

Prospectus

for

Rubideum

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Company Overview

Rubideum or the RBD is an exchange coin. In other words, it is an upcoming flagship cryptocurrency that will soon be used for developing a centralized exchange platform in the near future. There are a countless number of features that make Rubideum a digital currency. It will stand out from the crowd when compared to its other counterparts. Rubideum can actually be your best solution to financial trading. Covering a range of purposes, it can be used for banking and insurance, online lottery or even mutual funds.

While most of the cryptocurrencies can be traded with the use of bitcoin or other digital currencies, only dollars can be used to trade Rubideum. This ensures an independent and secure platform for trading Rubideum. Rubideum's value is directly proportional to its exchange from hand to hand. It is issued only once to a participant in the network. As per the demand, the remaining coins are made available only through the trading platform of the company.

Trading in bitcoin is actually a tedious process. This is because you will have to face a lot of trouble in finding someone who accepts it. However, the Rubideum coin is easier to trade. What else do investors need when Rubideum's centralized exchange platform ensures that buyers contact you without you having to put in any additional efforts?

Rubideum's trading platform provides you provision to trade Rubideum on the go. Considering the high demand for rubideum and foreseeing the customer convenience, we have started working a dedicated hybrid mobile application for Rubideum.

Coin Technology

Litecoin Fork

The coin technology used for Rubideum is the Litecoin fork. It is different in many ways from Bitcoin. In fact, Litecoin (LTC) is a peer-to-peer cryptocurrency and open-source software project. The creation and transfer of coins are based solely on an open source cryptographic protocol. It is not managed by any central authority. Technically, the litecoin is almost identical to Bitcoin. Let us understand the details of the Litecoin fork technology.

The network of litecoin processes a block in every 2.5 minutes whereas Bitcoins take 10 minutes. This actually allows Litecoin to have a faster transaction confirmation. Besides, Litecoin uses “scrypt” in its proof-of-work algorithm. The “scrypt” is a sequential memory-hard function that requires asymptotically more memory than other algorithms which are not memory-hard.

Why is Rubideum better than other platforms?

Rubideum is considered to be one of those unique cryptocurrencies that will be decentralized in the near future. The features that make Rubideum a standout digital currency when compared to others are as follows:

Trading in dollars

As Rubideum is only traded in dollars, it is a boon for traders who use the exchange platform. Most of the people in the world face heavy losses due to the fluctuation happening in the crypto industry. This is mainly because all coins are traded with bitcoins or other digital currencies. Whenever the price of the Bitcoin falls, even though the traders trade in other cryptocurrencies and make any amount of profits when it is ultimately converted to bitcoins, they may suffer from losses. However, Rubideum coins are different as they are traded in US dollars and that won't cause many fluctuations compared to bitcoins. This also ensures an independent and secure centralized exchange platform for trading.

Rubideum as Exchange coin

The main project of Rubideum is all about not the coins but the exchange platform. In fact, only a few coins come with their own exchange. As Rubideum has its own exchange, one can buy or sell other coins with much ease in the future using Rubideum coins. The

value of Rubideum coin is directly proportional to its exchange. It is issued only once to an individual. Besides, as per the demand, the rest of the coins are available to the users only through the company's dedicated trading platform. Our platform is nothing but a one-stop solution to financial trading with which it can be used for a myriad of purposes from banking to the online lottery.

Rubideum Utility Coin

As the future is going towards a cashless economy, more and more new e-wallet providers are entering the market every day. This is where cryptocurrencies are actually gaining importance. Digital cryptocurrency wallets are gaining momentum owing to their ability to avoid hacks and information leaks. Using Rubideum coins, users can even make day to day life payments. From flight bookings to mobile recharge, the list of utility services provided by Rubideum coins goes on and on.

Exchange Fees

The charges that Rubideum's centralized exchange imposes are far far less compared to other platforms. Our platform charges only the seller while other companies impose charges for both buying and selling.

