daily users, the predicted blockchain needs to calculate about 600 times per second.

The formula is as follows:

If the number of active users is 100W:

1 million users X 10 times per user per day (post, comment, vote) = 1000W call / daily = 1000W / 24 / 3600 / second = 116 times / sec

If the number of active users is 500W: = 580 times / sec

The existing POW (Proof Of Work) and POS (Proof Of Stake) consensus mechanisms obviously cannot meet the efficiency requirements. In order to meet the user experience and decentralization features, DPOS+BFT is currently an excellent solution.

DPOS (Delegated Proof Of Stake) is a consensus mechanism based on the principal's proof of equity, which is mainly used to achieve the consistency of distributed ledgers. Under the DPOS mechanism, the node votes to generate N witnesses who can sign the block. Thanks to the decentralized voting mechanism, DPOS ensures that witnesses are honest and unbiased, and each block can prove that the previous block was correctly confirmed by the witness.

BFT (Byzantine Fault Tolerance) is a model for the degree of error tolerance of distributed systems. If a distributed system can tolerate the occurrence of arbitrary errors (these errors may include hardware errors, network congestion and delay, hacker attacks, node mutiny).), we say that this system has reached Byzantine fault tolerance. Although as early as the 1980s, lamport proved the feasibility of Byzantine fault tolerance in the paper, there was no practical and efficient algorithm implementation until Castro and Liskov published PBFT (Practical Byzantine Fault Tolerance) in 1999. [2.2], for the first time, the BFT theory became a practical solution.

The AAABaby community uses a consensus mechanism of DPOS+BFT to enhance the security of DPOS and tolerate Byzantine errors. This is a powerful and decentralized solution that effectively addresses the technical issues facing the system.

The emergence of EOSIO allows the AAABaby community vision to be implemented. EOSIO is a distributed intelligent blockchain operating system that supports programmable intelligent contracts. The underlying architecture logic is based on DPOS+BFT. The throughput per second can reach millions, while the performance of distributed applications can be extended. Business logic can be perfectly applied to the AAABaby community.

However, because the EOS main network uses economic algorithms such as

bancor in the use of RAM, CPU and network bandwidth, the deployment and operation cost of smart contracts in practical applications is extremely high. So we take a flexible approach: sidechain + transit gateway + EOS main network.

Blockchain deployment diagram

5. Ecosystem

Depending on the development of the community, it is necessary to have a certain brand effect in order to play the role of ecology. This program will update this part according to the progress of the specific project.

6.AAAB token

Token Name: AAABaby TOKEN

Token symbol: AAAB

Type: EOS Native Token

Total supply: (630 million)

Channel sales: 200,000,000 (200 million)

Listing price: 0.5

Soft cap : $ 8 million

Hard cap : $ 15 million

ICO token： EOS

Distribution：

1： channel sales

15 million – $ 0.15 Stage 1

13 million – $ 0.03 Stage 2

26 million – $ 0.06 Stage 3

45 million – $ 0.12 Stage 4

45 million – $ 0.24 Phase 5

Total sales: 144 million

56 million tokens - bounty and referral plan (for the fourth and fifth sales stages)

20% of the amount of money disbursed every 30 days after purchase， Channel dealers are not locked

(The above US dollar is only used as a price reference for Eos, there is

fluctuation, the actual price per day. Any unsold AAAB token will be added to the partner pool or other pool, the founding team decides at its own discretion.)

2: Partner - 10 million AAAB tokens as an incentive pool to attract partners' supply chain, no lockout

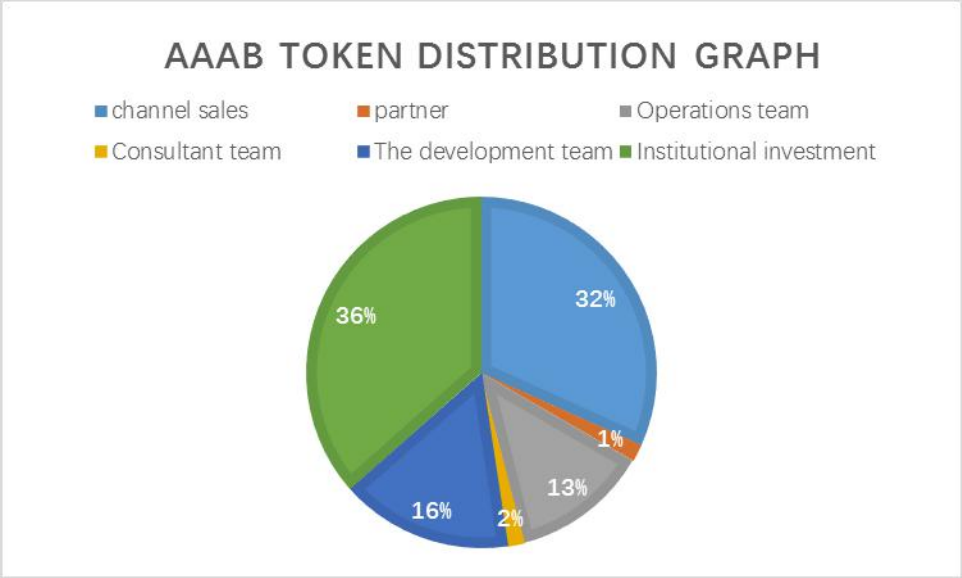
3: Operations team - will retain 80 million AAAB tokens for the team, no locks

