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KIZUNACOIN White paper



KIZUNACOIN just aims at spreading.

The transaction fee is very less by DAG technology, and exchanges can be done smoothly

We will establish the cryptocurrency platform that can be used for various purposes on a daily basis.

KIZUNACOIN is Japan's first DAG-based cryptocurrency.
Sending token instantly with a subtle transaction fee, and also you can easily interact.

We have worked on introducing advanced technology so that KIZUNACOIN would have technical advantages over other cryptocurrencies.

As the first step, we have incorporated DAG (Directed Acyclic Graph) technology into KIZUNACOIN. DAG is known to be the next generation blockchain, and the technology covers shortcomings of blockchain.

Directed acyclic graph

In mathematics and computer science, a directed acyclic graph (DAG), is a finite directed graph with no directed cycles. That is, it consists of finitely many vertices

and edges, with each edge directed from one vertex to another, such that there is no way to start at any vertex v and follow a consistently-directed sequence of edges that eventually loops back to v again. Equivalently, a DAG is a directed graph that has a topological ordering, a sequence of the vertices such that every edge is directed from earlier to later in the sequence.

DAGs can model many different kinds of information. A spreadsheet can be modeled as a DAG, with a vertex for each cell and an edge whenever the formula in one cell uses the value from another; a topological ordering of this DAG can be used to update all cell values when the spreadsheet is changed. Similarly, topological orderings of DAGs can be used to order the compilation operations in a makefile. The program evaluation and review technique use DAGs to model the milestones and activities of large human projects, and schedule these projects to use as little total time as possible. Combinational logic blocks in electronic circuit design, and the operations in dataflow programming languages, involve acyclic networks of processing elements. DAGs can also represent collections of events and their influence on each other, either in a probabilistic structure such as a Bayesian network or as a record of historical data such as family trees or the version histories of distributed revision control systems. DAGs can also be used as a compact representation of sequence data, such as the directed acyclic word graph representation of a collection of strings, or the binary decision diagram representation of sequences of binary choices. More abstractly, the reachability relation in a DAG forms a partial order, and any finite partial order may be represented by a DAG using reachability.

Important polynomial time computational problems on DAGs include topological sorting (finding a topological ordering), construction of the transitive closure and transitive reduction (the largest and smallest DAGs with the same reachability relation, respectively), and the closure problem, in which the goal is to find a minimum-weight subset of vertices with no edges connecting them to the rest of the graph. Transforming a directed graph with cycles into a DAG by deleting as few vertices or edges as possible (the feedback vertex set and feedback edge set problem, respectively) is NP-hard, but any directed graph can be made into a DAG (its condensation) by contracting each strongly connected component into a single supervertex. The problems of finding shortest paths and longest paths can be solved on DAGs in linear time, in contrast to arbitrary graphs for which shortest path algorithms are slower and longest path problems are NP-hard.

The corresponding concept for undirected graphs is a forest, an undirected graph without cycles. Choosing an orientation for a forest produces a special kind of directed acyclic graph called a polytree. However, there are many other kinds of directed acyclic graph that are not formed by orienting the edges of an undirected acyclic graph. Moreover, every undirected graph has an acyclic orientation, an assignment of a direction for its edges that makes it into a directed acyclic graph. To emphasize that DAGs are not the same thing as directed versions of undirected acyclic graphs, some

authors call them acyclic directed graphs or acyclic digraphs.

(Source : Directed acyclic graph - https://en.wikipedia.org/wiki/Directed_acyclic_graph)

Blockchain is formed to transaction history into blocks and to connect like one chain.

In existing blockchain technology such as bitcoin needs some users to approve transaction called minor.

DAG's processes transactions one person by one, so that further transaction information spreads over spiderweb for one trading information.

In this technology, each person conducts transaction approval simultaneously with the exchange.

Bitcoin has drawbacks such as slow remittance speed and higher remittance fee.

The advantage of DAG cryptocurrency is that transactions are made immediately and the remittance fee is very less.

KIZUNACOIN has been introducing high-end technology,DAG.

DAG is the next generation of cryptocurrency technology.

Compared with the blockchain, it is very excellent and stable in operation.

Therefore, we are confident that DAG will be an essential technology in the IT industry including cryptocurrency.

For further development, KIZUNACOIN will adopt new technology and continue to evolve.

KIZUNACOIN is aiming to be a currency for settlement.

The concept is to strengthen mutual exchanges of cryptocurrencies by this technology.

We think KIZUNACOIN has a huge advantage as a settlement currency.

It is simple and multilingual support, and basic transaction processing ability by DAG exceeds the blockchain.

Issuing Ethereum token is easy,but Gas(small amount of ETH) is necessary as a fee.

The fee is a different currency from the token itself.

