

RapidCoin Space

Universal Peer-to-Peer Hybrid Fusion of Electronic Money Technology Using Global Free Space and Ecommerce Technology

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Rapidcoin.space

Abstract

RapidCoin Space (RCS) is a Cipher Currency type and is the First of its kind in its composition, innovation, implementation and hybrid adaptation. A new breed of powerful online money access which is hybrid in nature because it adapts and can breed to all existing coins available. Giving it the highest rating in its kind for being purely user, space and environment friendly peer-to-peer adaptation of electronic money would allow online payments to be sent directly from one party to another without going through a financial institution. Digital timestamps and signatures provide part of the solution, but the main benefits are lost if a trusted third party is still required to prevent double-spending. We propose a solution to the double-spending problem using a hybrid peer-to-peer network and unique transaction chain checking. The hybrid network timestamps transactions by hashing them into an ongoing chain of hash-based PROOF-OF-FREE-SPACE another term may use is SPACE PACKETS or LIBERTY PACKETS forming a record that cannot be changed without redoing the long entire process from the beginning the longest cipher block chaining, not only serves as verification of the sequence of events witnessed, but proof that it came from the largest pool of Free Disk Space power. As long as a majority of Free Disk Space power is controlled by nodes and unique hard coding and secret words that are not cooperating to attack the network and its flow, they'll generate the longest chain and outpace attackers while giving benefits to the right owner of the generated asset or money. The network itself requires minimal structure and environment friendly approach to community of users. Hard Coded Messages are broadcast on a best effort basis, and nodes can leave and rejoin the set of connections at will, accepting the longest proof-of-space chain as proof of what happened while they were gone. It's main purpose is to provide efficient alternative for Remittance, Freelancing and eCommerce services while at the same time, provide enough interest for global community to participate in. RapidCoin Space is designed to keep things really simple without the advanced features of other cryptocurrencies and ecurrencies but to adapt it and make it versatile in nature. This makes RapidCoin Space very newbie-friendly for those who are just getting into cryptocurrency, ecurrencies, investing and trading. This is a breakthrough to hybrid technology approach since it gives all users the ability to secure everything through unbreakable code of duty and processed nodes and addresses store in the hyper detailed

ledger using FREE Space available. It has its built in policy that, one error in character will trigger error reject full transaction at will to secure the transaction from any attack injection. Community is awarded to easy possess the asset or money available without wasting power, effort and time. All are simplified in one place with direct approach to the main chain of transactions. However, such a rapid upward trend in popularity of cryptocurrencies and ecurrencies came with its hitches that may hinder further development of the digital decentralized currencies: increasing number of attacks and forks that cause double spending and endanger the network security, limited number of available coins and complexity of coin mining, higher transaction processing time and transaction fees, price fluctuations and plunges, centralization concerns, lack of malleability within the network and so on.

RapidCoin Space is a balanced POFS (Proof-of-Free-Space) cipher currency type of coin that successfully tackles the above mentioned issues by leveraging the most helpful features of Proof-of-Free-Space algorithm and makes it even more efficient, flexible, transparent, environment friendly and agile due to the use of Cipher Codes technology. Unlike other proof of capacity ,proof of work or proof of stake coins RapidCoin Space is unique because it has its own algorithm and secret codes that only its possessor can see. Envision a technology that could preserve our freedom to choose for ourselves and our families, to express these choices in the world, and to control our own destiny, no matter where we lived or were born. What new tools and new jobs could we create with those capabilities? What new business and services? How should we think about the opportunities? This is answered by RapidCoin Space as Easy, Simplified and Results base oriented a hybrid coin that can grow and go with the flow whenever, whatever and whoever use it.

