



Bifrost

A \$RAINBOW PRODUCT



Abstract

Blockchain technology and DApps are brand new concepts when you compare them to the timeline of computer science. They're incredibly exciting to be a part of, as their ethos is decentralism. The fact that they are not owned and controlled by any central body, is why they are so powerful.

This is what we believe gives life to the crypto space.

Due to decentralized apps still being in their infancy stage, we are seeing ideas constantly being released and refined. There are now NFT gaming platforms which have taken the industry by storm.

We want to be able to add to this in our own \$RAINBOW way, so that we can make an impact. That is why we have developed a DApp: [Bifrost](#).



Introduction & Objectives

Bifrost is a decentralized platform for launching BEP-20 tokens, developed by the \$RAINBOW team (see <https://rainbowtoken.finance>).

Vision

We want **Bifrost** to be the main platform that people think of when they decide where they want to launch their tokens.

In the future, we want to also support BEP-721 tokens (NFTs) and BEP-1155 tokens (NFTs combined with tokens). We also want to support multiple blockchains.

Together, these features will put **Bifrost** in a unique position in the crypto blockchain market.

Goals

The main goal of **Bifrost** is to provide users and developers alike with a clean solution for running token sales, that truly focuses on low fees and usability.

To give users the extra safety net that they cannot be rugged via liquidity withdrawals, we also will be developing a system that locks both tokens and LP tokens.

The locking system will be beneficial to tokens that also have reflections enabled on them.

By the first three months we hope to have launched our first token.

Who is this for?

Bifrost is for anyone that wants to take part in the early stages of a token's lifespan.

It will be for people who wish to have some safety guards so that projects won't need to run their own sales through their websites.



Release V1

The official name of the final product will be **Bifrost**, and it will be released 1st November 2021 (provisional).

The website domain has been registered at Google Domains: <https://bifrost.market/> and this is where the DApp will exist.

Key Features

- Developers will be able to create their own token sales
- Developers will be able to whitelist addresses (for private sales)
- Users will be able to participate in token sales that they're eligible to partake in
- Liquidity will be automatically locked by the Bifrost router
- Liquidity will be automatically launched to the PancakeSwap router of choice (V1, V2 and eventually V3)
- Clean and user-friendly interface
- Developers will be able to modify their sales **before they go live**
 - Modified sales will show clear announcement logs and warnings for users
 - After a sale has been finalized it cannot be changed
 - The sale token can be modified to prevent needing to pay double fees for sales
- Low fees
- Can pair sale token with any other token (i.e. for Token/USDT pairs) to give developers the option to have a less volatile cryptoasset.
- A dedicated and responsible customer support team for developers that have burning questions
- Better accommodation for modern tokenomics



Milestones

These are the current milestones for Bifrost V1.

The dates are provisional and should serve as approximal guidelines for when we will be closing in on the respective milestones.

NAME	DESCRIPTION	TIME
BIFROST ROUTER CONTRACT (HEIMDALL)	<p>The Bifrost router contract has been fully developed so that the developer & user can both interact with the necessary parts of the contract to do things such as:</p> <ul style="list-style-type: none"> • Creating sales • Viewing sales • Sending off tokens to be locked • Launching liquidity 	18 th September 2021
BIFROST SALE CONTRACT	<p>The Bifrost sale contract has been fully developed so that the developer & user can both interact with the necessary parts to do things such as:</p> <ul style="list-style-type: none"> • Modify the sale • Finalize/Start the sale • Deposit tokens for the sale • Withdraw tokens from a successful sale • Deposit necessary payment token for a sale • View the information for a sale such as icon, description, and socials • Receive automatic commands from the Bifrost router 	18 th September 2021
BIFROST LOCKER CONTRACT	<p>The Bifrost locker contract has been fully developed so that the developer & user can both interact with the necessary parts to do things such as:</p> <ul style="list-style-type: none"> • View locked tokens or locked liquidity • Deposit and lock tokens or liquidity manually • Receive automatic commands from the Bifrost Router 	18 th September 2021
WEBSITE DEVELOPMENT & DESIGN	<p>The website will be where the end-user sits. This part has been fully completed once there is a working and functional website that can interact with the Bifrost router and other related contracts.</p>	3 rd October 2021



The design needs to be clean and intuitive for users and developers so that they can understand and navigate where they need to go.

