



AUDIT REPORT

SecureWise

ZERO INFLATION FINANCE (ZIFI)



Quick Result

Quick Result	Status
Owner can mint ?	Not Detected
Owner can update tax over 25% ?	Not Detected
Owner can pause trade ?	Yes
Owner can enable trading ?	Yes
Owner can add Blacklist ?	Not Detected
Owner can set Max Tx ?	Pass
Owner can set Max Wallet Amount ?	Not Detected
KYC ?	No KYC

Zero Inflation Finance (ZiFi) as **PASSED** the smart contract audit with **Critical Issues**.

Findings

Risk Classification	Description
High	Exploits, vulnerabilities or errors that will certainly or probabilistically lead towards loss of funds, control, of the contract and its functions. Must be fixed as soon as possible.
Medium	Bugs or issues with that may be subject to exploit, though their impact is somewhat limited. Must be fixed as soon as possible.
Low	Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless.
Informational	A vulnerability that have informational character but is not effecting any of the code

Severity	Found	Pending	Resolved
High	0	4	0
Medium	0	1	0
Low	0	0	0
Informational	0	7	0
Total	0	12	0

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Overview

Token Name: Zero Inflation Finance (**ZiFi**)

Language: Solidity

Contract Address: 0x8321Dd0Fd5FE01c59e6acbA98CC6408bd6a57b7C

Network: Binance Smart Chain

Supply: 10000000000

KYC: No KYC

Website: <https://zifitoken.io>

Twitter: <https://twitter.com/ZiFiToken>

Telegram: <https://t.me/ZiFitoken>

Report Date: July 16, 2023

Auditing Approach and Methodologies

SecureWise has performed starting with analyzing the code, issues, code quality, and libraries. Reviewed line-by-line by our team. Finding any potential issue like race conditions, transaction-ordering dependence, timestamp dependence, and denial of service attacks.

Methodology

- Understanding the size, scope and functionality of your project's source code
- Manual review of code, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
- Testing and automated analysis of the Smart Contract to determine proper logic has been followed throughout the whole process
- Deploying the code on testnet using multiple live test
- Analyzing a program to determine the specific input that causes different parts of a program to execute its functions.
- Checking whether all the libraries used in the code are on the latest version.

Goals

Smart Contract System is secure, resilient and working according to the specifications and without any vulnerabilities.

Risk Classification

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Low: Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless.

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Findings Summary

SecureWise has applied the automated and manual analysis of Smart Contract and were reviewed for common contract vulnerabilities and centralized exploits

Findings

	Owner has authority to pause the contract.
	User can be charged fees up to 99% indirect when trading at first block
	Owner has the authority to change the target liquidity and denominator values without limit
	Owner has the authority to set distribution criteria and can set min period and distribution "0"
	Auto liquidity is transferred to an externally owned account.
	Owner has authority to change maxTxAmount.
	Owner has authority to change Buyback settings
	Accounts can be excluded by the owner from receiving rewards.
	Owner has authority to change fees max 25%
	Owner has the authority to update swap back settings and can set swap threshold "0"
	Owner has the authority to exclude account from fees
	Owner has authority to exclude account from txLimit.

Zero Inflation Finance (ZiFi) as **PASSED the smart contract audit with Critical Issues.**