Moreover, the trading platform provides traders with the provision to trade cryptocurrencies on the go with the Rubideum's hybrid mobile application. Looking at the high demand for coins and foreseeing the convenience for customers, we have started working on a dedicated hybrid mobile application for Rubideum too. The mobile application associated with Rubideum platform will be customized in such a way

that even the individuals who do not know the technical know-how and details of how similar applications work or the trading of digital currencies, can understand and handle everything on their own in a hassle-free manner.

Online games and lotteries

Besides trading on the platform, games, and lotteries have also been created for the users. Every user can enter and participate in these adventurous online games and lotteries after paying a minimal charge and if lucky, users can win attractive prizes. This will not only increase the level of trading but also will help the growth of Rubideum coins on a global level.

Business opportunities

With Rubideum's referral programs, one can earn free coins that will increase the business opportunities for traders. This will also include the ability to invite your friends or families for investing in Rubideum which can, in turn, help you earn some extra coins.

With an ever-growing customer base, traders can expand their reach to different countries. It will ensure that there is more scope for performing businesses. Though Rubideum is set to be anonymous and beyond any institutional control, it is the best combination of

anonymity and release of a limited number of coins that makes sure there is a spike in its value in a short span of time.

Crypto bank

Another unique functionality that Rubideum is going to launch is the crypto bank. We will be introducing this new feature to the crypto industry through which users can avail short-term Rubideum loans. Traders can trade using these coins and earn many profits. After a specific period of time, you can repay the loans using a minimal rate of interest. Another specialty of Rubideum is that it will not be listed in any other cryptocurrency exchange. The fact that the variation in the currency value of any digital currency affects Rubideum is something that will keep us from listing it on all the currency exchange. Moreover, Rubideum will only be listed in the coin market cap.

Peer to peer exchange

The Rubideum centralized exchange platform opens the windows of worldwide peer to peer exchange which is actually first of its kind. The top twenty currencies that will be available for such peer to peer transactions include a lot of countries from all over the world.

Business Model of Rubideum exchange platform

The business model of Rubideum helps to make free trades and aims at migrating the revenue sources to higher-level features.

- **Nominal fees without losing revenue**

To gain a competitive advantage over other major cryptocurrency investments and trading platforms, the Rubideum team has decided to put a nominal fee policy on vanilla trades. This provides the Rubideum platform with a huge competitive edge over other exchange platforms. This is due to the low fee that plays a big role when traders choose their platform.

- **Fees of major exchanges worldwide**

For most exchanges, gaining a competitive edge with low fees is a risky move. While potentially gaining more clients, the platform also earns less revenue because the revenue of a traditional exchange is entirely transactional volume dependent.

Exchange Platform Specifications

Backend Architecture

The backend of the Rubideum centralized exchange platform consists of many robust layers. The main aim of the platform is to ensure the perfect balance between attributes like security, transparency, and efficiency. The different exchange layers of the Rubideum platform include:

Blockchain

- The blockchain layer is in the control panel with other underlying layers that act as a pillar of support. The control plane is generally smaller and focuses basically on the strengthening of trust among those on the network.
- As this layer is the lowest layer, it acts as a storage medium. Under the blockchain layer, there is a myriad of processes that includes mining operations, consensus algorithms and cryptocurrency fluctuations.
- The underlying blockchain nodes work in the same way as the original layer.

Webtrader

Since the network is an integral part of the data plane and permits cloud storage with other kinds of facilities, the webtrader maintains a full copy of the files and data present on the network. Also, there is no requirement for any dedicated server. This is because the entire nodes resemble a server.

Centralized Storage System

- The centralized storage system forms the uppermost layer and operates in the backend.
- The related data is securely stored in this storage system so that it can be used at any time in the future.

Transactional Flow

Users can deposit the Rubideum coin cryptocurrencies to the cloud wallet of the exchange. The gateway for the exchange platform will provide a unique wallet address for all its users. So, when a user enters the wallet addresses, the nodes start running instantly on the server which receives response API from the cloud server. Besides, the process of verification is quite thorough. It takes about six set of nodes to do the task. After all the six sets of node-verification happen, the cryptocurrency coins are stored in the cloud wallet. As soon as this happens, the response API lets users trade according to the backend matching logic.