4: Consultant Pool - 10 million AAAB tokens will be reserved for the consultant, locked for 90 days.

5: The development team - 100 million AAAB tokens will be used to pay for technology development costs, locked for 180 days.

6: Institutional investment - The remaining 230 million AAAB tokens will be sold to institutional investors and locked for 90 days.

Additional issuance - 5% of the total issuance per year is used to pay for incentives for super moms, city service providers, side chain BP nodes, and IPFS storage nodes. Tokens obtained from advertising and e-commerce system revenues will be partially destroyed.



7. team situation

Consultant Dr. Chris Ning

Dr. Ning graduated from a prestigious university in finance, and is currently the CEO of a block-based technology-based investment company. He has experience in the securities industry and was the chief strategic economic analyst of any of the world's top 500 companies. Relevant departments provide various Internet finance

and blockchain research reports for think tanks.
It has been three years since the economic theory research and project practice in the blockchain. He has advised on a number of blockchain projects and has already launched an online exchange.

Consultant Victory Hong

Victory Hong has more than 15 years of experience in the Internet. He has founded several Internet companies. He is currently Chairman of the Victory Foundation in Singapore and the founder of the Malaysian UFO Cryptographic Exchange. It has been a practice in the blockchain for five years. He has provided consulting services for a number of blockchain projects, and several projects have been launched on the exchanges they founded.

Consultant Shangki

It is one of the most important EOS evangelists in Korea. He is also a well-known blockchain media person with his own column. He worked in Samsung for 7 years before and was the head of the relevant department of science and technology information.

Consultant Hansam

The technology startups in Singapore have extensive experience in setting up incubators for top universities in Singapore. He is familiar with the venture capital investment field and has helped create multiple technology startups for more than 8 years. Currently, he is the managing partner of BGTP Ventures in Singapore, investing in blockchain, artificial intelligence, financial technology and cryptocurrency. He has a great interest in financial technology companies and selectively provides promising technology companies with advice for ICO. He holds a bachelor's degree from top universities in Asia - National University of Singapore and an MBA from Hull School of Business.

Tom Chairman of the Foundation

After earning a master's degree in accounting, Tom founded a number of companies, including accounting firms. He was employed as an accounting audit consultant for five listed companies and invested in a number of companies as board members. His interests are angel investment, financial services and food.
Andy CEO and founder

Andy founder and CEO of AAABaby

He has more than 20 years of experience in IT. After graduating from university, he has been engaged in R&D and implementation of ERP systems for more than two years, and has been successfully operated. He has since entered the Internet industry and created many Internet companies, including e-commerce online malls and community networks. Management, web video, web conferencing, online education, social networking platforms, and online community incubators. There have been

three years of research and development and practice of blockchain projects. It is particularly advocating the ecosystem of the EOS system and is an active evangelist and practitioner of its ecosystem.

Peter COO Chief Operating Officer

As Chief Operating Officer of AAABaby, Peter is involved in planning, coordinating and working to manage AAABaby's strategic business operations. Prior to joining, Peter served as the coo of the exclusive Internet company and successfully helped the company achieve impressive operational results and obtain financing in rounds A and B. He specializes in market operations, resource integration and advertising docking.

