SANTA WHITE PAPER

An incentivized, blockchain-based,public content plaform

Version 4.0

February, 2022

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SANTA Project Team

CONTENTS

SANTA COIN'S BRAND NAMING

A school of Greek and Roman philosophy in the 2nd century BC, representing Greek and Roman philosophy after Aristotle.

It is a school that combines asceticism and composure with knowledge, and encompasses all knowledge and philosophy of this century, including logic, natural science, and ethics.

Since then, it has produced European intellectuals and opened the Renaissance era, and it has become a hall of many intellectuals, including ethics and philosophy left by the Santa School.

Many people wonder how much blockchain technology will be applied to our lives and real life, as it has only been a few years since it has become an industry with a short history of blockchain, and has introduced trend-sensitive blockchain technology such as developers and planners.

Unlike Wikipedia and Namuwiki, which can be said to be a global non-profit dictionary, EveryPD is a coin that rewards intellectuals with IQ tokens, which are cryptocurrency, for the cost of writing commercial content.

As the two coins are compared, the Lunyr project is developed based on Ethereum and requires the author of the article to pay for the gas required for the transaction, but the Every PD is free to write based on EOS and even the author is rewarded.

In addition, compared to Wikipedia, which has text-oriented, hard and complex documentation grammar, EveryPD is more flexible and uses a pro-user user interface (UI) such as SNS.

PEER TO PEER NETWORK

Santa Coin is a P2P network, a distributed encyclopedia database fully managed by token holders.

Coinholders can approve edits, generate network-wide rules governing encyclopedias, and purchase and sell services on the network.

THREE MODULES

Santa Coin's network will operate with the interaction of three modules.First, governance modules can change any module, including this itself. but, You cannot modify a database containing coin balances and clauses. The Governance Module is responsible for proposing changes to rules

across the network and can submit changes to the Coinholder Community for approval. If the change is approved, the management module places the change in that module. Through this process, the community has been able to draw its own social consensus on the rules governing the entire community. The Santa team's developers considered R&D, expansion solutions, and codebase improvements as important as services and capabilities already deployed on the network, and will lay the foundation for editing and adding network source code through the governance module.

Second, the coin module is in charge of coin transmission, transaction fee application, and coin issuance. In addition, matters related to coins are covered in the coin module. Santa Coin tracks and records coin settlement through modules.I'm saving it. Within the coin module, coins are issued every three minutes and the amount of coins issued during the day is fixed. This fixed amount is initialized at midnight every day. The annual mint rate was set at 1 to 5%, but the figure can be changed through the governance process.

Finally, the article module is used to propose modifications to be included in the database. This module allows users to apply for changes and details to be added to the database. In other words, those involved in editing and modifying the text take place in the article module. If the author writes, corrects, and approves the changes by an approval vote, the details are recorded in the blockchain. At this time, change is proposed, and staked and used in this process of actual change.

Santa Token Skating

Santa Coin steaks Santa tokens and uses them to vote on change proposals, governance, etc. The Santa token is powered up with a Brain Power (BP) token at a 1:1 ratio, and takes 10 days of lock-up to defend the network against hackers. In addition, since content such as text and pictures require a lot of storage space, Santa uses the IPFS (Inter Planetary File System). IPFS is a system that solves the problem of external attacks that occur when data is stored on a central server by dividing the data into pieces and giving it a hash value.

PEER-TO-PEER ENCYCLOPEDIA SNS NETWORK

Santa Coin's blockchain spirit can create an incentive peer-to-peer network to submit, curate, and manage databases of encyclopedic documents through its own technology.

Participants in the network acquire coins to curate and submit content to the database,

and then use these tokens to vote for further submission or modification to the protocol upgrade and document database.

Web sites, businesses or individuals can build their own user interfaces to interact with a subset of the network or network, which will create a larger treasure trove of intellectuals that is constantly updated by all participants and applications on the network, In addition, creators can collaborate with outsiders and will become excellent intellectuals by adding knowledge to knowledge.

SANTA COIN'S NETWORK

There are STEEMIT and EPN networks, which are representative overseas networks.

Wikipedia is one of the world's largest websites with more than 19 billion page views a month.

But Wikipedia is setting a trap for knowledge capital that is unintentionally generated within its own platform when content is used to create a thriving knowledge economy.

The downside of Wikipedia is that it cannot capture the monetary and essential value of content created by platforms and communities.

In this regard, Santa Coin wants to create an open, distributed knowledge base with the technology to properly track community value creation and return this value to the creators, curators and developers of the platform to dramatically improve the status quo.

In addition, a distributed platform that draws consensus, contribution, incentives, and value from network participants provides special opportunities for participants to participate in the actual hosting, storage, and distribution of these network content. Santa Coin stores online knowledge transfer, such as Naver intellectuals, a domestic SNS network, in blockchain, freely upload photos, videos, and text contents such as Facebook and Naver Blog, and content providers and curators can receive rewards.