This is huge disadvantage.

For example, It is like paying US dollar as a fee for remittance of Japanese yen.

Bitcoin requires a fee and time for a transaction, troubles regarding blockchain often occur as seen on news.

At the first period, security of DAG cryptocurrency was questioned due to not enough verification of new technology.

However serious trouble has not occurred so far even more than a year past from the technology invented.

DAG crypto currency is very fast, very easy and very comfortable.

We think this technology is the most effective for spreading crypto currency.

For example, if you can pay with the token through Near Field Communication (NFC) system, it would be more convenient than e-money.

First of all, KIZUNACOIN aims to be exit of cryptocurrency on internet.

It means that we would change the world into where millions of Internet users exchange other cryptocurrencies to KIZUNACOIN as a standard payment method.

For that, we develop the system for exchanging/purchasing Amazon gift card, iTunes card or others from KIZUNACOIN.

Finally, we develop VISA debit card system and enable KIZUNACOIN to use everywhere.

We develop KIZUNACOIN exchanging system on the following steps.

Web money

Bitcash

iTunes

Google play

Amazon Gift

Virtual card

Real debit card(deposit)

NFC settlement between individuals, Cash register POS

We aim that KIZUNACOIN itself to be used as currency.

Then definite advantage occurs with holding and using KIZUNACOIN.

The reason we aim it is that cryptocurrency has not been convenient for payment yet.

This is our first step for spreading and we finally develop systems and structure for KIZUNACOIN itself to be used for payment positively.

We develop NFC payment system on KIZUNACOIN concurrently with register POS system.

In other words, we develop systems for one-touch payment of KIZUNACOIN.

Moreover, KIZUNACOIN really goes well with various of services. Users are able to install applications on their KIZUNACOIN wallet.

This means developers are allowed to upload their application providing own services on the wallet.

Sellers can advertise their sale information and distribute coupon to KIZUNACOIN users, they could purchase items which they want by wallet application.

KIZUNACOIN is capable to open web services and online stores on the wallet.

Doing simplifying, we will realize the future that users intuitively use KIZUNACOIN.

Development about individuals exchanges and payment methods of KIZUNACOIN are as follows:

- Transfer reservation function
- Condition remittance function, cancellation is unavailable
(sports win/lose, price of Bitcoin, game winner etc.. make decision by third party API)
- e-money exchanging service via KIZUNACOIN
- System for dealing on face-to-face such as NFC or others
- Remittance and receiving buttons for using without KIZ wallet.
(system like a check with HTML, QR, and URL)
- Sell/Buy platform for down-load contents having KIZUNACOIN automatic receive detection system.
(with seller and contents review function)
- Credit payment connection
- Games capable of using KIZUNACOIN

- Running a shop for KIZUNACOIN and entire cryptocurrency
- Open an amusement facility accepting cryptocurrency payment in Akihabara
- Payment system using facial and fingerprint recognition.
(wallet becomes unnecessary)
- Start development of infrastructure for increasing cryptocurrency users as many as cell phone users.
(For payment everywhere with facial and fingerprint recognition system)

KIZUNACOIN has implemented DAG technology.

Enhancing technical advantage compared with other currencies is one of the purposes, and the reason we implement high technology like this is to broaden a range of applying the technology by accumulate knowledge.

The goal is to adopt DAG technology to various platform, and apply it to be new technology development.

In Q3 2019, we plan to improve the algorithm of KIZUNACOIN and implement a new algorithm with the world highest level security.

Having the fused approval systems of various algorithms, we build a hybrid algorithm.

Having the implemented various algorithms of cryptocurrency on the way for completing DAG version of KIZUNACOIN,

we have been able to find out the possibility of security improvement by fusing the approval systems of other algorithms to DAG technology, this is one of our development goals.

We aim to develop not only cryptocurrency but even a variety of convenient connected services. For that, we accumulate a variety of Know-how and adopt new technology. Also, we aim to contribute to the society by cryptocurrency technology, and by providing our development achieves to government agency and etc. We endeavor to keep price with deploying tie-up service and adopting price keeping system.

Schedule of KIZUNACOIN development

November - December 2018

Starting development for platform and related service of KIZUNACOIN.

Release a new Road Map.

Q1 2019

Distributing TSUMUGI token.

Release KIZUNACOIN official faucet.

Adding NFC function on KIZUNACOIN.

Q2 2019

Build an e-money exchanging service via KIZUNACOIN.

Release KIZUNACOIN transfer reservation and condition remittance function.

Providing remittance and receiving button for using without KIZ wallet.

