REACTION
COIN

Empowering the Future
of Transactions
and Communication

https://reaction.network

1. Reaction Chain

Reaction (RTC) is an innovative cryptocurrency designed to capture the diverse reactions of the world to various events, while simultaneously serving as a powerful example of how a chain reaction can unfold in the cryptocurrency market. RTC not only stands for „Reaction," but also for „Revolutionizing Token Currency," as it represents a revolutionary approach to how a simple idea can evolve into a significant success within the cryptocurrency universe. We're a secure anti ASIC/FPGA PoW Cryptocurrency building for Asset creation, Futures, and Smart Contract, while remaining Resistant to 51%/Double spend attacks.

2. The Core Concept

The idea behind Reaction (RTC) is to leverage the way people, markets, and news react to specific events to enhance the value of the cryptocurrency. RTC acts as a digital representation of real-world reactions, whether they stem from political events, technological breakthroughs, or cultural trends. This concept is not only understood as a theoretical concept, but also as a functional element integrated into the RTC blockchain.

As the name suggests, Reaction (RTC) also serves as a living example of a chain reaction within the cryptocurrency market. The initial idea behind RTC transforms into an amplifying movement as more people become aware of and engage with the cryptocurrency. Users' positive reaction to RTC leads to an increased demand, subsequently driving up the token's value. This, in turn, attracts more investors and enthusiasts who contribute to further value appreciation—a continuous chain reaction of success.

3. The Vision

Reaction (RTC) aspires to be more than just a cryptocurrency; it aims to be a vibrant platform for the exchange of thoughts, ideas, and reactions to global events. By acting as a conduit for the world's reactions, RTC establishes a novel connection between the digital and real worlds. Reaction's vision is to unite a broad community of individuals actively shaping and developing the cryptocurrency, thereby initiating a sustainable and dynamic chain reaction of progress.

In essence, Reaction (RTC) represents not only a cryptocurrency but also a movement that harnesses the power of reactions in the world to showcase an impressive chain reaction within the cryptocurrency market. It embodies the transformation that a single idea can bring about when propelled by a dedicated community—a true inspiration for the decentralized finance sector and beyond.

4. Tokenomics and Mining

In contrast to numerous other cryptocurrencies, Reaction stands out by not having any premined coins or conducting an Initial Coin Offering (ICO). Instead, all developer's earnings are derived from a 5% developer's fee, aligning their interests with the long-term growth and maintenance of the project. The total coin supply is capped at 21,000,000,000 RTC.

Reaction operates as a Proof of Work (PoW) / Proof of Stake (PoS) Hybrid coin, enabling mining using either a CPU or GPU, utilizing the Ghostrider algorithm. Notably, Reaction boasts resistance to ASICs, notorious for their energy-intensive nature. Every two minutes, a new block is generated, and within each block, a reward of 5,000 RTC coins is distributed as follows:

3,750 coins are allocated to miners
1,000 coins are granted to Smartnodes owners
250 coins contribute to the developers' fund

5. Wallet

The Reaction desktop wallet is compatible with all major operating systems, including MacOS, Windows, Linux, Raspberry Pi OS, and Ampere. After downloading the wallet, you have the option to encrypt it, requiring a password for decryption. It is strongly advised to promptly create backups of both the password and the „wallet.dat" file on two separate flash drives for added security.

6. SmartNodes

SmartNodes within the Reaction network serve as hosts for complete copies of the blockchain data, delivering an exclusive second layer of services to the network. These services enable advanced functionalities like InstantSend.

Additionally, SmartNodes play a crucial role in enhancing the security and decentralization of the blockchain. Through SmartNode's ChainLock feature, uncertainty in receiving funds is reduced, and the risk of 51% mining attacks is eliminated. With each block, multiple SmartNodes are chosen, and each SmartNode signs the first block it encounters. When a sufficient number of members observe the same block as the initial block, they can efficiently disseminate it to all nodes within the network.

SmartNodes do not necessitate specialized equipment and can be effortlessly enabled and accessed directly from the wallet. The minimum system requirements for a machine to operate a SmartNode are as follows:

• 2 core CPU   • 2-4 GB RAM

• 25GB SSD   • Static ip/connection

7. Collateral Requirements for SmartNodes

In order to establish a SmartNode, the user is required to offer collateral whose amount is contingent upon the current block height (refer to the table below). This entire collateral sum should be sent in a single transaction to a selected wallet. One notable advantage of staking with SmartNodes is that the collateral remains unlocked and can be promptly reclaimed by disassembling a SmartNode at any moment.

Block height	Collateral
0 > 88719	600,000 RTC
88720 > 132719	800,000 RTC
132720 > 176719	1,000,000 RTC
176720 > 220719	1,250,000 RTC
220720 > 264719	1,500,000 RTC
264720 > ∞	1,800,000 RTC

8. SmartNodes Reward

The precise Return on Investment (ROI) is contingent upon both the quantity of SmartNodes within the network and the collateral amount necessary for SmartNode setup.

