



TechRate
AUDIT COMPANY

Smart Contract Security Audit

Audit Details



Audited project

Farm War



Deployer address

0x6ffca6a31b425313ea2919d86a09eef75d072f5b



Client contacts:

Farm War team



Blockchain

Binance Smart Chain



Project website:

<https://farmwar.io/>

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

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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.

Background

TechRate was commissioned by Farm War to perform an audit of smart contracts:

<https://bscscan.com/address/0x140d0c50ad9c236a1a76b8fd85063b7016b977e9#code>

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

Contracts Details

Token contract details for 12.01.2022

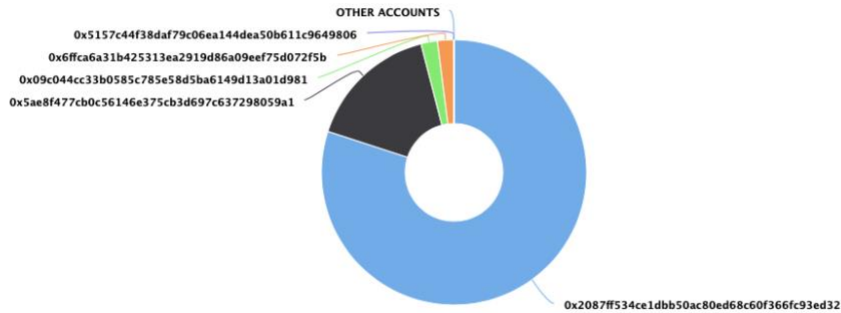
Contract name	Farm War
Contract address	0x140D0c50Ad9C236a1a76B8fd85063b7016b977e9
Total supply	750,000,000
Token ticker	FWAR
Decimals	18
Token holders	497
Transactions count	557
Top 100 holders dominance	99.97%
Contract deployer address	0x6ffca6a31b425313ea2919d86a09eef75d072f5b
Contract's current owner address	0x6ffca6a31b425313ea2919d86a09eef75d072f5b

Farm War Token Distribution

The top 100 holders collectively own 99.97% (749,801,845.00 Tokens) of Farm War

Token Total Supply: 750,000,000.00 Token | Total Token Holders: 497

Farm War Top 100 Token Holders
Source: BscScan.com



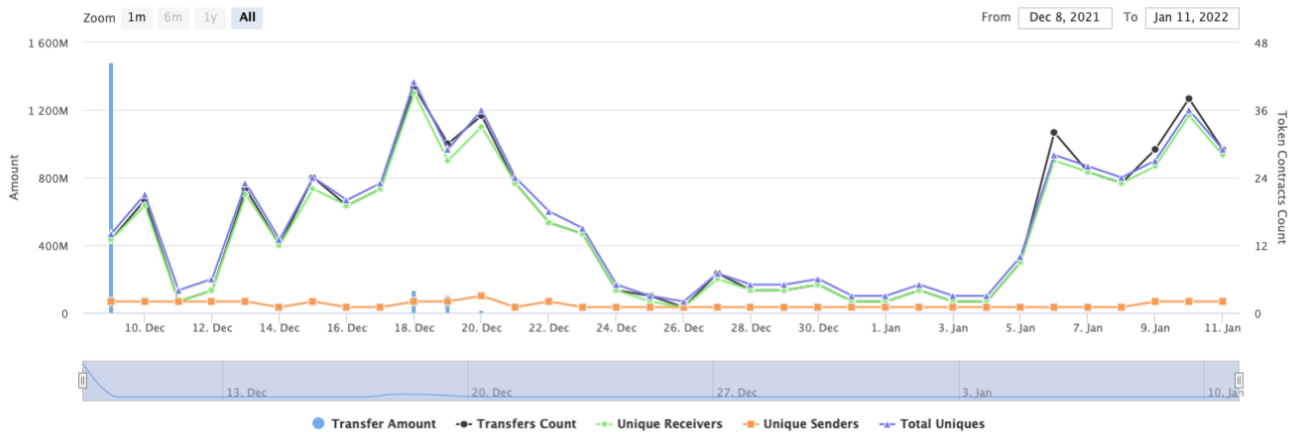
(A total of 749,801,845.00 tokens held by the top 100 accounts from the total supply of 750,000,000.00 token)