In fact, domestic Naver's intellectuals and bloggers are working for non-profit purposes rather than for profit, but there is no compensation from the existing network, and Steamit has already issued Multi-token to compensate SNS participants.

Santa Coin is a commercial coin that gives a certain profit to the creator of the article when the content creator presses UPVOTE, that is, like, and also partially returns to the recommender, and thinks that good content will be produced only when appropriate compensation is carried out.

SANTA COIN-BASED TECHNOLOGY

Santa Coin will be developed based on various public blockchain technologies as needed, such as Mainnet Coin and Ethereum Token (ERC20). The reason why Santa Coin is developed based on various blockchain is to adapt to rapidly changing market conditions and to ensure technological stability, scalability, and integrity.

On the other hand, Santa Pay is developed as a self-developed private blockchain, and if it is successfully incorporated into Santa Pay, it will be highly scalable and can be used in various services and payment areas.

PUBLIC BLOCKCHAIN	CONSORTIUM BLOCKCHAIN	PRIVATE(Semi-) BLOCKCHAIN
Bitcoin Stellar Ethereum EOS Cardano Litecoin	SANTA COIN 'Mainnet' 'Public + Private' 'PoW + Semi-PoW' 'Convergence Blockchain'	Ripple R3 Corda Quorum Hyperledger Fabric BlockStream Loopchain

Santa, where both public and private blockchain technologies are accommodated, will be used for various purposes as follows.

- Blockchain-based cryptocurrency
- Business-friendly cryptocurrency
- Cryptocurrency for O2O Services
- Robust security
- Flexible integration of commercial DBs
- Fast processing of transactions
- A solid business model
- Continuous revenue generation model
- High-Profit Business Model
- Appropriate compensation coins • Payment • Currency exchange • Payment model

SANTA COIN'S QUALIFICATION

The total issuance of Santa Coin is 2 billion (2,000,000,000), and the detailed specifications are as follows.

- Coin Name: Santa Coin
- Coin Symbols: SANTA
- Coin type: Based on Mainnet and/or ERC20
- Coin use: Perform Santa Vision and list on the exchange
- Sunlight Excavation Volume: 200,000,000

(2 billion 10%; certain parts Lock) 87,000 x 30 days x 36 months / 94,000,000

- Proof of work: PoW• Block size: 4MB (Variable size, only Mainnet)
- Block time: 120 seconds (2 minutes, Only Mainnet)

The total issuance of Santa Pay is 2 billion (2,000,000,000), and the detailed specifications are as follows.

- Coin Name: Santa Pay
- Coin symbol: STP
- Coin usage: compensation, remittance, payment, currency exchange, points
- Pre-mining volume: 2,000,000,000 (2 billion 100%; certain parts Lock)

• Proof of work: PoW

- Block size: 4MB (variable size)
- Block time: 120 seconds (2 minutes)

In the future, by policy eliminating compensation for mining Santa Coin, it will fundamentally prevent excessive mining competition, problems with the use of electric energy, and mining hacking.

SANTA COIN'S MINING

In order to operate and maintain the blockchain stably, Santa Coin will launch a Santa Coin exclusive excavator equipped with a Santa Coin mining program, and compensation for mining will be periodically paid to Santa Coin's wallet that operates the exclusive excavator.

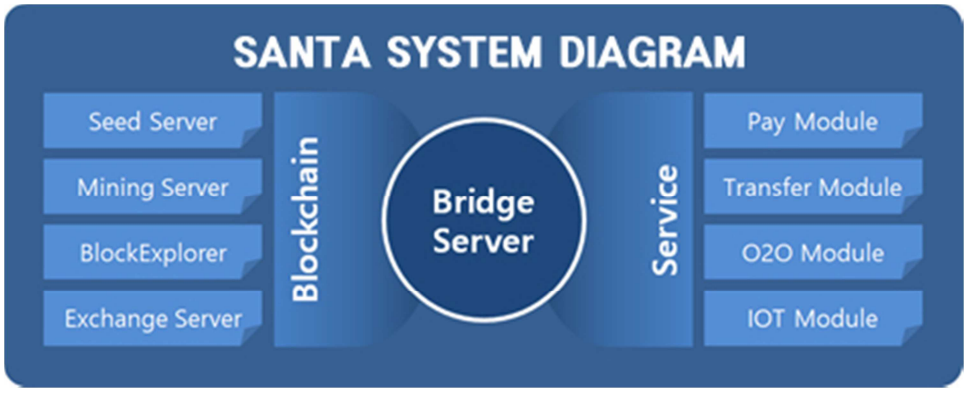
The exclusive mining machine for Santa Coin is version 6.0 or higher of the mobile device, and mining compensation is paid only to registered wallet addresses and managed to prevent hacking.

SANTA COIN'S BRIDGE SERVER

Santa Coin internally has an independent system called Bridge Server. Unlike conventional coins, Santa Coin introduces bridge servers to actually use them for services. For example, it is to actively use it in real life, such as compensation, payment service, exchange service, and remittance service.

