

RubberDuckies Litepaper

Written by RubberDuckies creator, 0r61.

<https://t.me/rubberfinance>

Key Facts:

- \$RBS Token
- Decimal precision: 18
- Maximum supply: 100,000,000 \$RBS Tokens
- Token type: BEP-20 deflationary utility token
- Transfer tax: 4% (3% Staking rewards, 1% Burned)
- Mint function: Disabled

What is RUBBERDUCKIES, RUBBERFINANCE and the \$RBS token?

RubberDuckies is a token launched on the Binance Smart Chain. The RUBBERFINANCE ecosystem consists of its native token: \$RBS and several contracts that have the main responsibility of providing token utilization. The category of where the RUBBERFINANCE ecosystem resides in, is what is called DeFi.

DeFi is an abbreviation for “decentralized finance.” DeFi is a term used to describe the shift from traditional, centralized financial systems to peer-to-peer finance enabled by decentralized technologies built on blockchain technologies. With DeFi, users can interact with decentralized applications (dApps) to do everything from lending and borrowing crypto to earning interest on their digital assets. Rather than going through a bank or another financial institution, DeFi users can directly connect with one another to complete financial transactions. Because DeFi is built on the blockchain, it benefits from blockchain’s key features: security, immutability, and programmability. This means that DeFi applications are secure, cannot be censored or shut down by a central authority, and can be customized to meet the needs of users.

The DeFi ecosystem is still in its early stages, but it has already grown to include a wide range of applications and services. As the ecosystem continues to evolve, it is likely that we will see even more innovative uses for DeFi that could potentially disrupt traditional finance.

The \$RBS token is a BEP-20 compatible token meaning that it is a token that is compatible with the Binance Smart Chain or more specifically any EVM-compatible blockchain. The reason for selecting the Binance Smart Chain as the blockchain for the RUBBERFINANCE ecosystem is due to its low fees, easy interoperability, flexibility and being backed by one of the largest crypto exchanges in the world, Binance, in comparison to another EVM-compatible blockchain, the Ethereum network which comprises of very high gas fees.

The \$RBS token can be transferred between any wallets on the Binance Smart Chain and is used as a token of value within the RUBBERFINANCE ecosystem.

What gives the RUBBERFINANCE ecosystem a chance of competing with other similar tokens?

The RUBBERFINANCE ecosystem is what we call a deflationary token, meaning that the token supply is decreased over time. This decrease is programmed within the tokens base logic when it is transferred to another wallet. When a transfer to another wallet occurs a tax is applied, of 4%, where 1% of the transfer value is burned which decreases the supply. In basic market principles of supply and demand this contributes to a lower supply, and with a potential increase in demand this might lead to an increase of the \$RBS token’s price.

Many tokens offer the ability to stake their token, which retains liquidity and tries to prevent the price from falling. What many tokens do, is that the rewards that are given for staking a token are minted rewards, meaning that the supply of those tokens are increased. Like in any other case this would increase inflation and therefore decrease the value of that token. Meaning, that for any user to profit of the rewards given by such as protocol the increase in token supply would have to be lesser than the deprecation of its value.

This is where the RUBBERFINANCE does things differently. Instead of rewarding users with tokens that have been minted out of thin air, it rewards the users tokens that have been subtracted from previous transfers in the form of tax, where the tax amount for the contribution to this rewards pool is 3%. These rewards are distributed proportionally to the amount that a user has staked into the staking pool. This creates an incentive for users to stake as much as possible to get as large share as possible within the pool to gain the most reward for their staked tokens. Leading to a retention in liquidity without inflating the token's supply by even one unit.

What other financial instruments are available in the RUBBERFINANCE ecosystem?