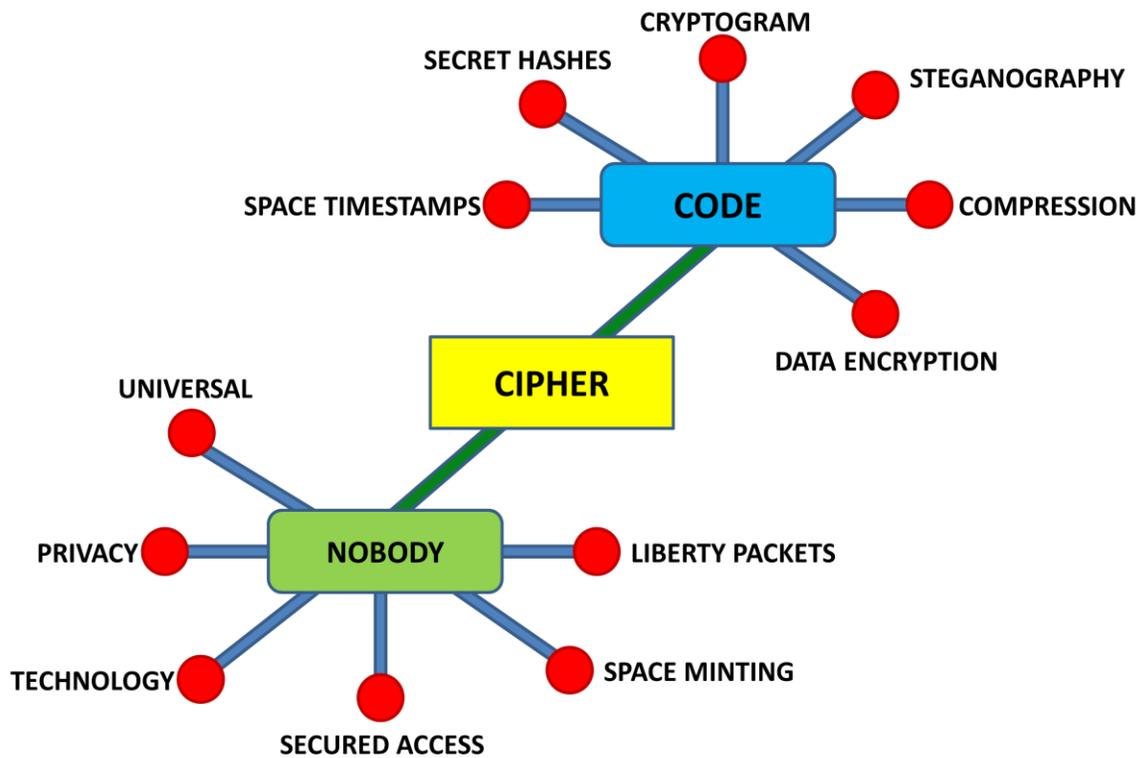
1. Introduction: In this present time the user community needs a powerful and reliable access to online banking to generate results and transactions to the growing demand of offline and online markets. But the burden of charges, unreliable sources and waste of resources are the main devastating effects of ever growing technology even the future is targeted because of wasted energy and hardwares and other privacy databases. That is why this paper is made to solve those hard processes and simplified everything. Trade transactions on the Internet have come to depend solely on monetary organizations filling in as put stock in outsiders to handle electronic payments. While the framework functions admirably enough for most exchanges, despite everything it experiences the characteristic shortcomings of the confide in based model. Totally non-reversible exchanges are not so much feasible, since money related organizations can't abstain from intervening question. The cost of intercession expands exchange costs, constraining the base commonsense exchange size and removing the likelihood for little easygoing exchanges, and there is a more extensive cost in the loss of capacity to make non-reversible payments for nonreversible administrations. With the