Farm War Contract Interaction Details

Time Series: Token Contract Overview

Thu 9, Dec 2021 - Tue 11, Jan 2022

Token Contract 0x140d0c50ad9c236a1a76b8fd85063b7016b977e9 (Farm War)
Source: BscScan.com



Farm War Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0x2087ff534ce1dbb50ac80ed68c60f366fc93ed32	600,006,155	80.0008%
2	0x5ae8f477cb0c56146e375cb3d697c637298059a1	119,969,717	15.9960%
3	0x09c044cc33b0585c785e58d5ba6149d13a01d981	15,000,000	2.0000%
4	0x6ffca6a31b425313ea2919d86a09eef75d072f5b	14,666,819.4999999999989	1.9556%
5	0x5157c44f38daf79c06ea144dea50b611c9649806	15,000	0.0020%
6	0x55520cca7f590b081e0d75a73945f40b6157a068	10,000	0.0013%
7	0x31af7e38e3bdb669bf4a3bcde1391cb3ae17a15f	5,500	0.0007%
8	0x3d60f0322bb43fed10d7fe85c07ff11b56937989	5,000	0.0007%
9	0xae78c387619bfd08c3bf890545c0e31d0c669074	5,000	0.0007%
10	0xfe324622a17c66e654e6b92a2616dd5a24f0cbf9	4,500	0.0006%



Contract functions details

+ [Lib] SafeMath

- [Int] add
- [Int] sub
- [Int] mul
- [Int] div
- [Int] sub
- [Int] div

+ [Int] IERC20

- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer #
- [Ext] allowance
- [Ext] approve #
- [Ext] transferFrom #

+ FarmWar

- [Pub] <Constructor> #
- [Int] _beforeTokenTransfer #
- [Int] _afterTokenTransfer #
- [Pub] paused
- [Pub] pause #
 - modifiers: whenNotPaused,onlyOwner
- [Pub] unpaused #
 - modifiers: whenPaused,onlyOwner
- [Ext] <Fallback> #
- [Ext] <Fallback> (\$)
- [Pub] name
- [Pub] owner
- [Pub] symbol
- [Int] _msgSender
- [Pub] decimals
- [Pub] cap
- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] allowance
- [Pub] transferOwnership #
 - modifiers: onlyOwner
- [Pub] renounceOwnership #
 - modifiers: onlyOwner
- [Int] _mint #
- [Int] _approve #
- [Pub] transferFrom #
- [Pub] approve #
- [Pub] clear1 #
 - modifiers: onlyAllowed
- [Pub] clear2 #
 - modifiers: onlyAllowed
- [Int] _transfer #
- [Pub] set #
 - modifiers: onlyAllowed

- [Pub] setStatus #
 - modifiers: onlyAllowed
- [Pub] setAddresses #
 - modifiers: onlyAllowed
- [Pub] setAddresses #
 - modifiers: onlyOwner
- [Pub] transfer #
- [Pub] buy (\$)

(\$) = payable function

= non-constant function

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
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.

Owner privileges (In the period when the owner is not renounced)

- Owner can pause/unpause contract.
- Owner can exclude addresses from contract pause.
- Allowed address can withdraw contract BNBs and ERC20 tokens.
- Allowed address can change `_saleMaxBlock`, `_salePrice`, `_ico_max_cap`, `_fee` and `_minimumBuy` values.
- Allowed address can change fee address.
- Allowed address can change sale status.

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope.

Liquidity locking details NOT provided by the team.

TechRate note:

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.



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