

Smart Contract Audit

FOR

Floki Chairman

DATED: 13 MAR 23'



AUDIT SUMMARY

Project name - Floki Chairman

Date: 13 March, 2023

Scope of Audit- Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

Audit Status: Passed

Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	2	0	0
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0



USED TOOLS

Tools:

1- Manual Review:

a line by line code review has been performed by audit ace team.

2- BSC Testnet network:

all tests were done on Bsc Testnet network, each test has its transaction has attached to it.

3- Slither: Static Analysis

Testnet Link: all tests were done using this contract, tests are done on BSC Testnet

https://testnet.bscscan.com/token/0x40C14cBa93b2 658aC67E9Ce812f04858abDFC72d#code



Token Information

Token Name: FLOKI CHAIRMAN

Token Symbol: CHAIRMAN

Decimals: 9

Token Supply: 100,000,000,000

Token Address:

0x41AF43168AB7ff21F3b1b53E1cf17eb5b067fB9f

Checksum:

f6cd3819dfe750f683aaa67ce06b2676af8b0447

Owner:

0x047400e53694F803e25A35945e0E97EDA051b0a6



TOKEN OVERVIEW

Fees:

Buy Fees: 8%

Sell Fees: 8%

Transfer Fees: 8%

Fees Privilige: None

Ownership: Owned

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: No

Blacklist: No

Other Priviliges: including and excluding from fees and rewards



AUDIT METHODOLOGY

The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
- Manual review of the entire codebase by our experts, which is the process of reading source code line-byline in an attempt to identify potential vulnerabilities.
- Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
- Test coverage analysis determines whether the test cases are covering the code and how much code isexercised when we run the test cases.
- Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
- Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.



VULNERABILITY CHECKLIST





CLASSIFICATION OF RISK

Severity

- Critical
- High-Risk
- Medium-Risk
- Low-Risk
- Gas Optimization
 /Suggestion

Description

These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.

A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.

A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.

A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.

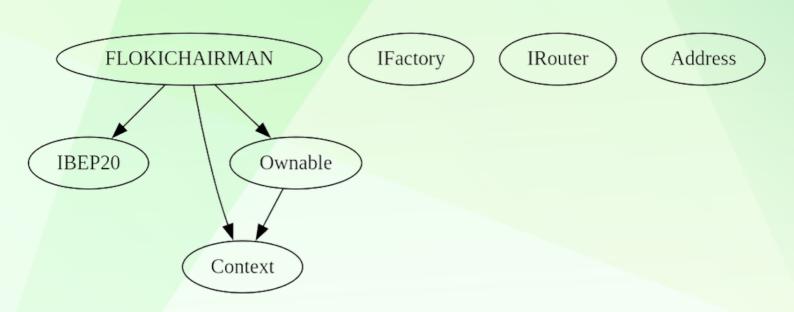
A vulnerability that has an informational character but is not affecting any of the code.

Findings

Severity	Found
◆ Critical	0
♦ High-Risk	0
♦ Medium-Risk	2
♦ Low-Risk	0
Gas Optimization /Suggestions	0



INHERITANCE TREE





POINTS TO NOTE

- Owner is not able to change fees (8% fee buy sell and transfers)
- Owner is not able to set max buy/sell/transfer/hold amount
- Owner is not able to blacklist an arbitrary wallet
- Owner is not able to disable trades
- · Owner is not able to mint new tokens
- Owner must enable trading, otherwise holders will not be able to trade



TOKEN DISTRIBUTION

It should be noted that the owner currently holds 100% of the total supply. However, information about the distribution of these tokens is not available, and it is recommended that investors exercise caution when considering this aspect.