(System like a check with HTML, QR, and URL)

Sell/Buy platform for down-load contents having KIZUNACOIN automatic receive detection system.
(with seller and contents review function)

Q3 2019 Having the improved algorithm of KIZUNACOIN, implement a new algorithm with the world highest level security. Having the fused approval systems of various algorithms, building a hybrid algorithm. Release credit payment service. By using the payment service, most of merchandise on internet become purchasable. Develop games and services capable of using KIZUNACOIN.

Within 2019 Expanding uses for KIZUNACOIN (Adding Token issue function, implementing IoT technology and tie-up).

Q1 2020 Develop crypto system specific to record data on the basis of the feedback of exchange development and management. Strengthen marketing and development for further use of KIZUNACOIN as a payment method.

2020 - 2021 Release the crypto system specific to record data. (all data is kept on DAG chain) Provide data recording technology to government agency and companies. Starting to develop a system for easy contract and approval, can be managed and browsed. Payment system using facial and fingerprint recognition. (wallet becomes unnecessary)

2023 and later Start development of infrastructure for increasing cryptocurrency users as many as cell phone users. (For payment everywhere with facial and fingerprint recognition system)

And the strong points of KIZUNACOIN is quickness of development speed.

From the start of DAG version development of KIZUNACOIN, it took only two and a half months to release wallet on all of major platform and to make it usable.

Considering DAG technology is esoteric, this is a point worthy of special mention.

The followings are excerpts from Road map

16th Jun 2018

Pre-sale starts.

16th Jun 2018

Starting development for DAG algorithm of KIZUNACOIN(release within 2018).

1st July 2018

4,000,000,000KIZ pre-sale has been sold out.

23rd July 2018

Early completing development for DAG algorithm of KIZUNACOIN.

August 2018

KIZUNACOIN wallets for Windows, Mac, Linux, iOS, and Android are released.

Starting development for KEEP Exchange.(release in Q1 2019)

Platform development

One of the platform being developed is cryptocurrency exchange.

The name is KEEP.

Named after the combination of the first letter of each words from KIZUNACOIN Essentials Exchange Platform.

It is our intention that KEEP the worth of KIZUNACOIN, and it to be used as the place for users to KEEP their cryptocurrency. This exchange aims to be an outstanding place for newly issued crypto currency and tokens. The point is to accept their issued cryptocurrency as a listing fee for easy listing on KEEP exchange. We provide three stages of the market such as class A, class B, and class C. Cryptocurrencies to be listed on our exchange is categorized by reliability, and new currencies are mostly listed on class C. Examination is unnecessary for listing on class C. A currency, on C, that has

High ratings and stable coins could get listed on class B. As described, we release the market of class C without listing examination to increase trading volume.

We are thorough in security management. We are confident that the most important point for running an exchange is "security". KEEP Exchange strengthens the security at all times to ensure the reliability. As the linkup with KIZUNACOIN, TSUMUGI token is air-dropped to KIZUNACOIN holders.

And the listing fee of new coins on KEEP Exchange is distributed to the users holding TSUMUGI. TSUMUGI reiterate invalidation and reissue every 6months or a year. Distribution is done to holders having TSUMUGI at the date of reissue. In case of ETH token, listing fee on KEEP Exchange is 5 to 10% of coins. By receiving these coins, KIZUNACOIN holders are able to accept long-term ROI.

And for qualitative improvement of our services, we provide listing applicant support and marketing service concurrently with increasing trading volume, reliability and topicality. In the first period, it is operated on offshore. Broadening our market to several countries is our goal from the beginning. Advancing to Operate KEEP Exchange in Japan in the future is in consideration. For adapting under the regulations of audit criterion in Japan, we provide only class A market of which safety is confirmed. Constructing the market in accordance with the rules of each country, we develop exchanges rooted in the countries.

2 essential points for an exchange

"high-level security" and "handling various of cryptocurrencies"

The above is the first priority to KEEP.

As these are the priority which users want us.

The followings are excerpts from Roadmap

August 2018

Starting development for KEEP Exchange.(release in Q1 2019)

September - October 2018

Release outlines of KEEP Exchange.

November - December 2018

Release detail information of KEEP Exchange system.

Q1 2019 Establish local subsidiaries in 5 countries. Release formal version of KEEP Exchange.

Distributing TSUMUGI token(tentative title). Establish KIZUNACOIN user forum.

Q2 2019 Release fixed-term deposit service of KIZUNACOIN. (aiming to develop a platform like a cryptocurrency bank) Providing multi-language service on KEEP Exchange. Organizing support team at local subsidiaries in each country.

Q3 2019 Relocate headquarters of KEEP Exchange to Malta.

Within 2019 To aim to run exchange service in Japan. ((for KIZUNACOIN to be purchasable by major fiat money)) To aim to make KEEP Exchange become within the world 30th top exchanges.