After the completion of the trade, users can easily withdraw any number of RBD coins from their wallets. However, the process of verification will only be done by miners who will perform automation. When the user clicks on the ID of the transaction, it will be displayed and the respective user can view the transaction history in the blockchain. All the transactions of cryptocurrency payment will be verified first and then eventually stored in the blockchain. The dashboard of the investor will also display the same transaction details. After the successful transaction, the RBD crypto coins will be stored in the wallet address of the user. This process takes a short while for implementation and gets the wallet up and running.

Blockchain Data Structure

All the transactions over the network are block-chained and file-chained to maintain the transparency and immutability of transactions in the system. These transactions are grouped together as block files. These block files contain the following components:

- The sequence of transaction message hashes
- Addresses of previous files

On a blockchain data structure, the exchange block hash is anchored to the Litecoin blockchain to ensure exchange data immutability and transparency.

Matching Mechanism

The client receives the relevant data through the backend code which runs on the server. This also includes the specific logic that is used to send the correct data to the client. Along with this, there is a database that stores all the information. The backend technology is used to process all the incoming requests and it accordingly generates responses. The order matching system matches the buy and sell orders for security or other financial instruments that are traded digitally.

The Rubideum system uses the Litecoin fork blockchain technology. The credentials and details of the user are controlled by the server entirely. Trading activities such as buying and selling of orders, canceling orders etc. are signed by the private key of the user cryptographically. These signatures can be verified and validated by an anonymous user or even by the server. Moreover, the trading messages that are signed are forwarded to the server. The exchange platform then collects information about the buy and sell orders. Then, it matches the 'buy' and 'sell' orders that are validated and finally creates a server-based order matching. As and when this process is operated, the server-side database starts working at the same time and fastens

the process. Besides, the transactions are not processed on the blockchain directly but go through the centralized exchange platform.

Admin Panel

The admin panel of Rubideum's centralized exchange platform allows the administrator to log in securely into the backend admin panel. This lets to check the amount that has been withdrawn or deposited into the admin panel. Using this admin panel, an administrator has many privileges, like:

- The administrator can accept and verify the 'Know Your Client' (KYC) details of the exchange user. Furthermore, the administrator can reject the KYC if it is found that it's not compliant with.
- An admin can also monitor the number of transaction tickets that are issued through the exchange platform. This information will include salient details like the type of the transaction, the name of the security, type of order, duration of the order, and order quantity. Additionally, he or she can see the names, dates of the listing of the transactions with the commission.
- The administrator can view all transactions that occur with the exchange including buying and selling with other types of currencies such as fiat, and cryptocurrencies deposited or withdrawn.

- Admin can take reports in any form, graph or pie chart according to the number of users or trades involved in the transactions.

API integration

As far as the API integration is concerned, coins can be integrated into the exchange platform seamlessly. The centralized node can be incorporated with wallets securely. The nodes are run on ports that are specific to the coins. The wallets of the users are monitored for deposits from users. These details are reflected in the user's wallets correspondingly. Many mail service providers and SMS service providers will be integrated with the API. Blockchains like Litecoin will be used for integrating with the API.

