



Runex

Decentralized trading algorithms

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Abstract

Smart-contracts helped crypto-assets trading make a great step towards decentralization within the last few years. Currently crypto-assets trading flows to decentralized platforms because of safety reasons.

The function is mostly based on trading against liquidity suppliers who play the role of market-makers. Each liquidity supplier can indicate a wide price range in which the exchange by trading pair will occur. So the spread becomes too big, which influences on the trading quality.

We should also note functionality of such platforms which is limited only on instant asset exchange. Runex sets the goal of expanding trading tools, as well as improving quality and convenience of decentralized trading.

Development of new algorithms and improvement of available ones basing on smart-contracts will allow to achieve our goals. This document describes all the components of the algorithms and their working principles, as well as analysis of marketing component and current trends was given.

Whitepaper



Contents:

1. Introduction	3
2. Current situation in the trading niche	4
• trading tools	4
• new trends in trading	5
• users' position in the market	5
3. Runex as a way of problem solving	6
• objective of the project	6
• goals set by Runex team	6
• mechanics of the developed tools	7
• ways of the technology application	8
• social and commercial importance	8
4. Marketing plan	9
5. Road map	10
6. Token Info & Economics	11
7. Token allocation	11

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Introduction

Smart-contracts are functions performed on decentralized infrastructure, such as blockchain. They are protected from hacking in the way that neither part (even their creator) can change their code or interfere with their performance.

Smart contracts also guarantee performance of actions indicated in them, which binds all the parties to this agreement in accordance with its text, create new and powerful type of confidential relations which do not depend on trust to any party. As they are self-verified and self-performed (that is, protected from hacking as explained above), smart-contracts thus create a new powerful type of confidential relations.

This way, smart-contracts give an incentive for developing technologies of safe interaction for multiple parties and are applicable in trading niche. For a long time, crypto-assets trading on the basis of smart-contract algorithms was hardly feasible due to absence of experience of creation of complicated automated systems.

Currently there are working algorithms whose function is automated exchange of crypto-assets, but still they are far from perfect due to difficulties of algorithm building. Another important question is the circle of persons who will function as market-makers.

Current situation in the trading niche. In the current conditions, there are several types of market-makers.

The first work with centralized markets. The second work with decentralized suppliers of trading services. The first ones and the second ones have a number of advantages and disadvantages.

In the work with centralized markets, there is a question of ordinary users' welfare, because market-makers in such markets pursue the goal of their own enrichment, and their actions may negatively impact on users due to absence of proper level of trust between these two parties. And on the contrary, in work with decentralized markets, where there is high level of trust between two parties due to use of smart-contracts, there is a problem with the service quality and absence of extensive tools presented in centralized markets.



Current situation in the trading niche

Trading tools

Trading process in centralized markets goes basing on order- book, that is, basing on the orders for crypto-asset purchase and sale inside centralized market issued by the users.

Advantage of such trading algorithm is trading accuracy and high quality thanks to order-book. The minimum spread, possibility to view the supply depth and ongoing correlation with users' mindset, possibility of opening the transaction without the user's presence near their working place thanks to suspended order, using "credit shoulder" from the trading service supplier, and possibility of getting profit when the asset prices fall thanks to the function of opening short positions are advantages of this type of trading.

Disadvantages of such markets are possibility for trading service supplier to influence on the market itself (because it is impossible to check the trading service supplier for jerrymander with trading pairs, price range and also due to possibility of blocking the user's money without declaring the reasons). Another significant disadvantage is necessity to go through personality verification process for increase of transaction limits.

In its turn, trading process in decentralized markets is distinguished by safety of work with trading service supplier due to use of smart-contracts for building the system of crypto-assets trading.

Such trading system is safe (due to the above information about smart-contracts), does not require user verification, which means anonymity of the actions, which is the underlying factor in work with crypto-assets.

Tools for earning in decentralized markets can be different. One of underlying tools is function of liquidity adding to any trading pair and possibility to earn on commissions charge during the trading this trading pair by other users.

We should note availability of management tokens delegated between users and trading service suppliers as a reward for participation in the common trading process.



The problem of this type of trading is absence of advantages implemented due to order-book function, as well as impossibility of working with borrowed funds and getting profit from opening transactions aimed to reduction of the asset cost.

New trends in trading

In the current situation, users are worried about safe keeping of their assets and personal data, which encouraged the developers to create decentralized markets. Currently users want to use full scope of tools for increase of profit, as profit is the key factor (in evaluating trading service supplier) due to direct influence of trading quality, convenience and easiness on the amount of profit.

Suppliers of decentralized trading services cannot consolidate their grip in the crypto-asset market due to absence of proper number of tools for extraction of profit. But, along with this, they could implement innovative functions which contribute to getting profit by user, such as liquidity adding, reward with management tokens and adding possibility of going through listing process with supplier of decentralized trading services by IDO method, which allowed such markets to find their target audience.

Users' position in the market

According to the above, users disagreed on what is more important: safety or extracted profit? This divides market and does not let it develop favourably.

Development of the whole crypto-currency sector and involvement of new audience could be faster if users were granted with advantages of the two markets within one product.



