

Technology White Paper

Rapids



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Abstract

Social Networking has been increasingly incorporated throughout our lives as technology progresses. More and more of our lives are being spent in online environments, building relationships and conducting business. Alongside Social Networks, Blockchain technology has recently been unveiled, providing digital financial systems which can benefit us while interacting online.

The underlying Blockchain Technology of Bitcoin (BTC) has shown that our traditional financial systems can be altered to function through similar, alternative cryptocurrencies and with the increase in popularity of Social Networking, sending payments across multiple platforms can be as simple as a few clicks of the mouse.

Rapids aims to conjoin the two advancing fields of Social Networking and Blockchain Technology through the revealing of Rapids coin. Rapids coin will enable the user to send money across all Social Media platforms and directly exchange cryptocurrency into fiat currency. Proprietary technology provided by Rapids development will support the use of cryptocurrency throughout all internet-enabled devices and platforms. With the introduction of Rapids coin, transacting online just became faster and more convenient.



Background

Social Media platforms such as Facebook and Instagram have attracted considerable attention with 2016 estimates of over 1.79 billion and 500 million monthly active users, respectively [3]. The number of Social Media users continues to expand annually and along with them, comes profits.

Last year in 2017, Social Networks reported revenues of 41 Billion US Dollars [4]. The financial market for Social Media also increases along with the number of users. Rapids intends to capitalize this lucrative market by introducing cryptocurrencies into the fold, allowing online peer-to-peer and business-to-business transactions in the quickest and most secure fashion.

Rapids development began from skilled and experienced cryptocurrency advocates from various backgrounds and multiple cryptocurrency projects. We have all previously worked on cryptocurrency projects and took that invaluable experience with us to incorporate within the development and coordination of Rapids.

Together we will ensure Rapids coin takes cryptocurrency to the next level by offering an easy-to-use system implemented throughout the online environments the world uses on a daily basis. Social networking sites are commonplace, and cryptocurrencies are gaining recognition throughout our more traditional financial markets. To fuse the two fields together, we have launched Rapids – promoting direct transactions of cryptocurrency by making their use and applications manageable and convenient.



User Experience

Social Networking platforms are focused on the User Experience of each user. Our philosophy parallels the ideals of Social Networking sites – directing our efforts towards the User Experience of the Rapids platform. We will foster the accessibility and practicality concerning the use of Rapids and all Rapids platform applications.

Rapids will allow the user to send money to their friends, family, colleagues, companies, or even anonymous individuals. The speed of cryptocurrency transactions is apparent through their constant utilization and adoption as their prevalence continues to broaden. Rapids will leverage the versatility of cryptocurrencies not only by permitting their exchangeability across Social Networking platforms but also through the interchangeability of Rapids coin into the fiat currency of your choice.

Social Networking enables the world to interact in various ways – sending private messages, posting essential events, marketing business materials, among many other things. Rapids users will have that very same experience with Rapids coin by presenting the capability to share and gift tokens amongst each other. Rapids coin will also benefit businesses by expediting the payment process across the blockchain.

Businesses will be able to purchase inventory or accept payments from customers within the same day, with nominal fees. By utilizing Rapids coin, businesses or individuals no longer need to wait for a bank transaction to clear, similar to what is experienced with present-day wire transfers. Rapids coin offers direct and immediate payment to the recipient.



Rapids Payment



A Rapids user sends an RPD payment across the blockchain. The receiver obtains the sent funds in their Rapids wallet quickly and safely. Since Rapid payments are enabled upon Social Networking platforms, both parties only need the account name or handle of the other party instead of the standard yet complicated sending and receiving addresses associated with cryptocurrency payments. Rapids user experience assures Rapid payments are readily adopted and easily manageable.



Technologies

What is Rapids Coin?

Rapids Coin (RPD) is an open-source blockchain project implementing cryptocurrencies throughout Social Networking platforms. Any transactions online can be completed efficiently, economically, and almost effortlessly utilizing Rapids Coin across the Social Networking platform of your choice. Rapids Coin strives to make the experience of sending cryptocurrency, the most straightforward action to accomplish online, focusing on the user experience as the utmost importance.

Rapids Token Specifications

Name: Rapids Token

Ticker Symbol: RPD

Type: ERC20 Token

Total Supply: 35 Billion

Initial Distribution: 15 Billion

Rapids Coin Specifications (Post-Swap)

Name: Rapids Coin

Ticker Symbol: RPD

Type: PoS (Proof of Stake)

Algorithm: Nist5

Total Supply: 35 Billion



Development

Analogous to every other cryptocurrency project, the Rapids Development Team has begun working from the ground up. The initial stages of development are comprised of the foundational components required to launch a blockchain project.

