

Bogged.Finance Whitepaper

A DeFi tool suite

1. Abstract

Inspired by the legend of the Bogdanoffs, the token's namesake, Bogged.Finance is a DeFi Tool Suite powered by the BOG token. The aim of the project is to create tools that allow users to trade more effectively in DeFi, essentially recreating the tools of a Centralized Exchange (CEX) in a Decentralized Exchange (DEX).

This whitepaper covers the technical aspects of the token, the platform and products without divulging any commercially sensitive information that would put Bogged.Finance at a disadvantage.

2. Introduction

At present most platforms offer a limited analysis or a few trading tools. Bogged.Finance is the market leader at providing both. We build trading tools integrated into analysis products, ensuring traders only need to visit one place for all their DeFi needs.

Features:

- Multiple Decentralized Exchanges Charting
- Wallet Trades Tracking
- Portfolio Tracking
- BOG Token Governance
- BogSwap DEX Aggregation
- Custom Routing through BOG API
- Limit Orders
- Stop Losses & Trailing Stop Losses
- Embeddable Interfaces for Other Projects
- Verifiable Randomness Oracles for Other Projects

3. Token

3.1 Token Introduction

The BOG token has multiple utilities and at the same time serves as the governance token of the Bogged Finance platform.

- **Payment method**
BOG token is used to place orders on the Bogged Finance platform.
- **Tools access**
Holdings BOG allows users to access advanced features, including stop-loss, portfolio tracking and more.
- **Governance**
Changes to the BOG ecosystem are proposed to the community, votes can be made and will be weighted depending on individual BOG holdings.

3.1 Token Value

3.1.1 Tokenomics

[Created on May 31](#) after the first governance vote, the current BOG token contract provides a 15 000 000 maximum BOG tokens supply figure with approximately 13.2 M tokens in circulation, with further decrease due to token burns included in each transaction.

BOG transactions fees

- 1% burned
- 2% to LP staking
- 1% auto-liquidity

Long term goals include fully replacing all BOG earned via transaction fees with BOG earned from platform fees.

3.1.2 Buybacks

The BOG Token is subject to buybacks and subsequent burns from the Bogged.Finance platform, which helps to increase the scarcity and value of the token.

3.1.3 Tools

The BOG Token is held by users as a key to unlock advanced Bogged.Finance features. This ensures a good portion of the supply is actively held by users who wish to utilize the tools, increasing the scarcity and value of the token.

3.1.4 Staking

Solo Staking - Holders can stake their BOG tokens to earn a share of the platform fees earned from limit orders and other services

LP Staking - Holders can stake their liquidity tokens to earn a share of the transaction fees, this is to incentivize liquidity to ensure the health of the project

Compensation Staking - Pre-migration holders can stake their BOG to earn the LP tokens generated by the auto-liquidity function of the token contract.

3.1.5 Governance

The BOG token and all BOG LP tokens count towards governance votes ran on the platform.

4. Charts & Analysis Tools

4.1 Charts

Bogged.Finance's landmark product is the charting platform, colloquially known as 'BogCharts'. The Charts platform utilizes various data sources to provide not only high speed and accurate charts for the BSC platform, but a comprehensive trading and token exploration interface for users. Ease of use and a visually appealing UI make the charting platform stand out as the standard for the serious BSC DeFi trader.

The charts bring in advertising revenue to fund further Bogged Ecosystem development and function seamlessly as a marketing tool for the Bogged Finance Platform.

Additionally for the user's convenience, tables showing up to date trades for the selected token, the user's own trade list, the token overview and liquidity pool info, and latest token news are provided beneath the chart.

Support for multiple charts is provided as well, allowing users to compare up to 6 charts of different tokens for help making trades.

4.2 Portfolio Tracking

The Chart's portfolio tracking feature allows users to view and track their DeFi token portfolio over time. Servers are utilized to hold and manage this data to create an accurate and aesthetically pleasing visual representation of each user's portfolio within a single page. A sidebar 'mini-portfolio' is also supported for ease of use when viewing charts or other pages within the interface. Support is also provided for tracking BOG token staking within the portfolio.

4.3 Trending, Most Viewed and Favorited Tokens

The charts platform utilizes various functions to create a list of most viewed and trending tokens, as well as keeping track of a user's favorite tokens. The exact methods are confidential as to prevent abuse of the system, like we've seen with other platforms. This allows Bogged Finance to be a trusted and unbiased source of data for users.

5. Trading Tools

5.1 BogSwap

The BogSwap platform exists to allow users to trade more rapidly, effectively and efficiently on the BSC Ecosystem.