As crypto-asset market began to develop fast due to transaction anonymity and crypto-currency deflation, consequently, the trading should also be anonymous and safe, not only in respect of fund safe keeping by trading service suppliers, but also in respect of high manipulative capability of the market on the part of market-makers. Thus, users need unified adequate and safe trading tools for everybody

Runex as a method of problem solving

Objective of the project

According to the users' wishes discussed above, we've made our conclusions about pursued objectives.

The main goal of developed Runex algorithms is creation of fully automated decentralized platform which functions basing on smart-contracts and provision of extensive tools for work with crypto-assets.

Our goal is uniting advantages of currently functioning platforms of trading service suppliers, and providing the product which is closest to the perfect market parameters

Goals set by Runex team

In order to achieve the above objectives, the following goals are set and ready to be performed:

- Development and launching of Runex trading algorithms for rendering trading services to users through decentralized exchange (DEX).



- Delegation of Rex management tokens between developers and users (there are no commissions in Runex trading algorithms. Instead, Rex token is distributed for the operation).
- Development of interconnection bridge with Polygon, for further possibility of implementing Order functional component.
- Realization of decentralized voting for changes implementing, where Rex management token is blocked counting the user's vote.
- Implementation of short position function.

Mechanics of developed tools

- DEX creation: use of automatically performed protocols will allow to launch trading between users, and in the same time, not to control their assets. Use of order-book inside the chain will allow to record every transaction into blockchain, and use of Polygon network will allow to speed up the time of request processing. In the same time, request for purchase or sale will also be recorded into blockchain.
- Delegation of Rex management token will take place in proportion of 35% to 65% in favour of users. Users will be able to receive Rex management token for transaction processing, and when the token is submitted to staking.
- Application of Polygon network by building of the bridge will allow to process the operations faster and for smaller payment.
- By blocking management tokens in the pool, voting for making a change will be processed.
- Implementation of short positions opening through provision of assets from one or another trading pair by the exchange for selling them to users, in order to buy the asset at lower cost. The process will be performed by freezing the assets provided by the user proportionately to the cost of the used trading pair. The price difference will be provided to the user.



Ways of the technology application

Use of Runex technology is applicable in the following directions:

- Use for asset exchange. Runex does not charge commission from Users for transactions, but on the contrary rewards them. So Runex will be a perfect solution for achieving this goal.
- Trading. Extensive Runex tools allow to extract maximum profit due to marginal trade function and possibility of opening position in Short direction.
- Use for sending the assets to addresses not connected with Runex.
- Transfer anonymity due to possibility of using mixers for certain asset classes.
- Getting rewarded for operations inside Runex.

Social and commercial importance

Provision of this trading instrument will allow users to complete the operations without any commissions (the commission is charged only by the networks through which the assets are sent), and on the contrary, to get rewarded for their operations. This way, we will increase our users' purchasing capacity.

We will provide essential tools to ensure anonymity of users and their assets, as well as everything they need for extracting maximum profit.

In respect of profitability for Runex partners, we are ready to realize their business proposals, where Runex will encourage their partners (during going through listing) by delegating Rex management tokens, as well as conduct promo actions for them. Runex will support IDO and help high-level projects in involving the audience and investments for further development.



Marketing plan

- Informing users about the development process and the current state of affairs in social networks. Daily publications describing the work done by the company. Informing about bounty campaigns and promotions.
- Launch of the bounty company with two stages: the first stage includes Rex tokens drawing between users by fulfilling tasks, the second stage is before the listing on the stock exchange and provides tokens' AIRROP between users, who fulfill certain conditions in order to attract the target audience.
- Publication on information resources such as Coinmarketcap, Coingecko, Feixiahao, Gitcoin, Bitcointalk and other global resources.
- Passing of an independent security audit and an audit of the development team.
- Opening a presale of the Rex management token.
- On the existing arrangements, the passage of a listing on the exchanges with the index of the daily trading volume exceeding \$500 million.
- The listing is planned for the second quarter of 2022.

The funds raised in the company will be used exclusively to finance further development, advertising campaign and support of the team.



Road map

Q2-Conducting a bounty campaign to attract the target audience to the project. Conducting an advertising campaign. Passing an audit of the project for reliability. Inclusion of a stacking function for Rex management tokens. Passing an IEO to re-engage the audience and fund further development. Connecting an external fast crypto exchange, part of the exchange commissions will be sent to support Rex liquidity.

Q4-Launch of the exchange on the basis of its own algorithms, continuing testing of the working prototype with the connection of marginal algorithms under development. Introduction of an independent form of voting by blocking Rex control tokens, to ensure the reliability of the social component. Development and connection of a mobile application to optimize work on android and ios devices.

Q3-Testing trading algorithms, launching a working prototype for study and analysis. Connecting cryptocurrency mixers and testing the overall algorithmic process to identify vulnerabilities and fine-tune possible nuances.

Q1 23-Working on the connection of margin algorithms. Introducing replacement tokens (for assets that do not support smart contracts). Developing support for NFT trading



Token Info & Economics

Max token supply: 300.0 M

Circulating supply: 135000000 tokens

Initial supply: 135000000 tokens

Market cap: 40 500 000 \$

Token type: ERC-20

Token allocation