Technical Specifications

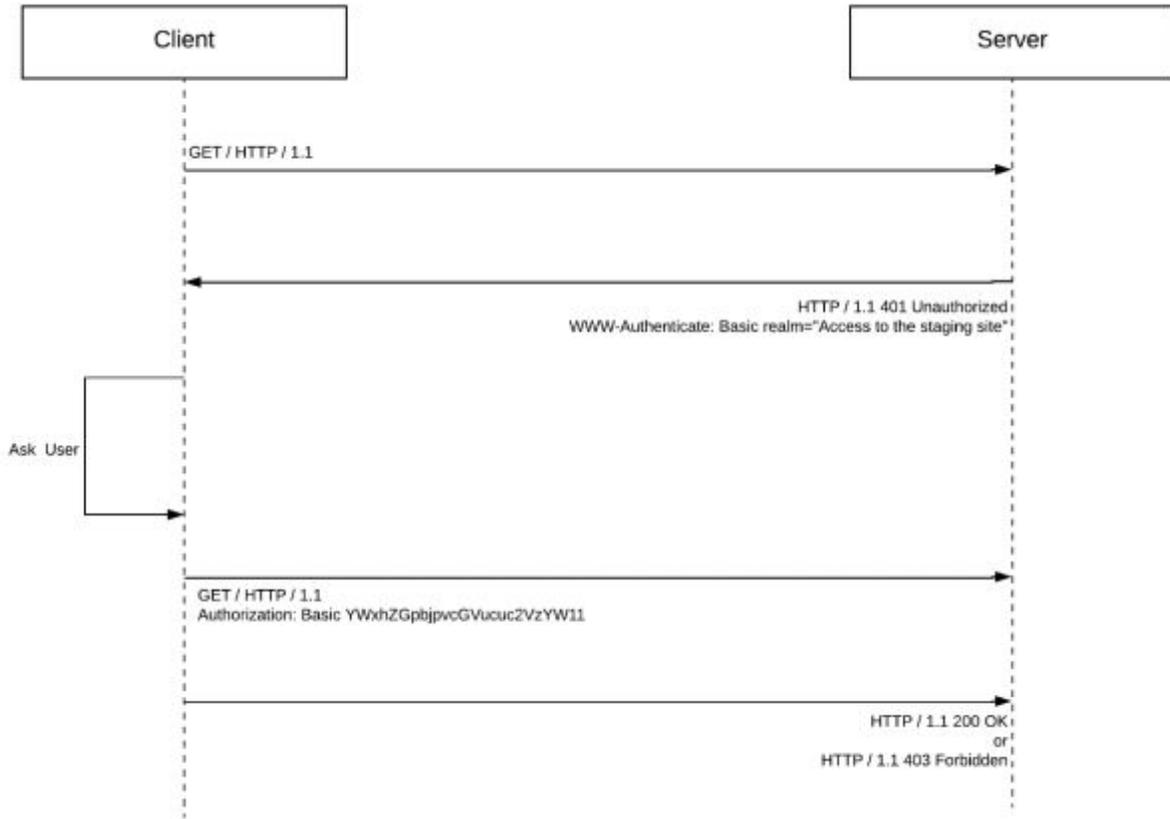
There are many technologies used for building Rubideum's exchange platform. From the websites and dashboards to applications, these technical specifications are as follows:

- The platform is powered by *Ruby on Rails*, which increases the site's responsiveness and speed.
- *MySQL* is a client or server system. It is more reliable and faster than other database systems which ensure the execution of all the operations.

- *Redis* assists with the in-memory data structure store for the databases, cache, and message broker. It supports strings, hashes, sets, and many other data structures.
- *RabbitMQ* is another software that is used for message queueing. It is actually used to exchange data between process applications and servers, especially e-mails.

Exchange Platform Security

HTTP Basic Authentication



The basic HTTP authentication is necessary to enforce access controls to web resources. Also, it does not need cookies, session identifiers or login pages. It rather uses standard fields by removing the requirement for *handshakes*.

Jail Login

For users who exceed the number of attempts in logging in, this feature of 'jail login' will be used. The authentication will be set for a

maximum number of retries to check credential combination. Also, users who exceed the number will be placed in 'jail'. The jail will prevent them from further login attempts for a fixed amount of time.

Encrypted Data

The transmitted data, as well as the data at rest, are encrypted, making it exponentially harder for credentials and other information to be compromised.

SQL Injections, Remote Code Execution, Cross-site Scripting

The malformed user input vulnerabilities are avoided by protecting against SQL Injection, Remote Code Execution, and Cross-Site Scripting (XSS).