Hali wei CTO Chief Technology Officer

Hali wei is a senior technical expert with more than 15 years of experience in IT R&D and management. He used to design a backbone data exchange system in Huawei. He is a C-language expert and an excellent network communication expert. The CTO of the home technology company also has experience in hardware products and IoT systems. More than three years of experience in R&D in blockchain.
Kelly Head of Global Brand Marketing and Communications

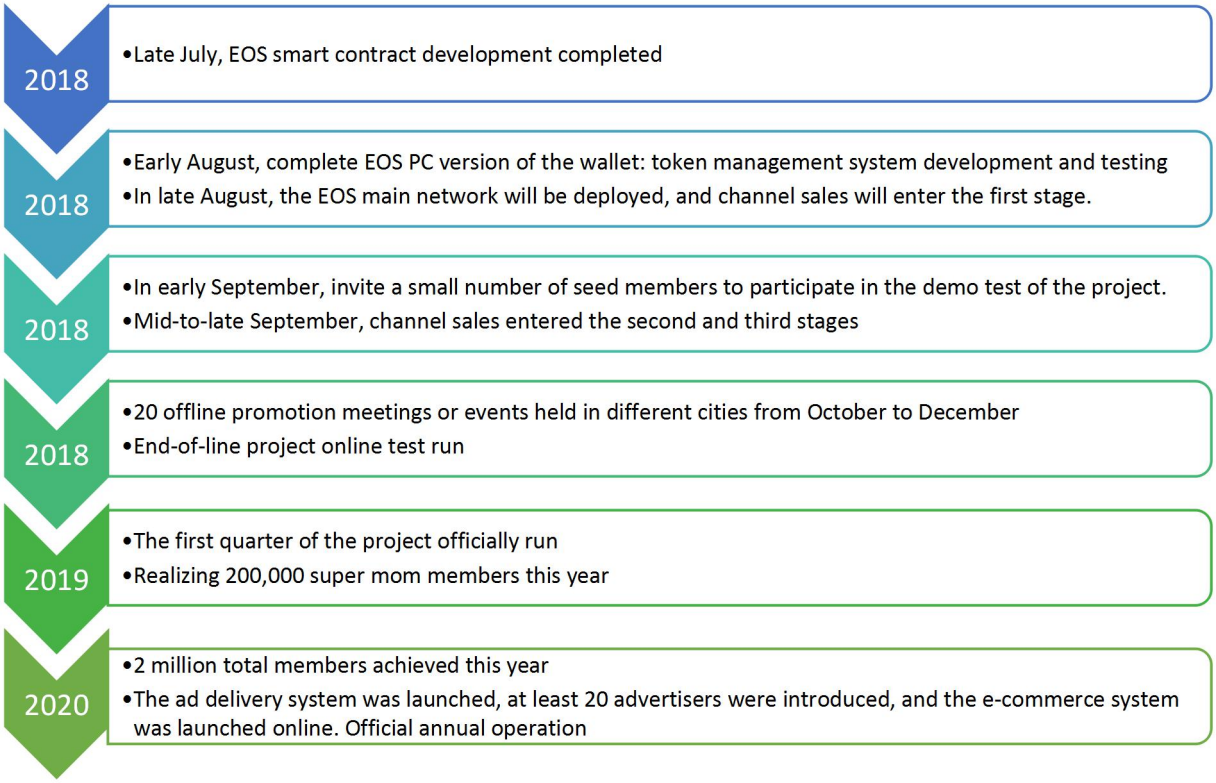
Kelly Global Brand Marketing and Communication Leader

As the head of **AAABaby's global brand and communications**, Kelly is planning, coordinating and managing the marketing communications activities of the AAABaby project and maintaining a consistent brand image across all platforms.
Jenny Social Media Supervisor

Jenny Social media executive

As the head of AAABaby on social media. Before joining AAABaby, she had experience in digital marketing and financial public relations. She holds a Master's degree in Strategic Marketing from Imperial College London, Jenny and a Bachelor's degree in Psychology. She is very good at communicating with netizens.

8.Timetable



9. contact information

Official website:

Twitter:

Reddit:

github:

Telegram:

Steemit:

Medium:

8. Partners




reference

[1] Buterin, V., & Poon, J. (August 11, 2017). Plasma: Scalable, autonomous smart contract. Searched on September 12, 2017 from http://plasma.io/plasma.pdf

[2] Poon, J. (June 17, 2017). OmiseGO: Decentralized trading and payment platform. Searched on November 3, 2017, from https://cdn.omise.co/omg/whitepaper.pdf

[3] Larimer, D. (Bytemaster), & Lavin, J., (hkshwa). (June 3, 2017). EOS.IO Technical White Paper. Searched on April 11, 2018, from https://github.com/EOSIO/Documentation/wiki/Whitepaper-Test

[4] Buterin, V. (November 9, 2017). STARKs, Part 1: Polynomial proof. Searched on May 10, 2018, from http://vitalik.ca/general/2017/11/09/starks_part_1.html

[5] Larimer D., Scott N., Zavgorodnev V., Johnson B., Calfee J., Vandeberg M. Steem: A blockchain-based incentive social media platform. March 2016. Search for June 1, 2018 from https://github.com/steemit/whitepaper/commit/da16f36bf23bc53d30b57787d7b9044d9c07399c.