If you want to use Santa coins in shopping malls, you must be able to freely convert them into cash or points. In addition, in order to induce members to use credit cards and check cards, it is necessary to link them with the PG/VAN system. It is the main role of the bridge server to make this possible.

Of course, the Santa Coin Foundation can build all or part of the PG/AN system by upgrading the bridge server on its own without going through an external PG/VAN system.

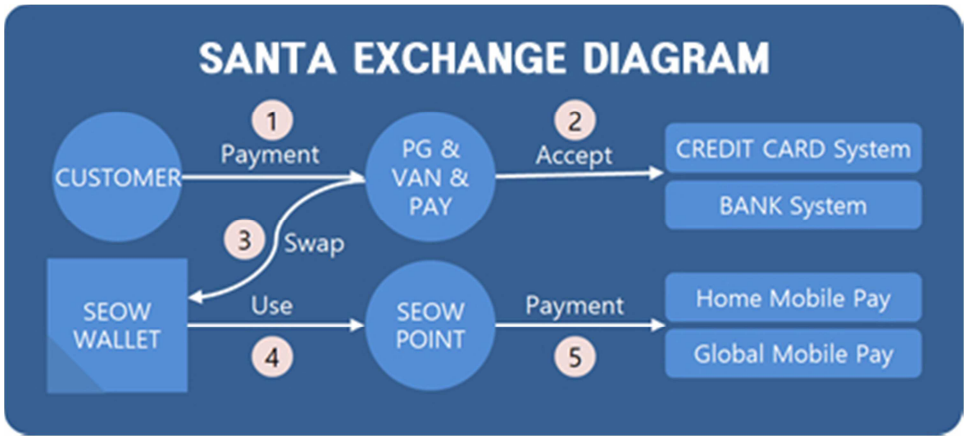


Another feature of the bridge server is that it includes a database of the web environment, enabling membership management and making it very easy to integrate with other systems.

For example, when linking shopping mall points with Santa Coin, web developers need to acquire relevant knowledge and related skills to directly link to the SANTA COIN'S blockchain, which can be really difficult. On the other hand, the bridge server will provide an interworking API for web developers so that they can be linked to DB to DB.

SANTA COIN'S PAYMENT LINKAGE

SANTA COIN'S Bridge is the payment process server pg van the system with operate normally and behave as follows : in case..



First of all, customers make payments through the PG/VAN app linked to Santa. Such a payment may be performed in advance through a PG, and may be performed immediately through a VAN terminal in the field. Through this, customers will be able to accumulate Santa Points (hereinafter referred to as Santa Pay) that can be used like cash in Santa's wallet. This point is now available at

all our franchises.
SANATA EXCHANGE serves as a currency exchange for domestic currency at any time at the request of a customer. Like the picture above, Santa Pay, which has been converted into electronic money, is freely spread and spread through the Internet without a border barrier, just like Santa Coin.

SANTA COIN'S BLOCKCHAIN

Individual blocks constituting Santa Coin's blockchain are largely divided into block headers and block bodies. Block headers consist of Previous Hash, Nonce, Merkle Root, Timestamp, etc. of the previous block. The block body includes transaction IDs included in the corresponding block.
The following illustration shows a santa coin's block represents the chain.

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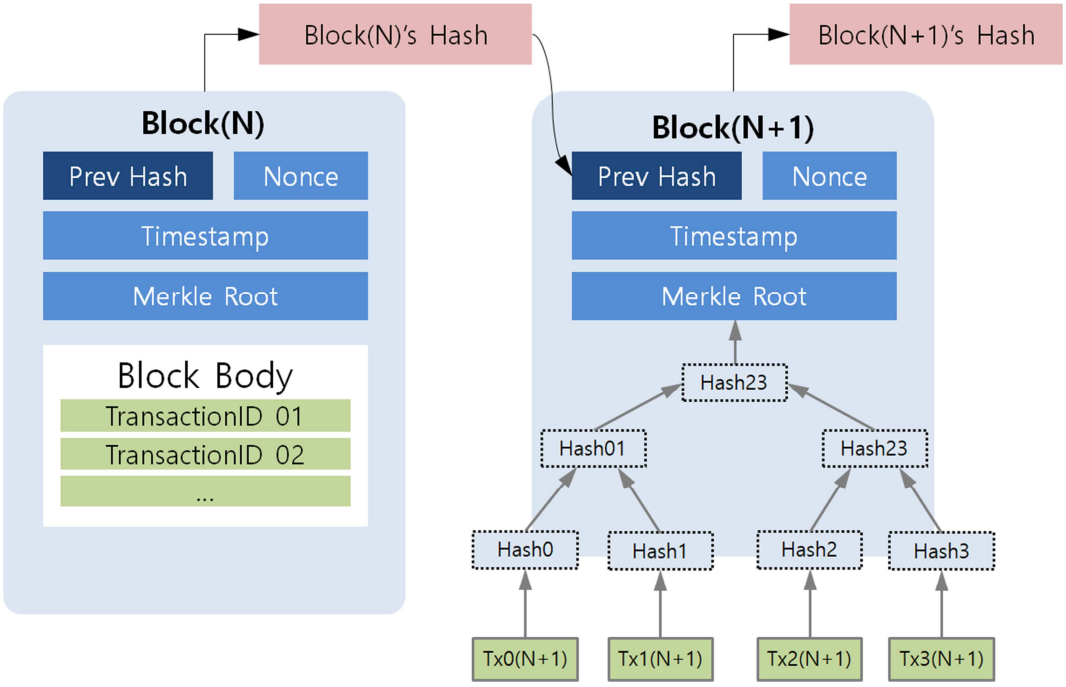


