



SMART CONTRACT SECURITY AUDIT

WATCHTOWER

DISCLAIMER

Watchtower has completed this report to provide a summary of the Smart Contract functions, and any security, dependency or cybersecurity vulnerabilities. This is often a constrained report on our discoveries based on our investigation and understanding of the current programming versions as at the date of this report. In order to understand the full scope of our analysis, it is vital for you to review the complete report. Although we have done our best in conducting our investigation and creating this report, it is vital to note that you should not depend on this report and cannot make any claim against Watchtower or its Subsidiaries and Team members on the premise of what has or has not been included in the report. Please remember to conduct your own independent examinations before making any investment choices. We do not provide investment advice or in any way claim to determine if the project will be successful or not.

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ABOUT THE AUDITOR:

Watchtower is an Anti-Scam Token Utility which reviews Smart Contracts and Token information to Identify Rug Pull and Honey Pot scamming activity.

Watchtowers Development Team consists of a number of Smart Contract creators, Auditors Developers and Blockchain experts.

Watchtowers Website Scanner reviews a number of Risk factors to provide an adequate Risk summary of token projects.

In Addition to this the team also helps with Creation of Smart Contracts for legitimate projects, Audits and Promotion.





OVERVIEW

Watchtower was commissioned by DodgeTheFloki to complete a Smart Contract audit.

The objective of the Audit is to achieve the following:

- Review the Project and experience and Development team
- Ensure that the Smart Contract functions are necessary and operate as intended.
- Identify any vulnerabilities in the Smart Contract code.

DISCLAIMER: This Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or provide financial advice in any way, All investments are made at your own risk.

(<https://www.cryptowatchtower.io/>)

DodgeTheFloki RUG RISK SCORE AVAILABLE ON OUR WEBSITE: 7/10

<https://cryptowatchtower.io/tokens/scan/0x9680c8CeA945816Dc0c0D3Ea047925181B6Bc06B/>



SMART CONTRACT REVIEW



Contract Created on the 7th November 2021

Contract name	DodgeTheFloki
Contract address	0x9680c8CeA945816Dc0c0D3Ea047925181B6Bc06B
Total supply	1,000,000,000
Token ticker	DTF
Decimals	18
Token holders	1471
Transactions count	2622
Top 5 holders dominance	9.3% - Burn Adjusted
Tax fee	5%
Total fees	5% - BUY/SELL
Contract deployer address	0x088c6c5BED24Ae09AC83D725D675f021bf115967
Contract's current owner address	0x088c6c5BED24Ae09AC83D725D675f021bf115967



Project Overview

Project Details:

(From Project website: <https://www.dodgethefloki.com>)

DodgetheFloki is decentralised token on the Binance smart chain network. The project has been created by an experienced business management team along with some of the best P2E game developers in the Crypto space. Our vision is to create 12 of the most exciting and addictive P2E games on the Bsc network.

Tokenomics:

Starting Supply: 1,000,000,000 (1 Billion)

5% BUY/SELL Tax which consists of:

3% Liquidity

1% Marketing

1% Development

Team Review:

Watchtower reviewed a number of factors including the teams background and Cryptocurrency experience, social media interaction and availability, project momentum, token risks and community trust score.

The teams background includes a combined is 20 years of Crypto experience and Developer with 4 years experience. There is no team or dev wallet within the project and all remaining tokens were burned after their Pre-sale with Pinksale.

The team is active on social media, including Twitter and Telegram.

The website was created by a Developer and the team is looking at developing Crypto games and NFT's.



CONTRACT FUNCTIONS DETAILS

Functions (Public)

1. This contract has 27 available public functions which the owner can call.
2. These functions were reviewed and can be viewed on BSC Scan or through a DAPP.

LINK:

<https://bscscan.com/address/0x9680c8CeA945816Dc0c0D3Ea047925181B6Bc06B#writeContract>

Function risks:

1. No Scam Functions Identified!
2. Tax fees can be increased to high levels making it harder to sell, which is quite normal with Rewards contracts.



Contract Stress Test

Imported Libraries / Interfaces

- Context
- Ownable
- IERC20
- IERC20 Metadata
- DividendPayingTokenOptionalInterface
- DividendPayingTokenInterface
- SafeMathInt
- SafeMathUint
- SafeMath
- ERC20
- DividendPayingToken (<https://github.com/roger-wu>)
- IUniswapV2Router01
- IUniswapV2Router02
- IUniswapV2Factory
- IUniswapV2Pair

Overview

1. ADDITION OF COMMENTS:	8
2. CALL STACK DEPTH ATTACK:	10
3. TIME STAMP DEPENDENCY:	10
4. PARTY MULTISIG BUG:	10
5. USE OF LIBRARIES/DEPENDENCIES (FROM TRUSTED SOURCES):	10
a. TRANSACTION-ORDERING DEPENDENCY:	10
6. ACCESS CONTROL AND AUTHORIZATION:	10
7. REENTRANCY ATTACKS:	10
8. ERC/BEP STANDARD VIOLATIONS:	10
9. USAGE OF VISIBILITY LEVELS:	10



ISSUES CHECKING STATUS



Issue description	Checking status
1. Compiler errors.	Passed
2. Race conditions and Reentrancy. Cross-function race conditions.	Passed
3. Possible delays in data delivery.	Passed
4. Oracle calls.	Passed
5. Front running.	Passed
6. Timestamp dependence.	Passed
7. Integer Overflow and Underflow.	Passed
8. DoS with Revert.	Passed
9. DoS with block gas limit.	Passed
10. Methods execution permissions.	Passed



Issue description	Checking status
11. Economy model of the contract.	Passed
12. The impact of the exchange rate on the logic.	Passed
13. Private user data leaks.	Passed
14. Malicious Event log.	Passed
15. Scoping and Declarations.	Passed
16. Uninitialized storage pointers.	Passed
17. Arithmetic accuracy.	Passed
18. Design Logic.	Passed
19. Cross-function race conditions.	Passed
20. Safe Open Zeppelin contracts implementation and usage.	Passed
21. Fallback function security.	Passed



SECURITY ISSUES



High Severity Issues

Nil



Medium Severity Issues

- BNB transfers with a low gas limit:
withdrawDividendOfUser() function of DividendPayingToken contract
transfers BNB via .call{value, gas} method with 3000 of gas limit.
This relatively small constant may cause problems with future ETH/BSC updates
as operation gas costs may change with forks.

- Wrong Math:

sellTokens = balanceOf(address(this)) bypass the swapTokensAtAmount value.

It should be:

```
sellTokens = contractTokenBalance.mul(BNBRewardsFee).div(totalFees);
```



Low Severity Issues

Centralisation Risk:

Fees can be set to 100 disallowing users to trade which is common with Rewards contracts.



CONCLUSION

Watchtower reviewed the DodgeTheFloki deployed and verified contract to conduct this audit.

Watchtower is satisfied that the contract has no malicious coding and that no high severity issues have been found in the contract during our simulations.

Watchtower Disclaimer:

Please check the disclaimer page and note, this Audit is intended to inform about token Contract Risks, the result does not imply an endorsement or in any way provide financial advice, please do your own research. By reading this report you accept and agree to the disclaimer and understand investments are made at your own risk.

(<https://www.cryptowatchtower.io/>)

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