



Baby Fenrir

Security Development Report

1st December 2022

Security Audits
& Custom Blockchain Development

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Overview

Project Description

Baby Fenrir is a mythological meme token designed to reward its community. BFR has two main factors, and that is to give a passive income to the investors (rewards through its contract) and donate to charity through the accrued fees. It is our goal to be as transparent as possible to alleviate any doubt in our community.

Project Information

Codebase

Github: <https://github.com/BabyFenrir>

Source code BSC:

<https://bscscan.com/token/0x001e32d2e36422bac1a4912a25e85843bad1c0bd>

Source code ETH:

<https://etherscan.io/token/0x2722365d51563104beb193e648f799d6fd038b50>

Website: <https://babyfenrir.com/>

Twitter: https://twitter.com/baby_fenrir

Telegram: https://t.me/baby_fenrir

Project Details

Project Name	Name
Platform	BSC, ETH
Language	Solidity
Deployed	Yes
Lines of code	1799
Manual review	Yes
Anon Team	Yes
Airdropped Tokens	No
Ico	No
Listed on dexes	Yes
Uniswap	https://app.uniswap.org/#/swap?outputCurrency=0x2722365d51563104beb193e648f799d6fd038b50
Pancakeswap	https://pancakeswap.finance/swap?outputCurrency=0x001e32d2e36422bac1a4912a25e85843bad1c0bd&chainId=56
Listed on cexes	No
Locked Liquidity	Yes
ETH	https://www.pinksale.finance/pinklock/record/1002670?chain=ETH
BSC	https://www.pinksale.finance/pinklock/detail/0xB7C95E04B0fED00D035050D3db316424F5178840?chain=BSC
Team tokens vested or locked	No team tokens allocated

Snipe Development Process

Steps

Consulting

Code writing using safe snipped code

Write costum solidity functions

Automated smart contract tests with priopietary scripts

Manual testing on testnet or mainnet networks

Contract fixes if needed

Provide security development certificate

Summary

Date:	1st December 2022
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Manual Review:	Yes
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Manual test on testnet	Yes
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Manual test on mainnet	Yes
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Project Owner KYC:	No
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Vulnerability Summary

Critical:	No
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Medium:	No
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Minor:	Yes
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Informational:	Yes
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Vulnerabilities

Minor

The contract is heavy and requires a lot of gas to execute the contract's functionalities properly.

However mitigations to possible out of gas issue have been integrated.

Informational

The owner has full access to modify some parameters of the contract such as the % of the fees, min. tokens to get the dividends and so on.

Project owner said that will change the contract's parameters only with its community consensus.

Tests & Relative Outputs

Contract configured for BSC testnet to run the tests:

<https://testnet.bscscan.com/address/0x001e32d2e36422bac1a4912a25e85843bad1c0bd#writeContract>

ACTION: transfer test to check if the owner is excluded from fees

<https://testnet.bscscan.com/tx/0x373af3cb0227c05e91f0d45233ee429a5718757d4157ef1d5531e9d98e9d2cef>

Result: The owner is excluded from the fees as it should be.

ACTION: Include on fees the owner wallet

<https://testnet.bscscan.com/tx/0x5158a466dfb5dcb9d9c8bda9495fa1d96eed09b77354082c12948d899908e2a8>

ACTION: transfer to test if owner is subject to the fees

<https://testnet.bscscan.com/tx/0x080d9c2aa825ea60c3c254a0e8c8a73e0ee7f81b33409dd212adeec2d393ade2>

Result: Transfer-Fees taken correctly

Actions: Send 100 tokens to holder1, wallet: 0x6a7d29c6a417d49d5c857ddf-ca5eb32e99434404

<https://testnet.bscscan.com/token/0x001e32d2e36422bac1a4912a25e85843bad1c0bd?a=0x6a7d29c6a417d49d5c857ddfca5eb32e99434404>

ACTION: set busd as mydividend:

<https://testnet.bscscan.com/tx/0xa1587da4ccb5e6b14201c67365415128c9258555bd4bab03776d9faca5348a80>

ACTION: Claim dividends

<https://testnet.bscscan.com/tx/0xb6ff4aa28bb7c20a7bac1a4a151ba1ee168554e08748007c34839694dd271934>

Tests & Relative Outputs

Actions:Send 200 tokens to holder2, wallet: 0x3864e86ec8d1626eaf199c517f9d6f-c9f1a2152c

<https://testnet.bscscan.com/tx/0x08cb708a2c59bd4735cbefdc32d2d7941ad448c820b741089976dbac780ed70>

BNB set as default

Action: Swapandsenddividendsowner

<https://testnet.bscscan.com/tx/0x24f55a50296469b52a0024b69d120c410a7ecaa88056a4f45486fd767eb07415>

Action: Processdividendtracker

<https://testnet.bscscan.com/tx/0x77d6deb9d0b876161709045a4b006caee81e9834926b442275845a5dc3fec52a>

Result: Dividends are allocated correctly, however not distributed due the low value allocated as the test is done with low amounts (that's to avoid outofgas if the amount to be distributed is very low, in any case the holder can claim his dividends whenever he wants to)

Action: List on a DEX BFR approval

<https://testnet.bscscan.com/tx/0xc52d295952dd6ce6303c717f1cecf9a7ec7e653fb4a8c9113b60669293ca504>

Tests & Relative Outputs

Action: add liquidity

<https://testnet.bscscan.com/tx/0xddc2edcb8303aff45fa384f98990babbca64a2a625431a570f44aec944e0add2>

Notes: Please be careful, if liquidity creator isn't excluded from fees, the % dedicated to the fees will be taken as in the above transaction link.

Action: buy Swap

<https://testnet.bscscan.com/tx/0xc52d295952dd6ce6303c717f1cecf9a7ec7e653fb4a8c9113b60669293ca504>

Result:Fees taken

Action: Sell swap

<https://testnet.bscscan.com/tx/0xb6a477dd804bdf3423191705def7a4d00053958246331ba09b4017506efacda1>

Result: Fees Taken

Conclusion

The above tests reported are a summary of the most important functionalities of this smart-contract, moreover snipefinance.com team did around 200 manual transactions to ensure the contract works properly.

It can be checked from this link:

<https://testnet.bscscan.com/token/0x001e32d2e36422bac1a4912a25e85843bad1c0bd>

Snipe Finance Auditor's department also tested the contract on both chains where it has been deployed (ETH,BSC) to ensure everything works properly in production.

The contract works properly if set correctly, otherwise it can create problems: the parameters of the contract must be modified with caution, functions have been integrated to be able to manage the token-contract in case of any problems and in case some parameters want to be changed they can only be changed by the owner including max buy,max sell, max tx, min token holding to get dividends, buy/sell/transfer fees, dividendtracker, mastercontract, automatic distribution etc..

Dividend funds are accessible only to those who have been allocated, Unclaimed dividends remain available forever.

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This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intended to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

Blockchain technology and cryptographic assets present a high level of ongoing risk. SnipeFinance.com positions that each company and individual are responsible for their own due diligence and continuous security. SnipeFinance.com goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies, and in no way claims any guarantee of security or functionality of the technology we agree to analyze.

The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.



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We help companies build their own digital products from scratch into a real and sustainable blockchain business.

Our main services include custom blockchain development & Security Audits, our auditing process consist in analyzing many aspects of the project to provide a complete and easy to understand report for the community.