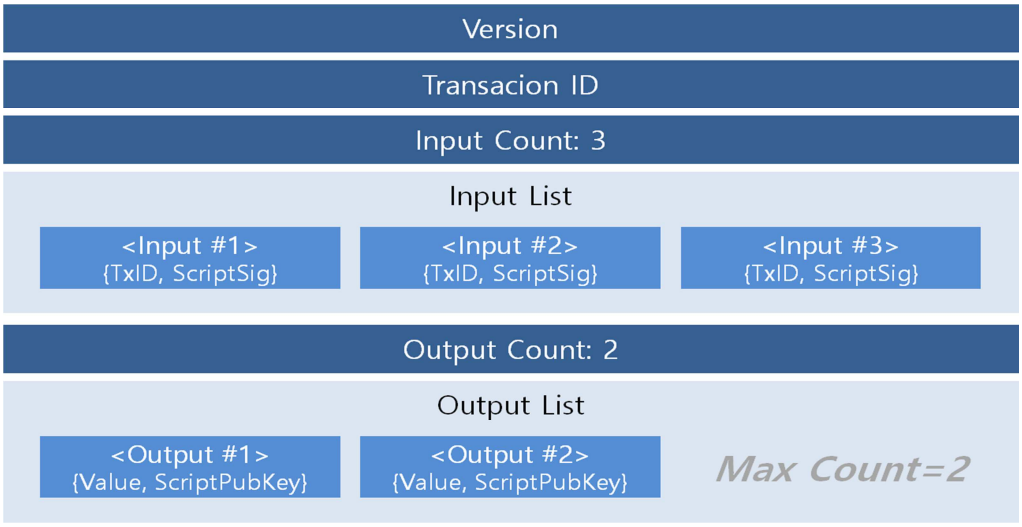
The above figure shows the SANTA COIN'S blockchain, which converts the main items of the previous block into one hash value, stores them in the 'Prev Hash' item of the next block, and converts them into one hash value. This process is repeated every time a new block is created and added.
As such, Santa blockchain has blocks connected chronologically and continuously, so if someone illegally changes the value of the previous block, we can easily determine whether all blockchain on the network is falsified through comparative verification. If a forgery block is found, the

blockchain is deleted and the normal blockchain is downloaded again from the network.
Merkle Root calculates the hash value of the transactions included in the block in a pyramid scheme to finally create a hash value, which is used for Merkleut.

SANTA COIN'S TRASACTION

Transactions occur when Santa coins are transmitted, which is called 'transaction'. The basic components of the transaction according to the transmission of the coin are simply the sender, the receiver, the remittance amount, and the electronic signature.

The following figure shows the SANTA COIN'S transaction.



Looking at the figure above, the SANTA COIN'S transaction consists of version information, transaction ID, number of inputs, input list, number of outputs, and output list. The number of inputs can vary depending on the situation, and if the number of inputs is 3, the number of inputs must be specified, and there must be three inputs in the input listThe number of outputs is one or two. When the number of outputs is two, the change is generated, one is a receiver, and the other is a sender. The change will be received at the sender's wallet address.
For example, if you send 70 coins from a wallet with 45, 20, 10, and 7 coins, the program will send 45, 20, and 7 coins through the best combination. In this case, assuming there is no fee, the change is 2.