likelihood of inversion, the requirement for put stock in spreads. Traders must be careful about their clients, bothering them for more data than they would somehow or another need. A specific rate of misrepresentation is acknowledged as unavoidable. These expenses and payment instabilities can be maintained a strategic distance from face to face by utilizing physical cash, however no system exists to make payments over an interchanges channel without a revealing into a party. What is required is an electronic payment framework in view of cipher codes evidence rather than trust, enabling any two willing party to execute specifically with each other without the requirement for a trusted outsider. Exchanges that is computationally unfeasible to invert would shield merchants from misrepresentation, and routine escrow systems could undoubtedly be executed to ensure purchasers. In this publication, we propose an answer for the twofold spending issue utilizing a shared secured timestamp server using Free Space available reinforced by hard coded algorithms and codes and unbreakable chain of commands and results to produce computational evidence of the sequential documented request of exchanges and announce it to the public that a certain transaction is already done or completed. The framework is secure as long as legit hubs on the whole network control more Space and automatic input data to the secured cipher chain portal and access full control than any coordinating group of attackers. . It's main purpose is to provide efficient alternative for Remittance, Freelancing and ecommerce services while at the same time, provide enough interest for global community to participate in. This paper want you to be part of the solution to make it a better place both community, resources and space are integrated for an innovative hybrid living that are shock proof resistant to any timestamp given since its implementation.

2. Transactions: Cipher currencies are characterized as online or internet coin connected as a chain of digital signatures. Every possessor transmits the coin to the next by digitally signing a mixture of unique secured codes input and out from the hyper journal ledger, the previous deal and the public key of the next possessor and adding these to the end of the coin. A payee can check the digital signatures to confirm the chain of ownership. The issue obviously is the payee can't confirm that one of the proprietors did not twofold spend the coin. A typical arrangement is to present a confided in focal expert, or space mint using Proof of Free Space, that checks each exchange for twofold spending. After every exchange, the coin must be come back to the mint to issue another coin, and just coins issued straightforwardly from the mint are trusted not to be twofold spent. The issue with this arrangement is that the destiny of the whole cash framework relies upon the organization running the mint, with each exchange going through them, much the same as a bank. RapidCoin Space will have online wallet, mobile wallet and desktop wallets for Linux, Mac and Windows or future platforms. An online wallet API will also be created in order for other developers be able to adopt RapidCoin Space as a mode of payment in their systems. We require a path for the payee to realize that the past proprietors did not sign any before exchanges. For our motivations, the most punctual

exchange is the one that matters, so we couldn't care less about later endeavors to double spend. The best way to affirm the nonappearance of an exchange is to know about all exchanges. In the space mint based model, the mint knew about all exchanges and chose which arrived first. To achieve this without a put stock in party, exchanges must be freely reported, and we require a framework for members to concur on a solitary history of the request in which they were gotten. The payee needs evidence that at the season of every exchange, the larger part of hubs concurred it was the primary got.

3. Timestamp Space Server - The solution we propose begins with a timestamp space server. A timestamp server works by taking a coded hash of a block of items to be timestamped and widely publishing the hash, such as in a newspaper or Usenet post. The space timestamp proves that the data must have existed at the time, obviously, in order to get into the hash. Each timestamp includes the previous timestamp in its hash, forming a cipher chaining. Cipher chaining is a technique for block chaining in which each block of ciphertext is produced by adding, through the EXCLUS VE operation, the previous block of ciphertext to the current block of plaintext which is hardly coded to secure all transactions in a safe place not compromising the possessor and its members. With each additional timestamp reinforcing the ones before it. Forming an umbrella of processes connections.



4. Proof-of-Free-Space (POFS) - To implement a distributed unique timestamp server on a peer-to-peer basis, we will need to use a **Proof-of-Free-Space** system also called as SPACE PACKETS or LIBERTY PACKETS, rather than newspaper or Usenet posts. The Proof-of-Free-Space involves scanning for a value that when hashed, the hash begins with a number of zero with 8 decimal places from the whole number. The average work required is exponential in the number of zero bits required and can be verified by executing a single hash. RapidCoin was initially created to have a Proof-of-Free-Space Phase for the its available blocks. With Proof-of-Free-Space, a 5% under cropping mode rate annually is being applied meaning the RapidCoin Space in a certain wallet will execute a flopping RapidCoin at a rate of 5% per annum based on how many RapidCoin value on that time. In Proof-of-Free-Space, Age which means users doesn't have to mint or have their wallets connected to the Internet. For our timestamp network, we implement the Proof-of-Free-Space by incrementing a nonce in the block until a value is found that gives the block's hash the required mined coin. Once the FREE SPACE calculations and encryption effort has been expended to make it satisfy the Proof-of-Free-Space, the block cannot be changed without redoing the work. As later blocks are chained after it, the work to change the block would include redoing all the blocks after it. The Proof-of-Free-Space also solves the problem of determining representation in majority decision making. If the majority were based on one-IP-address-one-vote, it could be subverted by anyone able to allocate many IPs. Proof-of-Free-Space is essentially one-FREE SPACE-one-vote. Usually this is calculated by 10,000 schemes per vote. The majority decision is represented by the longest cipher chain, which has the greatest Proof-of-Free-Space effort invested in it. If a majority of FREE SPACE power is controlled by honest secured unique nodes, the honest chain will grow the fastest and outpace any competing chains. To modify a past chunks of minting, an attacker would have to redo the proof-of-space of the block and all blocks after it and then catch up with and surpass the work of the honest nodes then the secret codes will takes place to secure everything and give the right coin reward to the right owner of the free space.