Rapids Features

- Speed – quick transactions across the blockchain
- Security – Nist5 algorithm
- Fungibility – exchangeable into other cryptocurrencies or fiat
- Practicality – used on existing Social Media platforms

Key Technologies

Rapids is a token in the initial stages of development and will be swapped to a stable, proprietary blockchain based on the Nist5 algorithm. The Nist5 algorithm will be enabled after the completion of the token swap and consists of a combination of finalists from the National Institute of Standards and Technology [5]. The competition was held to find the next SHA-3 hashing algorithm and resulted in the creation of Nist5. Nist5 exhibits the best security and performance available, collected by the optimal features of each of the following finalists:

- BLAKE
- Grostl
- JH
- Keccak
- Skein



The successful migration of the Rapids token to the Rapids Nist5 blockchain will establish Rapids as a PoS cryptocurrency. Rapids will adopt the Proof of Stake (PoS) consensus algorithm, providing paramount security from 51% attacks, possible through the Proof of Work (PoW) protocol utilized by cryptocurrencies such as Bitcoin (BTC). Coupled with the added security offered by Proof of Stake, the PoS protocol is more readily adopted due to its simplicity.

Proof of Work requires expensive hardware, more computing power, and specialized technical knowledge based on computer hardware and hashing algorithms. Proof of Stake only requires a Rapids wallet and an internet connection, allowing the user to store Rapids within their wallet to support the Rapids network. By maintaining a positive balance within the Rapids wallet, the user's balance assists in validating transactions upon the blockchain and therefore, earns block rewards.

Proof of Work is also more centralized in nature as the miners with the most equipment will obtain the most rewards and therefore, have control over the majority of the network. Proof of Stake distributes block rewards in a more balanced fashion, producing a decentralized network. For these reasons, the Rapids Team has adopted a Proof of Stake consensus for the Rapids blockchain. Further information regarding the function of the Proof of Work (PoW) and Proof of Stake (PoS) consensus algorithms can be located within the Bitcoin and Ethereum White Papers, respectively.

Currently, Rapids tokens are hosted on the Ethereum Blockchain as ERC20 Tokens. The Ethereum Blockchain allows for decentralized data storage surrounding every transaction performed with Rapids tokens. This assures the method of recording transactions is trustless, efficient, and invariable. The launch of Rapids token means an established blockchain from which the project can further its proprietary development.



Proof of Work vs. Proof of Stake



Proof of Work is a protocol with difficult & time-consuming problems to solve.



Proof of Stake requires users to hold coins within their wallet to mint new coins.



The miner who solves the problem in a block receives a reward.



Wallets which are staking coins comprise the blockchain network.



Miners attempt to solve the block problems and thereby make up the blockchain network.



Proof of Stake requires no specialized hardware making it cost-effective and resistant to 51% attacks.



Platform Development

The Rapids Team has set an ambitious timeline to execute the development of Rapids coin and its Social Media integration.

Q4 2018

- Distribution of tokens
- Listed on at least two exchanges
- Reach 4,000 members between Telegram & Discord

Q1 2019

- Rapids swap to Nist5 algorithm
- Windows/Mac/Linux desktop wallets
- PoS of 30% coded into blockchain

Q2 2019

- Release of iOS and Android wallets
- Establish strategic partnerships
- Get listed on high volume exchanges

Q3 2019

- Integration of Rapids/fiat exchange to android/iOS wallets
- Atomic Swaps
- Creation of widgets for social media sending

Q4 2019

- Apply to Visa for pre-paid debit card licenses
- Integrate Visa pre-paid debit cards to Rapids apps/wallets
- Impact marketing



Once the Rapids platform has launched the Wallet App and has been integrated within at least two cryptocurrency exchanges, the Rapids Team will hold a token swap into the host Rapids blockchain built upon the Nist5 algorithm. This process will be a fluid progression where the exchange will facilitate the swap from the ERC20 Token into the Nist5 Rapids coin. In this manner, your Rapids tokens will be secure until the swap process has concluded.

After the Rapids swap has finalized, the Rapids Team will focus on the next stages of development. These subsequent stages of development include the Rapidswap protocol, Web Browser Widgets integration, Mobile app, and Visa Debit card distribution. Their future implementation will allow Rapids coin users to perform fungible, immutable operations.

- Rapidswap protocol – provides a means of swapping fiat currency for Rapids or obtaining Rapids from fiat currency.
- Web Browser Widgets – allow the user to interact with Rapids within online environments.
- Mobile app – Perform the same functions on mobile devices – transact with Rapids across Social Media & hold Rapids within the mobile-enabled wallet.
- Visa Debit card - The issuance of Visa Debit cards to Rapids users will be gratis, provided the user has retained Rapids within their account.

Rapids Adoption

Rapids integration throughout Social Media Networks will incite the establishment of the Rapids platform in three stages:

1. Propel network and user adoption for the Rapids platform.
2. Enable Wallet & Mobile app to swap Rapids into fiat currency.
3. Develop rewards and benefits for Rapids users.