Wallet Security

These days the hype surrounding the exchanges have increased as it has become a popular trend to create accounts, store and trade with these digital currencies on various sites such as Binance, Bithumb, and Coinbase. A majority of users who indulge in these trading processes want to use their wallets which are provided by these exchanges. However, they are often faced with security risks, which slow down the transactions and compromise the sensitive data. Moreover, security issues have always been interfering large exchanges and there is a

constant risk that it might get hacked especially when handling high trade volumes and storage of high-value assets. That is why it is necessary to focus on wallet security design more.

Moreover, a typical exchange market place holds private keys and not the user. Thus, the users will have less chance to lose them or have them stolen. Also, exchanges have a split storage setup. They have two separate wallets which include the hot Wallet and the cold wallet.

Hot Wallets

The hot wallet holds the private keys on an online server and can quickly send and receive virtual coins. They have been named 'hot' because of the fact that they are connected to the internet. Another form of hot wallets is the desktop wallet, especially if they install it on a system that is connected to the internet.

Pros of Hot Wallets

- Efficient usage of digital currencies
- User- friendly applications for effective streamlining of the payment surface.

Cold Wallets

Cold wallets, on the other hand, are the most preferred storage method for people who hold a significant amount of coins. A cold wallet is a machine that is not connected to the internet and holds a lot of cold wallet private keys.

Pros of Cold Wallets

- A very robust method of storing large amounts of cryptocurrencies for a long period of time.
- Greater security as the fund is stored offline.

Advantages of using exchange wallets

Despite the inherent risks associated with the usage of exchange wallets, there is a reason why traders continue to use them. While trading in virtual currencies between wallets outside the exchange, there is always a fee and gas prices associated with it. If the traders do safe trade, the returns would be much less.

- *Quicker and cheaper transactions*

One of the main advantages of exchange wallets is their ease of use and convenience. It is much easier to leave the money in the wallet exchange and use it instantly in the exchange. The

processing speed is smooth and quick without any potential delays.

- *Secured wallets*

Coins can be stored in e-wallets which will be secure and are actually built on the blockchain. They will enable the safe storage of cryptocurrencies too. s

- *2FA or Two-factor authentication*

Two-factor authentication which is also known as 2FA is a method to confirm the identity of the user by using two different factors. These include Private Keys & QR Scanner.

- *Elliptic-curve cryptography (ECC)*

Wallet addresses use the concept of public-key cryptography and are actually built on the algebraic structure of elliptic curves over finite fields. The structure of the addresses is alpha-numeric.

Shield from external attacks

Secured with defense-grade security, our exchange is able in thwarting attacks from different sources mentioned below:

- Cross-site request forgery(CSRF)

Attacks that force an end user to perform unwanted actions on the exchange in which they're currently authenticated come under the category of Cross-Site Request Forgery (CSRF). The attack involves targetting requests that are state-changing and not specifically the theft of data.

- Denial of service (DDOS) attack

Denial of Service (DoS) is one of the most common attacks, which means sending a large number of requests to the server. In order to prevent DoS attacks, IP addresses are throttled or blocked, even before reaching the servers, by means of Rate Limits.

- Distributed denial of service (DDoS)

A Distributed Denial of Service (DDoS) attack will disable the exchange by overwhelming it with traffic from multiple sources. They target a wide variety of important resources, from banks & exchanges by accessing important information.

- Server-side request forgery(SSRF)

Server-Side Request Forgery (SSRF) is an attack where a crafted request is sent from a vulnerable web application. SSRF targets internal systems behind firewalls which is inaccessible to an attacker on the external network.

- HTTP parameter pollution

Parameter Pollution (HPP) is an evasion of web attack where an HTTP request is sent to manipulate or retrieve hidden information in the exchange.

Target Users

Rubideum's platform has been optimized for many types of users. Since it is an advanced third-generation exchange platform, it possesses superior security, performance, liquidity, and other feature benchmarks when compared to the existing exchanges in the market. On top of these technical improvements, the platform also has an extremely favorable low fee structure.