5. Network and How it Works: Nodes always consider the longest chain to be the correct one and will keep working on extending it. If two nodes broadcast different versions of the next block simultaneously, some nodes may receive one or the other first. In that case, they work on the first one they received, but save the other branch in case it becomes longer. The tie will be broken when the next Proof-of-Free-Space is found and one branch becomes longer; Below are procedure and unique formula of the FREE SPACE minting.

- a.)Downloading or synching RapidCoin Space's unique history journal ledger from its own Cipher Chaining technology.
- b.)An available public program will be provided and must read the Journal Ledger for the synching to complete. Each node collects old to new transactions into a block.
- c.)Writing a plotting scheme frame to the Free Space available.
- d.)After calculating plots (The miner can start mining)
 - d.1.)Execute Miner Command Prompt
 - d.2.)Miner will find right timing to input the generated codes in the journal ledger. Depends to the difficulty. (Difficulty increases every 3months at 12% - quarterly - making it more friendly for minters)

d.3.)Reward will be given to the miner/minter once successfully input the plot codes to the Journal Ledger. (Rotation of cipher chain takes place making every minter to wait for their turn to input their own timestamp in the Journal Ledger.

d.4.)The miner/minter will put a encrypted mark seal to the Journal Ledger of its completed task, mine, coin or reward.

e.) Successful possession of the minted coin to the space owner will be credited to their respective wallet or exchange portal.

6.) Network Unique Simplified Formula: I personally made a unique formula to simplified process of section 5 above and to read it uniquely with no any connection to other existing manifesto and formulas.

$$J+S(P+Sp)M+Dif=C$$

To read this below is the Abbrev.Symbol

- J** = **Journal Ledger**
- S** = **Sync Read to Complete**
- P** = **Plot**
- Sp** = **Space in HDD/Free Drive Space/Space Packets**
- M** = **Miner generating codes**
- Dif** = **Difficulty**
- C** = **Generated RapidCoin Space**

After successful process the system simply repeat it to generate another coin. Again all every plot scheme must wait for its turn in a poll to take place and be successfully awarded to the minter.

7. Incentive By Rule: The first transaction in a block is a special transaction that starts a new coin owned by the creator of the chunk. This adds a motivation for nodes to support the network, and provides a way to initially distribute coins into circulation, since there is no central authority to issue them. The steady addition of a constant of amount of new coins is analogous to gold miners expending resources to add gold to circulation. In our case, it is FREE SPACE time and electricity that is expended. The incentive can also be funded with transaction fees. If the output value of a transaction is less than its input value, the difference is a transaction fee that is added to the incentive value of the block containing the transaction. Once a predetermined number of coins have entered circulation, the incentive can transition entirely to transaction fees and be completely inflation free. The incentive may help encourage nodes to stay honest. If a greedy attacker is able to assemble more Free Space power than all the honest nodes, he would have to choose between using it to defraud people by stealing back his payments, or using it to generate new coins. He ought to find it more profitable to play by the rules, such rules that favour him with more new coins than everyone else combined, than to undermine the system and the validity of his own wealth. The awarded coins can be used to provide a better alternative to the current systems of money transfer of cryptocurrencies and currencies as a hybrid adaptable kind of environment in Freelancing, Peer to Peer, Buy and Sell, Products, Services, Remittance and eCommerce. The services that

RapidCoin Space will launch are all basically free – making RapidCoin Space the cheapest way of transmit money. To keep the cost at the barest minimum, the remuneration of the developers and overhead expenses are paid up during the ICO period. Should there be fees necessary for the aforementioned service-usage of RapidCoin, these costs would also be minimal – simply enough to make the system run smoothly.