CONTRACT ASSESMENT

```
| Contract |
               Type
                           Bases
<mark>|;-----:|;-----:|;-----:</mark>-;|;------;|;-----:|;
       | **Function Name** | **Visibility** | **Mutability** | **Modifiers** |
111111
| **IBEP20** | Interface | ||| | |
| L | totalSupply | External | | NO | |
| L | balanceOf | External | | NO | |
| L | transfer | External | | | NO | |
| | allowance | External | | NO | |
| L | approve | External | | 🛑 | NO | |
| L | transferFrom | External | | ( NO | |
**Context** | Implementation | |||
| L | msgSender | Internal 🦰 | | | |
| L | msgData | Internal 🦰 | | |
| **Ownable** | Implementation | Context | | |
| L | <Constructor> | Public | | ( NO | |
| L | owner | Public | | NO |
| L | renounceOwnership | Public | | ( ) | onlyOwner |
| L | _setOwner | Private 🦳 | 🛑 | |
111111
| **IFactory** | Interface | ||| | |
| L | createPair | External | | | NO | |
| **IRouter** | Interface | |||
| L | factory | External | | NO | |
| L | WETH | External | | NO | |
| L | addLiquidityETH | External | | IIII | INO | |
| **Address** | Library | | | |
| L | sendValue | Internal 🦲 | 🧓 | |
111111
| **FLOKICHAIRMAN** | Implementation | Context, IBEP20, Ownable | | | | | |
| L | <Constructor> | Public | | | | NO | |
| L | name | Public | | | NO | |
| L | symbol | Public | | NO | |
| L | decimals | Public | | | NO | |
| L | totalSupply | Public | | NO | |
| L | balanceOf | Public | | NO | |
```



CONTRACT ASSESMENT

```
| L | allowance | Public | | NO | | |
| L | approve | Public | | 🛑 | NO | |
| L | transferFrom | Public | | ( NO | |
| L | increaseAllowance | Public | | 🛑 | NO | |
| L | decreaseAllowance | Public | | ( NO | |
| L | transfer | Public | | ( ) | NO | |
| L | isExcludedFromReward | Public | | NO | |
| | reflectionFromToken | Public | | NO | |
| L | tokenFromReflection | Public | | NO | |
| L | excludeFromReward | Public | | ( ) | onlyOwner |
| L | includeInReward | External | | | | onlyOwner |
📙 | excludeFromFee | Public 📗 | 🛑 | onlyOwner |
| L | includeInFee | Public | | 🛑 | onlyOwner | |
| L | isExcludedFromFee | Public | | NO | |
| L | _reflectRfi | Private 🛅 | 🛑 | |
| L | takeMarketing | Private 🦰 | 🛑 | |
| L | _getValues | Private 🛅 | | |
| L | getTValues | Private 🦳 | | |
| L | _getRValues | Private 🦳 | | |
| L | _getCurrentSupply | Private P | | |
| | | _approve | Private 🖺 | 🛑 | |
| L | _transfer | Private 🤔 | 🛑 | |
| L | tokenTransfer | Private 🦳 | 🛑 | |
| L | swapAndLiquify | Private 📍 | 🛑 | lockTheSwap |
| L | swapTokensForBNB | Private 🦳 | 🛑 | |
| L | bulkExcludeFee | External | | | | onlyOwner |
| L | updateMarketingWallet | External | | ( ) | onlyOwner |
| L | updateSwapTokensAtAmount | External | | | | onlyOwner |
| L | rescueBNB | External | | | | onlyOwner |
| L | rescueAnyBEP20Tokens | Public | | ( ) | onlyOwner |
| L | <Receive Ether> | External | | I NO | |
| Symbol | Meaning |
|:-----|
      | Function can modify state |
   Function is payable |
```



STATIC ANALYSIS

```
Remarkancy in FLOKICHAIPMAN.transferFome(address, address, uint250) (contracts/Token.sol#264-279):
External calls:
- transfer(sender, recipient, amount) (contracts/Token.sol#269)
- (success) = recipient.call(value: amount)) (contracts/Token.sol#230)
- address(smrketing) (contracts/Token.sol#230)
- address(smrketing) (contracts/Token.sol#230)
- address(smrketing) (contracts/Token.sol#230)
- transfer(sender, recipient, amount)) (contracts/Token.sol#230)
- transfer(sender, recipient, amount)) (contracts/Token.sol#230)
- transfer(sender, recipient, amount)) (contracts/Token.sol#237)
- transfer(sender, recipient) (contracts/Token.sol#241)
- approved sender, assgement) (contracts/Token.sol#241)
- approved sender, assgement (c
```