Experienced Traders

Traders who work full-time are a diverse group of seasoned experts who earn profits in the crypto-space in many ways. These experts have very specific and quite different requirements for the exchange platform they use. Then only they can execute their own 'style' in a perfect manner. Let us take a detailed look at how the Rubideum platform is suitable for each category of traders by also providing them with free service.

High Volume Traders

Aggregating liquidity is another area where our platform is focussing on. High-volume traders require very high liquidity in their currency pair of interest to trade effectively. On an exchange platform with low liquidity, their large orders will not be processed. The trade volume is so important to some traders that certain exchanges have been found to fake its volume statistics by up to over 90% to attract more users. But,

with third-party order book integrations, there is essentially no liquidity issues. This is because liquidity will be aggregated from external sources when necessary. As such, we will be able to compete for high-volume traders.

Small Market Investors

Small investors will be investing in smaller and more volatile markets. Many of these types of traders diversify their portfolio in a variety of 'start up' coins and reap the profit as soon as these coins boom. The backend architecture of the Rubideum platform is designed for almost unlimited scalability in terms of the number of markets. Thus, it is possible for us to compete with other clients' overseas exchanges in the future.

Technical Traders

This category consists of advanced traders. Many experienced traders in the cryptocurrency market rely on accurate technical analysis to make their decisions. In fact, exchange platforms like the CoinField have gained immense popularity due to its advanced features and unique analytics tools. Rubideum's advanced web trader mode helps to offer the best set of tools for our advanced traders.

Novice Traders

These traders are those who would want everything to be available on a single platform. Such traders are all over the crypto-space and are struggling with the steep learning curve of the new market space. Most of the traders have little to no experience in trading or owning cryptocurrencies. Many of them are just looking for a good transition into the complex market. On our exchange, novice traders have precise and perfect control over the amount of support they need to trade in the cryptocurrency market.

- **Basic Support: Education and Market Research**

As novice traders are not proficient at collecting news about the market in real-time, education and market research are mandatory for them to survive in today's competitive market. With the facility of top news being streamed on our social feed automatically and our experts filling in for the missing information by posting the news themselves, one can keep up with market updates. However, they can also get to know about the current market trends by scrolling through the news on Facebook and Twitter. With no need to visit several sites at regular intervals, traders can worry less about being less informed about the market. Besides, our commenting system allows users to discuss the implications of certain news right on the exchange platform. Thus, novices can get expert opinions on how the news will affect the market and the public sentiment.

- **Direct Support: Real-time Trade Recommendations**

By following an expert trader, a novice trader can receive notifications in real-time about the trade activities of the expert trader. In this way, the novice traders can also get real-time strategy support only by seeing how the experts are trading.

- **Hands-on Support: Automated Funds Management**

If a novice truly does not know how to start in a market, he or she does not need to worry about it anymore. This is because he can then allocate around 30% of his portfolio to machine-learning based 'AutoTrade' option that will be set at low-risk parameters so that the best trades (as deemed by our algorithms) are automatically copied. This may be beneficial because novice traders may not be ready to manually select the best traders to copy. They can also allocate part of their portfolio to a few low-risk fund management groups. This will ensure that they will not only place their funds in the hands of professionals but also learn by observing how their funds are being managed. The novices can then use the remaining fraction of their funds to experiment trading by themselves.

Crypto Hedge Fund Starters

Rubideum's centralized exchange platform will be an easy start for aspiring fund managers. Our platform's Fund Management Groups allow users to build frameworks that resemble crypto hedge funds. It is

much easier to become a funds managing team on our platform than it is to set up a crypto fund as a real-world organization.

Coin details

1. Name of the coin: Rubideum
2. Symbol of the coin - 3 letters: RBD
3. Decimal point - 10 to 18 is the limit: 10
4. Supply of the coin: Below 1cr (90L)
5. Pre Mined coins: 20LK

Roadmap

(to be shared by the client)

Team Details

(to be shared by the client)