8. Privacy and Security: The traditional banking model achieves a level of privacy by limiting access to information to the parties involved and the trusted third party. The necessity to announce all transactions publicly thru journal ledger precludes this method, but privacy can still be maintained by breaking the flow of information in another place: by keeping public keys anonymous. The public can see that someone is sending an amount to someone else, but without information linking the transaction to anyone. This is similar to the level of information released by stock exchanges, where the time and size of individual trades, the "tape", is made public, but without telling who the parties were. As an additional firewall, a new key pair should be used for each transaction to keep them from being linked to a common owner. Some linking is still unavoidable with multi-input transactions, which necessarily reveal that their inputs were owned by the same owner. The risk is that if the owner of a key is revealed, linking could reveal other transactions that belonged to the same owner.

9. Users and Miners: The existing modes of payment available for the users and miners charge everyone with enormous fees. Coupled with long waiting time before one may be able to withdraw the funds. RapidCoin will be a breakthrough to create a system that will allow freelancers to receive their money fast and without the need of paying huge fees together with a much shorter time of withdrawing the funds. The remittance platform will allow one to transfer RapidCoin and make use of the service free of charge or if any super minimal only, unlike the current remittance companies and exchangers that are charging huge fees. It will also allow you to have it converted into any global currency with ease since this is a hybrid adapting coin you own a global economy. Fund transfers to some accounts are way too expensive. RapidCoin Space will change that by making use of APIs that they can apply in a very cheap and easy way.

RapidCoin Space Conversion

0.00000001 = 1yoshi

0.00001000 = mdaike

0.00100000 = daike

1.00000000 = 1 RPC

10.Future Plans: RapidCoin Space Development Team will create Marketplace, Hybrid Platforms and many more that cryptocurrencies and ecurrencies as well as fiat global money or even futures, stocks and precious metals can be of use. RapidCoin Space usage is not only limited to the basic services, it can also be used by anyone who wish to have their own payment system and adopting RapidCoin as their payment platform free of charge or if any

super minimal. We are preparing for a huge revolutionary developments. I better keep it first so that It will be exposed in the right time.

11. Conclusion: This whitepaper has been prepared for purposes of offering the most detailed informations—concerning its key characteristics and features, the most important technologies used in its development, and risks associated with it as well as all measures that will be used to manage such risks —that will be understandable by and helpful to both a beginner user and an IT and specialist. We have succeeded in finding out and establishing that Proof-of-Free-Space system RapidCoin Space is based on proves to be a more secure, just, and eco-friendly as well as less corrupt and less difficult to use alternative to Proof-of-work, Proof-of-Stake and Proof-of-Capacity algorithm.

At the same time, the latest technologies that RapidCoin Space is powered on minting, faucets, polls, proprietary features like cloud mining, lightweight wallet, and forging incentives make it a truly agile, cost efficient, and user-friendly tool that can answer and satisfy the needs for financial freedom of any person irrespective of their place of birth, technical competence, or social status. As you can see, RapidCoin Space is named as cipher currency first of its kind and made simple to become energy efficient and environment and user friendly. There are many proofs in the market but RapidCoin Space is not comparable to them. Even a grade school can use it. Its strength and focus will be on the services being provided as a Hybrid adapting coin. Future developments are on the horizon with the ever increasing technological advancements. RapidCoin Space with its focus on basic services and benefits will surely be maximized. Using FREE SPACE and LIBERTY PACKETS in any storage is a powerful modernization of its infrastructure.