Development Roadmap

ROADMAP



DISTRIBUTION OF TOKENS



Division
■ Airdrop ■ POS (post swap) ■ Development pool



LISTED ON AT LEAST 2 EXCHANGES



Details

- Small Exchange
- Middle Exchange
- Bonus Exchange

REACH 4,000 MEMBERS



Social Network

Telegram



Discord



Development Roadmap



RAPIDS SWAP
TO OWN
ALGORITHM



RELEASE OF
DESKTOP
WALLET



PROOF OF STAKE
(POS) ENCODED



**DON'T CALL IT A
DREAM.
CALL IT A PLAN!**

Algorithm

Nist5 or another based on PoS
consensus

Details

- Windows wallet
- Mac wallet
- Linux wallet

Ratio

- 30% Rewards (the first year)
- 15 billion of stake rewards



Development Roadmap

**WE ARE
#RAPIDS!**



**Q2
2019**

RELEASE OF
ALTERNATIVE
WALLETS



Several Wallets

- Release of IOS wallet
- Release of Android wallet
- Release of Web wallet

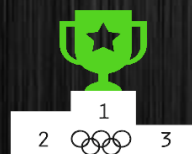
ESTABLISH
INITIAL
PARTNERSHIPS



Several Wallets

Strategic partners with long-term vision

GET LISTED ON
A HIGH VOLUME
EXCHANGE



(e.g. hitBTC)



Development Roadmap

Q3
2019

INTEGRATION
OF
RAPIDS/FIAT



NEVER GIVES UP!

Details

- Integration FIAT/RPD to IOS wallet
- Integration FIAT/RPD to Android wallet

ATOMIC
SWAP



Exchange Rapids (RPD) for another cryptocurrency without the need for a trusted third party

CREATION OF
WEB BROWSER &
SOCIAL MEDIA
WIDGETS



Stop Sending Likes, Start Sending Cryptocurrency



Development Roadmap

**A GOAL IS A
DREAM WITH A
DEADLINE !**



RAPIDS VISA
DEBIT CARDS



Apply to Visa for pre-paid
debit card licenses

RAPIDS DEBIT
CARD
IMPLEMENTATION



Visa pre-paid debit cards
with Rapids apps/wallets

IMPACT
MARKETING



Rapids marketing will be
consistent during the initial
stages of development but will
expand during the Q4 2019
marketing campaign



RAPIDS Team

The Rapids core development team has been assembled from experienced and ambitious cryptocurrency advocates. Each of us has had experience on other cryptocurrency projects and we bring that invaluable knowledge with us to develop the Rapids platform. Our team can be contacted through the Rapids Telegram:

[@Mrdecafe](#)

– Corey S. – UK – Founder/CEO – worked on multiple cryptocurrency projects with focus on the marketing sector.

[@Martosch](#)

– Marco – Germany – Social Network Administrator – multiple years of experience as a graphic designer.

[@stunad620](#)

– Nick – U S A – Lead Marketer – Performance analyst, youtuber, and Vice President of LearnCrypto.io.

Devlin

– Asia – Lead Developer – Main blockchain developer with previous work on various cryptocurrency projects.



[@AlParks](#)

– Allan Parks – France – Lead Marketer – Several years of marketing experience with social networks specialization and graphic design.

[@UnderTowCrypto](#)

– Geoff E. – U S A – Content Creator/Technical Writer – Cryptocurrency advocate from New England with several years of writing, editing, and proofreading experience.

[@Mr.PablitoEscobar](#)

– Javier T. – Spain – User Support and Social Network Manager – Blockchain supporter; in charge of community guidance and outreach.

[@KaktusJones](#)

– Raci C. – Germany – Cryptocurrency proponent from Northern Germany providing web design and marketing knowledge backed by several years of IT experience, HTML, PHP, and Joomla.



Conclusion

In this paper, we have presented the concept of Rapids integration throughout Social Media networks and online environments. The preliminary stages of Rapids development will initiate with an ERC20-based smart contract to create a foundation for the evolution of Rapids. Exchange listings will expedite the swap from the Ethereum blockchain to the host blockchain based on the Nist5 algorithm and Proof of Stake consensus algorithm.

The primary goal of Rapids is to integrate a secure, easy-to-use cryptocurrency within the social platforms that we use daily. Once adoption of Rapids has expanded, Visa Debit cards will be issued to Rapids holders to enable them to use their Rapids anywhere that accepts Visa. The merging of Social Media Networks and blockchain technology will forge the underlying technology of Rapids and permit its use in the most straightforward fashion by allowing users to transact almost effortlessly.

This whitepaper has been presented as the preliminary technology paper for the Rapids project. Updates to this technology paper will be a continual process as the project continues to develop and achieve the goals laid out in this whitepaper. Join the Rapids community through our Social Media presence to receive project announcements and updates.



Disclaimer

This whitepaper has been presented for the sole purpose of informing potential Rapids (RPD) users and potential contributors to the Rapids platform. This document is a non-binding whitepaper and produces no contractual obligations for any person. The Rapids team does not accept legal liability in any form or fashion, in connection with the reliability, thoroughness, preciseness, or currency materials presented within this whitepaper.

This whitepaper was created for informational purposes only and does not constitute legal trading advice. Investors and potential Rapids users should consult professional, legal advice before investing or completing any transactions utilizing Rapids based on information displayed in this whitepaper. This whitepaper is not a solicitation to purchase Rapids or invest in the Rapids platform.

The Rapids team reserves the right to abandon and modify the Rapids platform or alter the implementation of Rapids revealed in this whitepaper at any time and for any reason. Potential users and prospective investors of Rapids and the Rapids platform are advised to contribute, invest, and/or participate at their own risk.



References

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