9. NFT

One of the milestones in the RTC project revolves around the establishment of the Reaction NFT Asset. This integral component, meticulously designed within the project's framework, is poised to become one financial cornerstone. Within this NFT system, the power of Reaction coins will be harnessed to facilitate transactions, making it the nucleus of the project's operations.

Within this innovative NFT marketplace, users will have the opportunity to both list their personal NFTs for sale and acquire NFTs offered by others, all conducted using RTC tokens.

Crucially, Reaction will channel all proceeds generated from these NFT sales directly into the ReactionChain Core System, ensuring that every transaction contributes to the project's objectives. Users will also have the option to contribute a portion of their earnings from these transactions to support the project's mission.

10. The ReactionChain Core System

Reaction (RTC) aspires to be more than just a cryptocurrency; it aims to be a vibrant platform for the exchange of thoughts, ideas, and reactions to global events. By serving as a conduit for the world's reactions, RTC establishes a new connection between the digital and real worlds. Reaction's vision is to unite a broad community of people actively shaping and developing cryptocurrency, thereby triggering a sustainable and dynamic chain reaction of progress. Essentially, Reaction (RTC) represents not only a cryptocurrency but also a movement harnessing the power of reactions in the world to showcase an impressive chain reaction in the cryptocurrency market. It embodies the change a single idea can bring about when driven by a committed community—a true inspiration for the decentralized finance sector and beyond.

Implementation of the System

To realize Reaction's (RTC) vision and respond to the influences of the world, we propose the implementation of an advanced system. This system will analyze and assess significant events in the world using artificial intelligence (AI). It will capture various reactions from different media sources and actions of individuals, integrating them into the RTC blockchain via block transaction message as hash viewable primarily in the QT client under the category events.

Overview	Send	Receive	Transactions	CoinJoin	Smartnodes	Events
Balances (out of sync)				Recent transactions (out of sync)		

Event Analysis through Artificial Intelligence (AI)

At the core of this system is a powerful artificial intelligence capable of capturing and analyzing real-world events. This AI will continuously scour relevant news sources, including news portals, social media, political events, and technological developments. It will employ specific keywords and key phrases to identify events that could be significant for RTC.

Reaction Assessment

Once relevant events are identified, the AI will assess the reactions to these events. This includes not only quantitative analysis of social media posts but also sentiment analysis to determine whether reactions are positive or negative. Furthermore, the AI will analyze the impact on the cryptocurrency market to ascertain how the event affects the value of RTC.

Integration into the RTC Blockchain

The captured information about events and reactions will be integrated into the RTC blockchain in the form of transparent and immutable records visible to all RTC users. This ensures that the information is trustworthy and traceable. It remains to vote whether we use an entire pool (public) to send partial amounts to these wallets also automatically based on a scale with the AI. Scale in the sense of severity & personal assessment, as well as assessment of future rules not yet defined.

Technically there is still an obstacle, how can we ensure that the created wallet including private key gets there SECURELY?
It must:
- Ensure that there is not a single human in the communication between blockchain and event.
- The private key must be sent securely and without detours to the respective organization.
  And this is precisely the crux of the matter.

We are completely transparent, provided that we reach a wider range, this very point can be done by theirself. This is and remains the safest method.

Conclusion

The implementation of such a system for capturing and assessing the world's influences on Reaction (RTC) has the potential to make the cryptocurrency an even more dynamic and responsive platform. It will not only be seen as a financial asset but also as a source of current information and reactions to global events. This contributes to establishing RTC as a platform that revolutionizes not only the cryptocurrency market but also the connection between the digital and real worlds.

11. Legal Disclaimer

This white paper is an integral part of the RTC ecosystem, and it is imperative that you read this disclaimer and consider its contents before engaging in this project. Its primary audience is those individuals to whom the RTC ecosystem offers the opportunity to purchase Reaction tokens. This white paper is specifically tailored for participants in the Reaction token sale. It is important to note that the document and the information contained herein are not exhaustive and do not intend to establish contractual terms. The main objective of this white paper is to provide prospective token holders with sufficient information to conduct a comprehensive analysis of the project, enabling them to make an informed decision. We strongly urge you to thoroughly review this white paper, along with any related documents and materials available on the website, before making any purchases of Reaction tokens.

It's crucial to recognize that white papers do not have the legal status of documents, and they do not offer legal grounds for direct or indirect claims for compensation, including losses in profits or investments, resulting from reliance on the information contained in this white paper. The RTC ecosystem and its representatives disclaim any responsibility for Reaction's market value, liquidity, or the existence of any Reaction market through third parties or any other means. This document is intended solely for informational purposes and does not claim to provide complete legal or other advice.

This publication aims to provide an overview of potential legal considerations that may necessitate legal counsel. It is advisable to seek comprehensive legal guidance from a qualified practitioner when faced with unique circumstances. The information contained in this publication is accurate as of the date of publication.

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