**TESTING &
REFINEMENT**

The code by this point would have been isolated and tested by the developer team. On top of this we want to also run focus groups where we have users and developers try out our product and test for any bugs or hiccups that they might find to allow us to refine the idea and tie up any loose ends.

26th October 2021

Themes

Bifrost, from Norse mythology, is a magical rainbow bridge that connects Asgard to the realms. It is what the Asgardians used to launch them to wherever it was they wanted to go.

The **Bifrost** themes will incorporate elements of rainbow, metal, and space.



Feature List

This section outlines the full feature list and requirements that you can expect in **Bifrost**.

Bifrost Router contract

The feature list for the Bifrost Router contract

<u>Feature</u>	<u>Description</u>	<u>Purpose</u>
Create Sale	Developer can create a sale	Allows a developer to create a sale object assigned to their wallet address
Modify Sale	Developer can modify a sale	Allows a developer to modify the sale assigned at their wallet address
View Sale	User can view a sale's status	Anyone with access to an internet connection will be able to view the status of a sale at any time
Launch Liquidity	Automatically launching a liquidity pool by depositing paired tokens into PancakeSwap	Handled for the developer so they don't need to manually interact with PancakeSwap, making the launch seamless
Lock Liquidity	Lock LP tokens received from adding liquidity under the developer's control	Allows the developer to draw out liquidity after the LP tokens have been released from the lock, providing a safety guard for investors against rug pulling
Burn Tokens	Any remaining tokens that were not sold can be chosen to be burnt	Burning tokens removes tokens from the circulating supply, which has certain dynamics for a project depending on what they want to do



Override Sale	Bifrost Router will have dual ownership over sales	Allows tech support team to diagnose bugs or problems that developers might have
---------------	--	--

Bifrost Sale contract

The feature list for the Bifrost Sale contract

<u>Feature</u>	<u>Description</u>	<u>Purpose</u>
Modify sale attributes	Developer or router can modify the aspects of a sale before it has been launched	Allows a developer the ability to not have to pay duplicate fees if they accidentally type the wrong value in. Giving extra peace of mind when launching with Bifrost
Finalize/start sale	Developers can begin the sale when they are happy with the modified settings	Gives an extra step for developers to make sure that they are happy with everything before they proceed
Meta data	Token sale can be tagged with images, descriptions, and social links	Gives developers the ability to brand their sale
Deposit sale token	Developer can deposit their sale tokens directly into the sale address	This allows the sale to go ahead. Guaranteeing users with a cut of sale tokens based on what they deposit
Deposit backing token/coin	Once a sale is live, users can deposit the backing token (i.e., BNB or USDT)	This raises funds for the token that is on sale, to help with both liquidity and development
Withdraw token	Once a successful sale has ended, users can withdraw the deposited sale tokens that they're eligible to take.	Allows users to trade or invest their new cryptoasset



Bifrost Lock contract

The feature list for the Bifrost Lock contract

<u>Feature</u>	<u>Description</u>	<u>Purpose</u>
Lock tokens or LP tokens	Developer or router can lock tokens or LP tokens into a locker.	Allows developers to prove that external funds are kept safe. It also gives users the extra guarantee that there will be valid liquidity that they can trade with.
View locked tokens	User can view token lockers	Gives them proof of locked funds, and the various details about the lock such as time, vestments, and amount.
Manage locked tokens	Allows the locker owner to modify the meta data, such as name or image. Lets the locker owner see how many token locks they have created.	Gives developers an extra level of control and reassurance about where their tokens are.
Modify token locker	Once a successful sale has ended, users can withdraw the deposited sale tokens that they're eligible to take.	Allows users to trade or invest their new cryptoasset