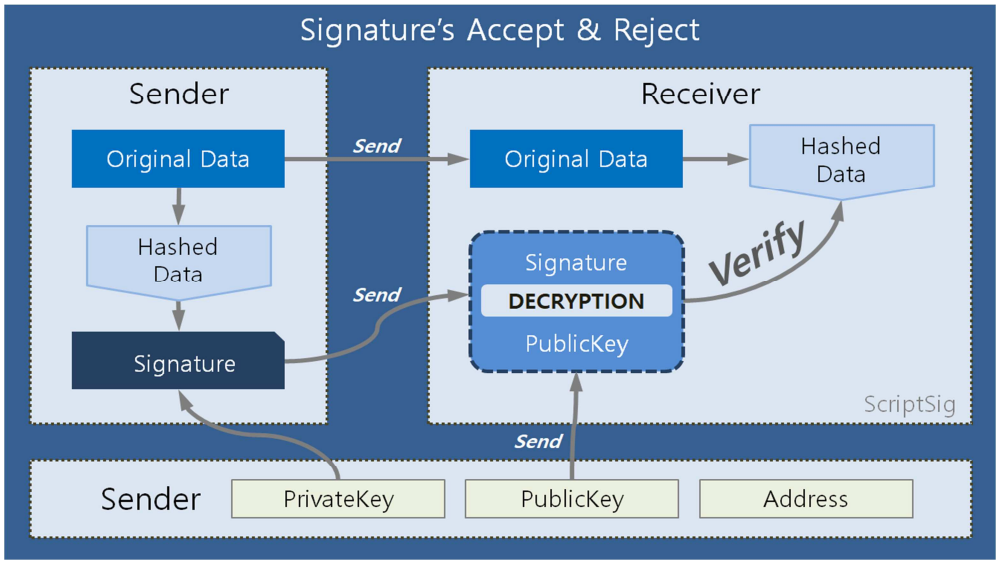
In the figure above, the scriptSig of the input item includes the sender's signature and the sender's public key, and the script pub key of the output item includes the recipient's public key. If there are two output items, a public key of the sender is additionally included.

There are two types of transactions that can occur in Santa Coin: single transactions (1:1 type) and multiple transactions (1:N type). A single transaction is a general transaction in which there is one recipient, and a multiple transaction is a case in which multiple recipients are sent to multiple employees.

SANTA COIN'S ELECTRONIC SIGNATURE

SANTA COIN'S electronic signature is the most important factor in proving ownership of coins in SANTA COIN'S transactions. Specifically, the SANTA COIN'S electronic signature exists in the transaction's ScriptSig.

The way SANTA COIN'S electronic signature works is shown in the following figure.



If the sender sends the coin, the sender creates a new transaction and makes an electronic signature . To sign, the transaction is first converted into one hash data by adding all the items in the transaction, and then encrypted with the sender's private key. This encrypted data is signature data.

When such a signed transaction spreads to the network, nodes that receive it individually verify the transaction, and in this case, verification is performed with the sender's public key. Transactions include original data, encrypted data, and sender's public key for signature verification, but hash data is not included because it can be obtained from the original data.

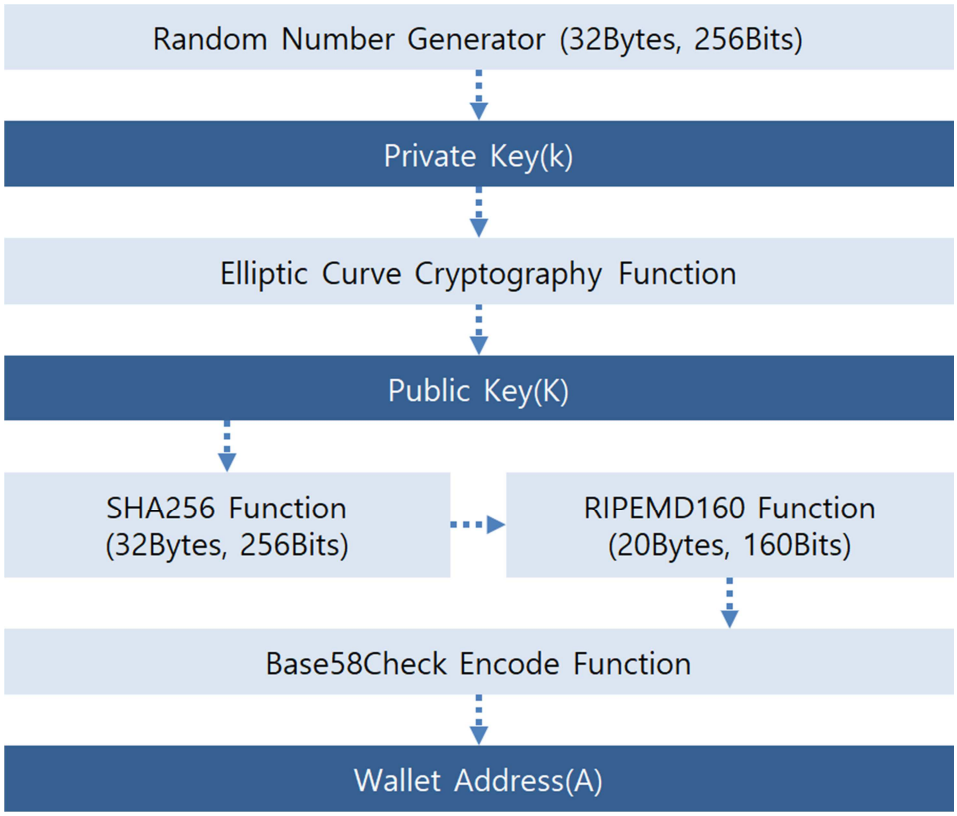
SANTA COIN'S WALLET ADDRESS

Santa coin's comprises alphabetic, address your wallet, and a capital letter 's' and start with, wallet is 36 seats of the address.