Upgrading on the basis of user needs, we aim to increase the trading volume.

Q1 2020 Develop crypto system specific to record data on the basis of the feedback of exchange development and management.

2020 - 2021 Business alliance with other exchanges.

2022 Start development of decentralized system of KEEP Exchange.

We devote ourselves to spreading cryptocurrency. And we deploy services regarding cryptocurrency itself as a part of our business. Cryptocurrency is yet to be used generally, and most people are not used to using cryptocurrency for settlement. To aim general public understanding increased, we release integrated information site for beginner to senior, start running a shop regarding cryptocurrency including business alliance and etc.. This is contribution activities for all of cryptocurrencies.

The followings are excerpt from Roadmap

Q1 2019 Establish KIZUNACOIN user forum. By establishing the user forum, it becomes easy for users to understand how to use cryptocurrency. Starting activities to deepen people's in general understanding for cryptocurrencies. (Terrestrial TV, advertisement, Developing learning application of cryptocurrency.) We deploy media promotion activities for conveying structures and usage of cryptocurrency with the intelligible method to anyone from adults to children.

Terrestrial TV program

TV program for deepening understanding regarding to entire cryptocurrency. TV program for spreading cryptocurrency to public such as like talk show with inviting TV star. Learning application of cryptocurrency On this application, distributing tokens to users who get the correct answer to the quiz regarding crypto currency. And the application itself has a function as a wallet.

Within 2019 Start running a shop regarding to KIZUNACOIN and entire cryptocurrency. This is capable of holding events and discussion, not to mention cryptocurrency payment solution. Functionalizing as a lounge for all cryptocurrency users.

Q1 2020 Strengthen marketing and development for further use of KIZUNACOIN as payment method.

2020 - 2021 Open an amusement facility accepting cryptocurrency payment in Akihabara. Possible to play arcade game by cryptocurrency payment. Open support site and contact center for all cryptocurrency users. Support center for all cryptocurrency including BTC. Business alliance with other exchanges.

Kizuna-chan

"A mascot communicating by AI"

We maintain this concept, and create a personality which continues to live and evolve eternally.

- Profiles

The mascot for KIZUNACOIN

Name KIZUNA-chan

Occupation Virtual idol

Age 16 or 26

Blood type AB

Characteristic

cute

Able to have a conversation with shaky words.

Basically honorific expression.

Being bad mouth suddenly and occasionally.

Illustrator : mori

Released on 22nd May at #きずなとおしゃべり channel in

Discord community.



Development Roadmap

Within 2019

- Upgrading AI

- Using artificial intelligence exclusively customized for KIZUNA-chan, express more distinctive character.

2019 - 2020

- Motion and producing a voice

(Making KIZUNA-chan behave in conformity to emotion and a content of the conversation by 3D modeling)

(Making KIZUNA-chan produce a voice in a part of conversations)

Within 2020

- To be smartphone app - KIZUNA-chan becomes your secretary.

Releasing application in which KIZUNA-chan controls your smartphone instead of you.

Establish a research Institute for artificial intelligence

Summary of artificial intelligence development Assuming human's brain to be machine, interpreting various emotions and reaction as a conditioned reflex. Making AI experience various patterns of occurrence which humans meet, developing semiautomatic program for learning output patterns as routine. AI becomes like a teacher for AI, and giving the intelligence. Repeating questions and answers for several tens of thousands generations.

KIZUNACOIN PROJECT

Supervisor

- Shouichi Hatsuse (mori)

CMO

- Jun Harada (izaya)

KIZUNACOIN Top Developers

- Sun dong
- <https://github.com/risingstar2018>

- Zealous wang
- <https://solariscoin.com/team>

- Tyler

- And developer and community team

/Specifications

Coin ticker: KIZ

Algorithm: Directed acyclic graph

Maximum coin supply: 20,000,000,000

Distribution method: swap from Skein-algorithm-KIZ (old algorithm KIZUNACOIN)

---Skein-kiz pre-sale amount: About 4 billion

---Swap of airdrop maximum circulation volume: About 700,000,000

GitHub Link: <https://github.com/KIZUNACOIN>

About max 4.x billion circulation volume, When listing.

Currently (AUG 2018), 1 billion circulation volume

Every month, max 40 million kiz, distribution volume increases by sales.

Sales, from two and a half months after the listing.

1 year, up to 480 million kiz increase.

Website URL: <https://www.kizunacoin.net/>

Git Repository: <https://github.com/KIZUNACOIN>

Explorer: <https://explorer.kizunacoin.jp/>

Thank you for reading.

Exactly what we are aiming at is the future of the world in which everybody uses crypto currency.



<https://www.kizunacoin.net/>

Contact us for a tie-up offer : business@kizunaglobal.com