



SMART CONTRACT SECURITY AUDIT

WATCHTOWER

AUDIT DETAILS



Project Name

Fat Cake



Contract address

0xb7dba4c673bedb174dc3ff7ec65d17c863d39b16



Deployer Address:

Smart Contract Developers (CryptoWatchtower.io)



Blockchain

Binance Smart Chain



Project website:

<https://fatcake.club/>



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 Fat Cake to complete a Smart Contract audit.
The objective of the Audit is to achieve the following:

- Review the Project and experience and Development team (Doxxed)
- 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,
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[\(https://www.cryptowatchtower.io/\)](https://www.cryptowatchtower.io/)



SMART CONTRACT REVIEW



Contract Created on 08.20.2021

Contract name	FAT CAKE
Contract address	0xB7Dba4C673beDB174DC3Ff7Ec65d17C863d39b16
Total supply	100,000,000,000
Token ticker	FATCAKE
Decimals	18
Token holders	2361
Transactions count	55195
Top 5 holders dominance	PRE-SALE
Tax fee	15%
Total fees	15%
Contract deployer address	Smart Contract Development Team
Contract's current owner address	0xA7c3aabf911b8ff6cdF61EB9Eb5147fE5D8bFdDD



FAT CAKE Project and Team Overview

Project Details:

FAT CAKE identifies as the most rewarding CAKE reflection token. The token is supported by a decentralized social app called Frosting. Frosting allows content creators to share content and interact with their fans. Token holders benefit with access to the platform and also earn dividends from the profits generated by the Platform. FAT CAKE claims Frosting Social is the first community owned social media platform.

Tokenomics:

Starting Supply: 100,000,000,000 (100 Billion)
10% CAKE Rewards to Holders
2% Auto Liquidity
3% Marketing

Team and Project Review:

The FAT CAKE team consists of an experienced team of contractors, full time developers and moderators. The Team members have shown a good level of professionalism and ambition for the project. The FAT CAKE team has portrayed a strong level of experience in Cryptocurrency and have a planned vision to grow FATCAKE into a Utility based token. FATCAKE is developing a Social Platform for content creators to interact with fans which includes an NFT Platform. Token Holders benefit by receiving dividends from user fees and ad revenue. Token Holders also get free access.



CONTRACT FUNCTIONS DETAILS

FUNCTIONS (PUBLIC)

1. Approve spender
2. Blacklist
3. Claim
4. Decrease allowance
5. Exclude from Dividends
6. Exclude from fees
7. Exclude multiple accounts from fees
8. Increase Allowance
9. Process Dividend tracker
10. Renounce ownership
11. Set automated Market Maker Pair
12. Set CAKE rewards Fee
13. Set Liquidity Fee
14. Set Marketing Fee
15. Set Marketing wallet
16. Set Max transaction amount
17. Set Max wallet balance
18. Transfer to
19. Transfer from
20. Transfer Ownership
21. Update Claim Wait
22. Update Dividend Tracker



Function continued

- 23. Update Gas for Processing
- 25. Update Uniswap V2 Router

Function Risks

Upon review of Smart Contract Coding and Functions available for the Owner to change Watchtower is satisfied that no malicious coding has been found, The Functions and fees in our review from the time of launch til present, (approx 1 month) conveys genuine and legitimate operations.

Note: Rewards contracts generally allow the owner to change tax fees and as a result they can increase the fees to a higher amount, making it difficult to sell.

Watchtowers review found that the Owner has been genuine in operating the smart contract functions by excluding the dev and locked wallets from rewards.

Liquidity Lock proof was provided and top token holders price impact deemed satisfactory. Watchtower is satisfied the contract functions are operating as intended with genuine intentions.



Imported Libraries / Interfaces

- Context
- Ownable
- IERC20
- IERC20 Metadata
- DividendPayingTokenOptionalInterface
- DividendPayingTokenInterface
- SafeMathInt
- SafeMathUint
- SafeMath
- ERC20
- DividendPayingToken
- IUniswapV2Router01
- IUniswapV2Router02
- IUniswapV2Factory
- IUniswapV2Pair

Overview

1. ADDITION OF COMMENTS:	10
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:	9
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

No High Severity Issues found.



Medium Severity Issues

No Medium Severity issues found.



Low Severity Issues

No Low Severity issues found.



CONCLUSION

Watchtowers review of FAT CAKE and it's team was conducted over a period of 1 week.

The Contract transfers, function behaviours and contract efficiency was analysed. Watchtower is satisfied there are no severity issues with the Contract.

Watchtower is also able to confirm that it was given proof that the team is building and working on their platform and token utility as promoted.

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.

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Contact Us

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