SmJGnbn52KBLhA1SqJXxcutawiAyBmbkZfA7
123456789012345678901234567890123456

SANTA COIN'S wallet address is created through several stages, including random number generation, private key generation, public key generation, and wallet address generation.

- Step 1: Create a random number between 1 and 2256 through a random number generator. This creates a 256-bit number.
- Step 2: Find the hash value of the generated random number through the SHA256 hashing function. This hash value is a private key. In fact, this step may be omitted, but it is necessary to generate a higher level of random numbers.
- Step 3: Use an elliptic curve encryption function to change the private key to the public key.
- Step 4: Change the short wallet address so that the public key is easily recognizable.



In the above wallet address generation step, the conversion relationship between the private key, the public key, and the wallet address has one-way characteristics, and it is impossible to convert in the opposite direction. In other words, it is almost impossible to create a public key from a wallet address or to find a private key from the public key.

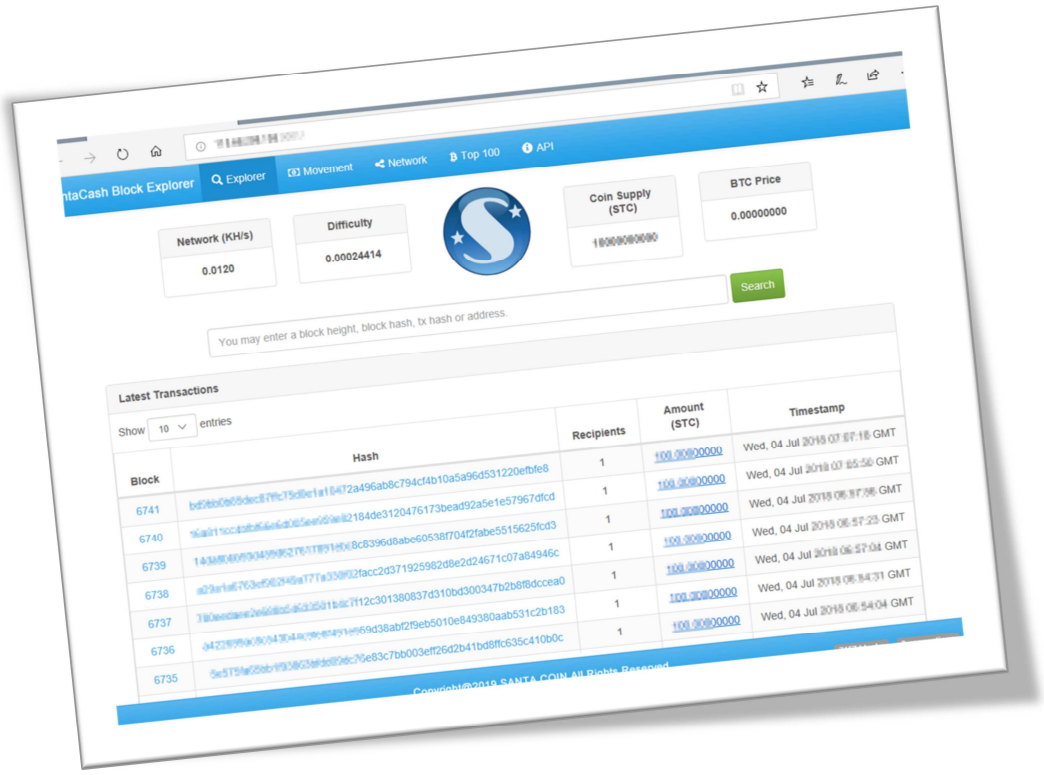
The SANTA COIN'S wallet address is finally created through the Base58Check function, where the characters are capital letters, lowercase letters, and numbers excluding 0 (number zero), O (capital letters o), l (case L), I (capital letters i), + (Plus), and - (Minus) as follows.

123456789ABCDEFGHJKLMNPQRSTUVWXYZabcdefghijkmnopqrstuvwxyz

For reference, Base58 is more readable than Base64. Base64 is an encoding format consisting of 26 uppercase and 26 lowercase letters, 10 numbers, and '+' and '-'.

SANTA COIN'S BLOCK EXPLORER

SANTA COIN'S All transactions can be found in detail through the "Block Explorer" available online.



Items provided by the Santa Coin Block Explorer include recent transactions, coin statistics, block information, transaction information, wallet information, and transaction history information. Through this, anyone can check all SANTA COIN'S Ledgers. In addition, through the block explorer, it is possible to track coin remitter and receiver anonymously for a specific transaction.

The Santa Coin block explorer provides various APIs for external interworking.