BogSwap allows for multi-dex routing to ensure users get the best possible price for their trade across multiple platforms.

Holding a small to large amount of the BOG token unlocks more powerful features in BogSwap, canonically known as BogSwap Advanced. Each tier of BogSwap Advanced provides a unique quality of life upgrade not found on other DEXes. With each subsequent tier, the user must hold a larger BOG balance, incentivising platform users to buy and hold the BOG token.

Tier 1 of BogSwap Advanced allows users to pre-set their gas price, submit duplicate transactions and make multiple transactions without having to wait for their previous transaction to be confirmed.

Tier 2 of BogSwap Advanced allows users to detect the limits of the token they're trading, ensuring their trades are performed within the confines of the token contract.

Without this feature, such as when placed on other DEXes, your transaction would fail without explanation if it exceeded the transaction limit.

Tier 3 of BogSwap Advanced allows users to bypass transaction limits. This is achieved by having the contract send through multiple swaps in a single transaction without the user needing to intervene.

The aim of BogSwap is to give users the best possible prices whilst also allowing them access to more advanced trading methods not available through other platforms.

In future BogSwap will also allow for liquidity aggregation and eventually host it's own liquidity pools which will act as another source of revenue for the platform. This can be distributed to stakers to incentivize holding further.

5.2 Limit Orders

Limit orders are trading tools that allow investors and traders to buy or sell an asset at a predetermined price. The limit order is monitored until the asset's price allows for that trade, and once it does, the trade is executed.

Limit orders historically have been done quite poorly on DeFi, with the first limit orders on DeFi being from Etherdelta, where users would submit their orders and wait for others to fill those specific orders. This resulted in a large amount of wasted gas, and proved to be a clunky user experience. Currently, there are a few competitors in the limit order space, all implementing the same basic solution for limit orders:

Essentially a user can open an order, and another user can fill that order. This has the disadvantage of having to wait for another user to fill the order, and the requirement that the order be more than marginally profitable for the fulfilling user. This results in orders that are more than briefly "in the market" going unfulfilled, and high effective fees for the orders that do get eventually filled. As well, there is no guarantee that your limit order will be filled.

The Boggled.Finance solution overcomes these issues using a dedicated order filling system to monitor and fill their order.

Currently the order filler software is run exclusively by Boggled.Finance, but eventually this brokerage service will be opened up to all users so that they will be able to compete to fill orders the fastest to earn the fees, this will result in the best user experience for people utilising the limit orders platform.

5.3 Stop Losses

A stop loss is an order that is executed when the market moves in an unfavourable direction, in order to limit losses for the trader.

Currently the majority of existing stop loss solutions must be run locally by the users themselves which has numerous disadvantages.

The Boggled.Finance Stop Loss Solution gives our Stop Loss Contract the allowance to spend the tokens, we then have our servers monitor the market for those positions and close the position (sell the token) when the prerequisites of the order are fulfilled. There are few available stop loss systems for DeFi tokens and none to our knowledge that allow the set & forget service we offer.

5.4 Trailing Stop Losses

A trailing stop loss is an advanced trading tool that allows traders to exit positions according to the movements of the token they are trading.

Similar to the Stop Loss, our Trailing Stop Loss solution monitors the market with the additional action of changing the exit trigger price as the market moves favourably. This is a unique BogProduct and we are not aware of any other service providing this in a set & forget fashion for DeFi.

5.5 Token Launch Sniper

The BogSniper is a DeFi tool which allows users to place an order at market rate as soon as a token is available for trading on PancakeSwap & ApeSwap.

The platform constantly checks open orders for new liquidity pools, and as soon as liquidity is added to a DEX for the token the order is for, the system places an order. Instantly purchasing the token.

6 Other Products

6.1 Telegram Price Bot

The Telegram Price Bot exists to allow token teams to showcase their Token Price in their telegram chat. This helps to improve morale around a token and create hype.

The bot also provides the ability for telegram chat admins to add custom commands that can be used by all chat members to bring up FAQs and helpful information. These commands can be created with no programming knowledge from a GUI on the Bogged.Finance website.

The Telegram Price Bot additionally serves the purpose of marketing the BogSwap and BogCharts platforms.

6.1 Randomness Oracles

Built for Developers, the Bogged Finance Randomness oracles can be used to return verified untampered random numbers.

Hashes of the pending numbers are stored in the RNG contract and assigned to randomness requests in the initial call. The oracle will then callback the requesting contract with the random number which is verified against the stored hash to ensure the random number provided has not been tampered with based on the nature of the request.

This is a simple but secure method of providing random numbers on-chain which allows developers to easily integrate it into their project instead of trying to roll their own solution