In addition to staking, users are able to buy options contracts on other financial assets, such as BTCUSD. In simple terms, users can invest a certain amount of \$RBS tokens and bet whether the price of BTCUSD will be greater or lesser the next day. In comparison to other similar protocols such as PancakeSwap Predictions, after a bet is placed it is locked for 12 hours. After these 12 hours have passed users can exercise their contracts where exercise means that they can claim the potential profits that they have made in their bet. The profit that a user receives from the contract depends on how much time has passed since the contract was unlocked, meaning how much time that has passed after the 12 hours have passed. The equation for how much a user gets back when exercising their contract is as follows:

$$t = \text{timeleftuntilexpiry}$$

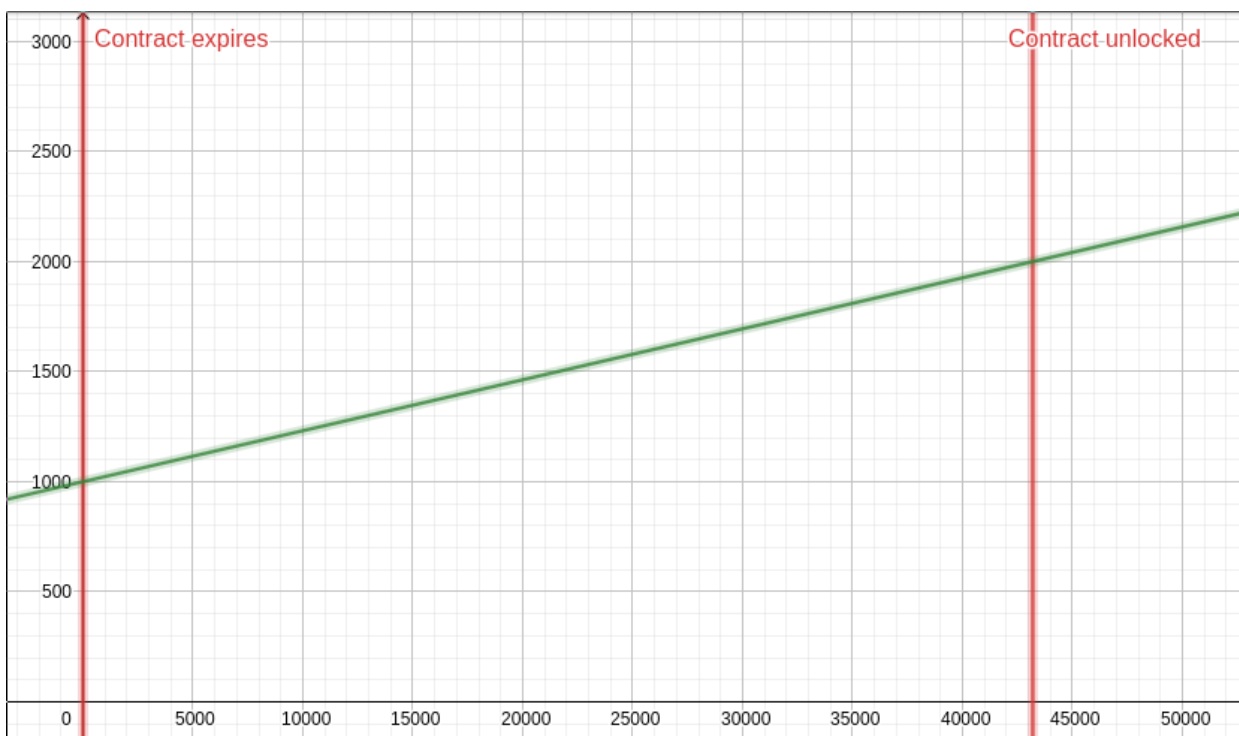
$$\text{penalty} = t/432$$

$$\text{multiplier} = ((\text{penalty} \cdot 432) \cdot 100)/43200$$

$$\text{amountBack} = \text{investment} + ((\text{investment}/100) \cdot \text{multiplier})$$

If the contract is not exercised after 12 hours from the time that it was unlocked the contract is seen as expired and the total investment that the user has made is lost. 70% of all lost investments are sent to the previously mentioned staking pool for users to claim, 10% is burned to deflate the \$RBS token and 20% is sent to the developer team to maintain the project's monthly costs. Where the maintenance costs also covers the winning bet's payout.

The profits gained from a successful bet can be visualized in the following graph where the x axis shows the time left until a contract expires (read from right to left):



As you can see from the graph the maximum profit that can be gained is 100% of the initial investment.

Closing words

The RUBBERDUCKIES ecosystem is a long-term project with many events and changes for the future to be made. We hope that you enjoyed reading this litepaper and you are welcome to ask any questions that you have in our telegram chat: <https://t.me/rubberfinance>