SANTA Block Explorer API	
getdifficulty	Returns the current difficulty
getconnectioncount	Returns the number of connections the block explorer has to other nodes
getblockcount	Returns the current block index
getblockhash [index]	Returns the hash of the block at; index 0 is the genesis block
getblock [hash]	Returns information about the block with the given hash
getrawtransaction [txid] [decrypt]	Returns raw transaction representation for given transaction id. decrypt can be set to 0(false) or 1(true)
getnetworkhashps	Returns the current network hashrate (hash/s)

SANTA COIN'S NETWORK

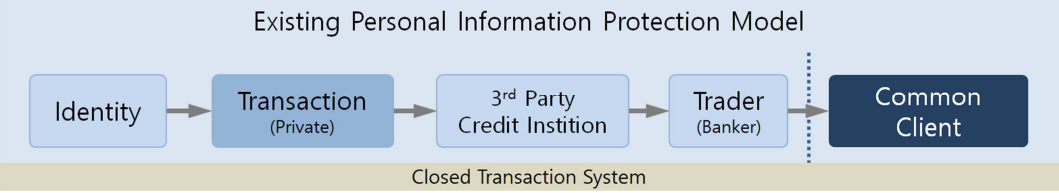
Santa coin's a network to operate the step is as follows :

(1) New transactions are delivered to all nodes.
(2) Each node collects new transactions in a block.
(3) Each node performs a proof of work operation to generate a block.
(4) When a node finds an answer to proof of work, the block is propagated to all nodes.
(5) The nodes accept the block if all the transaction information of the block that has been certified for work is valid and is not used in duplicate.
(6) The nodes implicitly express that they have accepted the block normally by connecting the accepted block to the chain and then performing the task of generating the block.

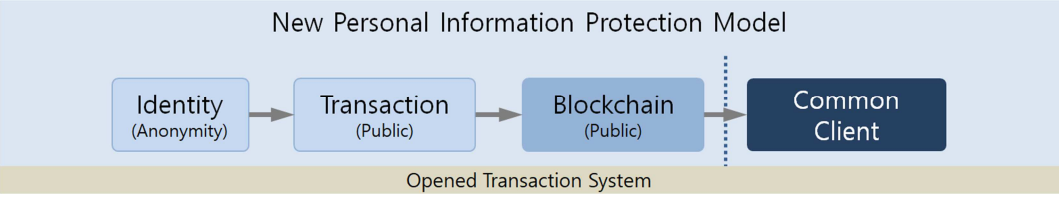
Nodes always think of the longest chain as the right one and work to expand that longest chain. If two nodes find the answer to proof of work at the same time and pass the two blocks to all other nodes, the nodes will receive one of the blocks first. In this case, the node first accepts the node it received as the longest chain and keeps the other block in case it gets longer. These two-pronged chains naturally change the length of each chain over time. Finally, SANTA COIN'S blockchain maintains the blockchain by selecting a longer chain among the two split chains.

SANTA COIN'S PRIVACY

Traditional banking models have protected privacy by restricting access to relevant parties and trusted third-party information.



On the other hand, Santa Blockchain's need to publicly disclose all transactions excludes traditional banking models like this, but privacy can still be maintained by blocking the flow of information elsewhere. This is possible by keeping the public key anonymous.



The general public may know that someone is transferring some funds to someone else, but there is no information about who is carrying out the transaction with.
This is similar to the information rating announced by the stock exchange, which discloses data recording individual trading hours and sizes, but does not tell who the parties are.

SANTA COIN'S SECURITY

In order for Santa Coin, which is developed based on the mainnet, to play a role as a perfect currency, security must be very strengthened. To this end, the Santa Foundation should double-verify all possible coin transactions and prevent false transactions or hacking. If such a security accident occurs, the Santa Foundation will thoroughly prepare and take measures to prevent members from avoiding it.
The following describes the integrated security system pursued by the Santa Foundation, and the development will be carried out by forming its own development team and security team.

Santa Integrated security systems	
Administrative security	Establish and monitor internal regulations for integrated wallet management. It also actively oversees the use of designated security solutions.
Physical Security	It acts on physical network separation for web servers and coin servers, and uses Amazon Web Services (AWS), which is full of basic security.
Technical Security	The wallet is operated separately as Hot Wallet and Cold Wallet to minimize damage when hacking.

SANTA COIN'S APPLICATION

The Santa Coin system can be used in various fields such as payment, compensation, and currency exchange by establishing a bridge server that can link coins and services, and SANTA COIN'S overseas remittance is also possible anywhere in the world. In addition, when the smart POS system, which is scheduled to be developed by itself, is completed, coins can be purchased with credit cards, and the scope of use will be further expanded.