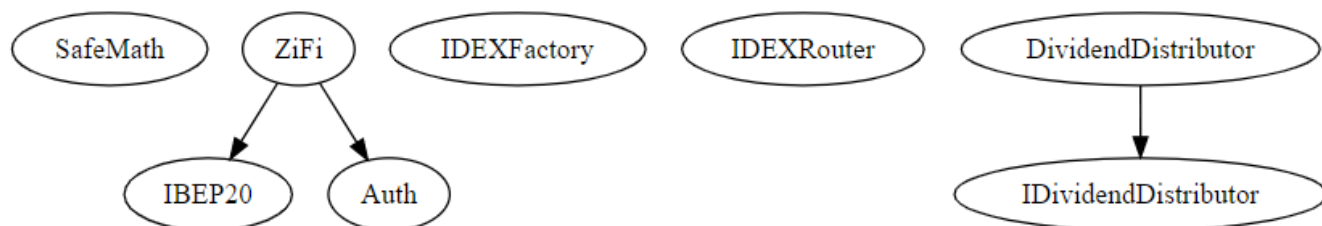
Function Privileges

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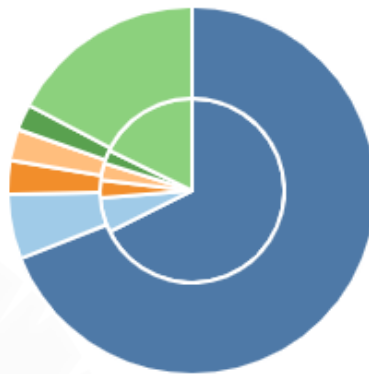
**ZiFi** | Implementation | IBEP20, Auth ||
| L | <Constructor> | Public ! | ● | Auth |
| L | <Receive Ether> | External ! | ■ | NO ! |
| L | totalSupply | External ! | | NO ! |
| L | decimals | External ! | | NO ! |
| L | symbol | External ! | | NO ! |
| L | name | External ! | | NO ! |
| L | getOwner | External ! | | NO ! |
| L | balanceOf | Public ! | | NO ! |
| L | allowance | External ! | | NO ! |
| L | approve | Public ! | ● | NO ! |
| L | approveMax | External ! | ● | NO ! |
| L | transfer | External ! | ● | NO ! |
| L | transferFrom | External ! | ● | NO ! |
| L | setTradingEnabled | External ! | ● | authorized |
| L | _transferFrom | Internal 🔒 | ● | |
| L | _basicTransfer | Internal 🔒 | ● | |
| L | checkTxLimit | Internal 🔒 | | |
| L | shouldTakeFee | Internal 🔒 | | |
| L | getTotalFee | Public ! | | NO ! |
| L | getMultipliedFee | Public ! | | NO ! |
| L | takeFee | Internal 🔒 | ● | |
| L | shouldSwapBack | Internal 🔒 | | |
| L | swapBack | Internal 🔒 | ● | swapping |
| L | shouldAutoBuyback | Internal 🔒 | | |
| L | triggerZeusBuyback | External ! | ● | authorized |
| L | clearBuybackMultiplier | External ! | ● | authorized |
| L | triggerAutoBuyback | Internal 🔒 | ● | |
| L | buyTokens | Internal 🔒 | ● | swapping |
| L | setAutoBuybackSettings | External ! | ● | authorized |
| L | setBuybackMultiplierSettings | External ! | ● | authorized |
| L | launched | Internal 🔒 | | |
| L | launch | Public ! | ● | authorized |
| L | setTxLimit | External ! | ● | authorized |
| L | setIsDividendExempt | External ! | ● | authorized |
| L | setIsFeeExempt | External ! | ● | authorized |
| L | setIsTxLimitExempt | External ! | ● | authorized |
| L | setFees | External ! | ● | authorized |
| L | setFeeReceivers | External ! | ● | authorized |
| L | setSwapBackSettings | External ! | ● | authorized |
| L | setTargetLiquidity | External ! | ● | authorized |
| L | setDistributionCriteria | External ! | ● | authorized |
| L | setDistributorSettings | External ! | ● | authorized |
| L | getCirculatingSupply | Public ! | | NO ! |
| L | getLiquidityBacking | Public ! | | NO ! |
| L | isOverLiquified | Public ! | | NO ! |

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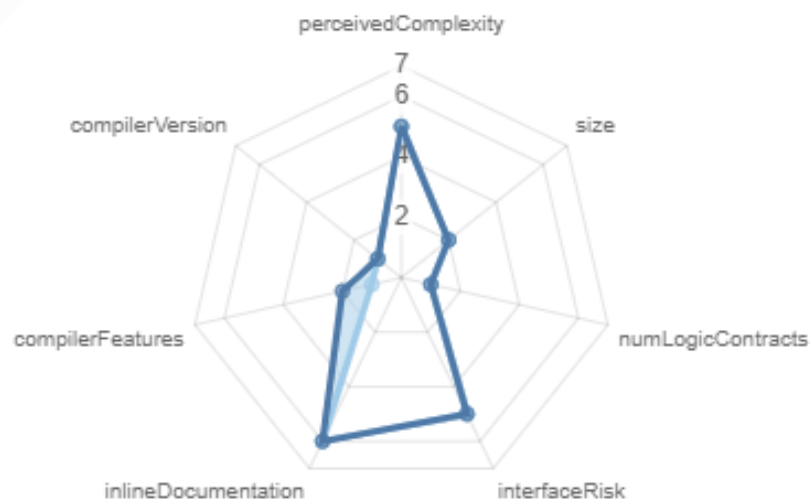

Inheritance Graph



Source Lines



Risk



Disclaimer

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