Result => A static analysis of contract's source code has been performed using slither,

No issues found



FUNCTIONAL TESTING

Router (PCS V2):

0xD99D1c33F9fC3444f8101754aBC46c52416550D1

1- Adding Liquidity (Passed):

liquidity added on Pancakeswap V2:

https://testnet.bscscan.com/tx/0x3442b73a1335a75d410a030c91 771140fcd51ad7d78c9e43dd7b1e268f78f5bb

2- Buying when excluded (0%)(Passed):

https://testnet.bscscan.com/tx/0x9ae3910957189b907722e27aae 2fc7abebb81bd56f8052fb4091f3ecbb3eacdd

3- Selling when excluded (0%)(Passed):

https://testnet.bscscan.com/tx/0x7f3a0f583ccd2a21ff018b3ee4a 43343fe332e72b11f7d9b89b185f6dbff73a9

4- Transferring when excluded (0% tax) (passed):

https://testnet.bscscan.com/tx/0x4b9e2ce325dd17149ed3e32c13a 9bb9280975f304f8e9edeb39e23e7bd0b42ca

5- Buying when not excluded (8% tax) (passed):

https://testnet.bscscan.com/tx/0xb4f2cd1f165c23d1aa525dcee44cb6500a19876c586762ed9a510bff603a2d3a



FUNCTIONAL TESTING

6- Selling when not excluded (8% tax) (passed):

https://testnet.bscscan.com/tx/0xfa986944f301fd29d3f34996009 739c201b3a7fa8c141d483c88ade28b66c33b

7- Transferring when not excluded(8% tax) (passed):

https://testnet.bscscan.com/tx/0xb3169db4388f40dbb23682307b 9d65a34c7d0e6aa6b6ef23fbce01c869a63aa6

8- Internal swap (passed):

marketing wallet received ETH

https://testnet.bscscan.com/address/0x37c55fdc707cbbd0dfca25a14d06f9840e6ef085#internaltx

9- Reflections (passed):

we monitors wallet balances for testing this features, wallets received reflection after trades, they stop getting reflections after getting excluded from rewards



MANUAL TESTING

Issue: swap threshold can revert some sells

Type: logical

Function: updateSwapTokensAtAmount

Line: 535-538

Severity: Medium

Overview:

If swap threshold and contract balance are both zero, **swapAndLiquify** function will fail the transaction.

```
function swapAndLiquify() private lockTheSwap {
   uint256 contractBalance = balanceOf(address(this));
   swapTokensForBNB(contractBalance);
   uint256 deltaBalance = address(this).balance;

if (deltaBalance > 0) {
   payable(marketingWallet).sendValue(deltaBalance);
}
```

Recommendation:

· make sure that swap threshold is always higher than 0



MANUAL TESTING

IIssue: Trades must be enabled by owner

Type: Centralization

Function: EnableTrading

Line: 475-478

Severity: Medium - Informational

Overview:

Owner must enable trading otherwise holders of the token will not be able to trade (sell/transfer) their tokens. However once trading is enabled, owner is not able to disable it again

```
function EnableTrading() external onlyOwner {
    require(!tradingEnabled, "Cannot use this function again");
    tradingEnabled = true;
}
```



Social Media Overview

Here are the Social Media Accounts of Floki Chairman



https://t.me/flokichairmangroup



https://twitter.com/FlokiChairman



https://www.flokichairman.com



DISCLAIMER

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment. Team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed. The Auditace team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools. Under no circumstances did Auditace receive a payment to manipulate those results or change the awarding badge that we will be adding in our website. Always Do your own research and protect yourselves from scams. This document should not be presented as a reason to buy or not buy any particular token. The Auditace team disclaims any liability for the resulting losses.



ABOUT AUDITACE

We specializes in providing thorough and reliable audits for Web3 projects. With a team of experienced professionals, we use cutting-edge technology and rigorous methodologies to evaluate the security and integrity of blockchain systems. We are committed to helping our clients ensure the safety and transparency of their digital assets and transactions.



https://auditace.tech/



https://t.me/Audit_Ace



https://twitter.com/auditace_



https://github.com/Audit-Ace