ROAD MAP

2022

3Q - Hybrid Wallet Development

4Q - Will be listed before the Hong Kong Exchange

4Q - 10,000 Santa & Doa Wallet users will be achieved

2021

1Q - Listed on the Doa Coin Poblgate Exchange

1Q - Securing Santa & Doa Coin Mining Ground

3Q - Listed by Doa Token (ERC) Casherrest

2020

2Q - Development and opening of Santa Cash Mainnet wallet

3Q - Completion of the Santa Coin Mainnet and listing on the Poblgate Exchange

3Q - DOA Coin Development Starts

4Q - Securing a Mining Ground

2019

1Q - Santa Cash Project Launches

2Q - Game Item Exchange Mach Project Joint Investment

3Q - Listed by Mahacoin Provit Korea

4Q - Santa Cash Development Starts (Lightcoin Source)

2018

1Q - Thinking Blockchain Corporation established

2Q - Development of Mach, a used exchange market for game items

SANTA COIN'S EXCHANGE LISTING

Santa Coin will be listed on the cryptocurrency exchange to maximize the profits of SANTA COIN'S investors and holders, and to increase the value of SANTA COIN'S and activate SANTA COIN'S trading. The listing of the SANTA COIN'S exchange is an indispensable condition to maintain the Santa Coin ecosystem. The SANTA COIN'S listing will be listed on the Korea Exchange and overseas exchanges.

- **BLOCKCHAIN R&D REAM**

  - ✓ Company name : Thinking Blockchain
  - ✓ Add : HighendTower5cha 1103ho, GasanDigital-1ro 226, Geumcheon-gu, Seoul, Republic of Korea
  - ✓ C E O : David Lee
  - ✓ Technical support : SANTA & DOA Blockchain Development Support
  - ✓ Participation and investment in many domestic blockchain projects
  - ✓ Linkup (External Development Partners)

The general affairs operation will be in charge of the operation, management, and accounting of the entire Santa Vision Corporation, and each business unit will carry out the project.

SANTA COIN'S SALES AND DISTRIBUTION

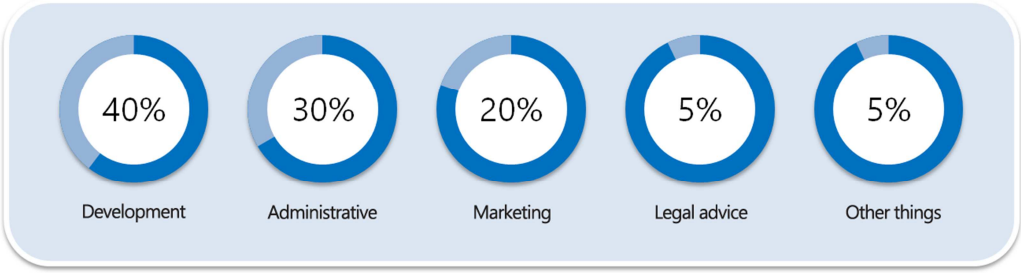
A fund-execution policy

The following shows the ratio of SANTA COIN'S total issuance.

Of the total issuance, 45% will be kept by the Santa Foundation for five years, and 25% will be allocated to coin buyers from coin sales. 10% is distributed to public relations marketing participants for coin sales. 15% is allocated to development team members who are responsible for developing coin sales solutions. The remaining 5% is allocated to the Advisor.

A FUND-EXECUTION POLICY

The following shows the ratio of execution of funds through coin sales.



Of the total funds, 40% will be spent on R&D, and 30% on operational management. 20% is spent on publicity and marketing expenses necessary for doing business, 5% is spent on legal advice, and the remaining 5% is spent on others. The above operating management costs include office rent.

CONCLUSION

Santa Coin is an innovative cryptocurrency based on a transparent and safe blockchain, and aims to be a donation blockchain platform that can benefit all members who use Santa Coin, including Santa operators. To this end, the Santa Foundation will do its best.

ADMONITION

This white paper is intended to help the Santa Vision team understand the project's planned or ready development of a blockchain-based platform. This paper contains various statements and future plans about the Santa Vision team's business model and action plan, use cases, coin sales, etc., and this information does not guarantee the reader that the Santa Vision project will be implemented in the future. Therefore, the information contained in this white paper is incomplete,

legally binding, and does not constitute any contractual relationship.

We are not responsible for any damages, losses, liabilities, or any other damages arising from this white paper and through investment in the Santa Vision Team. Therefore, the reader should not understand the content of this white paper or any communications communicated by the Santa Vision Team or by any other intermediary concerned as a recommendation for legal, financial, tax or otherwise.

The various statements and future plans set out in this White Paper have been considered reasonable based on various factors and assumptions by the Santa Vision Team from the time of writing this white paper to the present day. However, in the Santa Vision team's push for the Santa Vision project, these statements and future plans can produce other results that are not actually wanted by known or unknown risks, uncertainties, and force majeure. Therefore, readers who are participants in this white paper must consult their professional advisors on legal, financial, tax or anything else related.

Finally, we deeply appreciate the support and support of the Santa Vision team, and we promise to do our best for the Santa Vision ecosystem.

First 1.0 VER. 2018. 08

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4.0 VER 2022. 06

