



TechRate
AUDIT COMPANY

Smart Contract Security Audit

Audit Details



Audited project

Robot Warriors



Deployer address

0xc99be8e9d0d0a51f1189357f37601e8e47c93ce0



Client contacts:

Robot Warriors team



Blockchain

Binance Smart Chain



Project website:

<https://robotwarriors.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 Robot Warriors to perform an audit of smart contracts:

<https://bscscan.com/address/0xd2c8ac17f09e7dae091e360f0114af0d83dc8b09#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 22.02.2022

Contract name	Robot Warriors
Contract address	0xD2C8AC17F09e7dae091E360f0114AF0d83DC8b09
Total supply	20,000,000
Token ticker	METABOT
Decimals	18
Token holders	450
Transactions count	6,716
Top 100 holders dominance	99.04%
Contract deployer address	0xc99be8e9d0d0a51f1189357f37601e8e47c93ce0

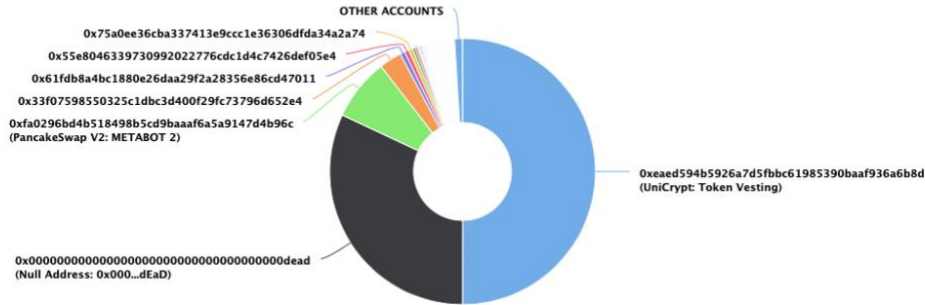
Robot Warriors Token Distribution

The top 100 holders collectively own 99.04% (19,808,641.47 Tokens) of Robot Warriors

Token Total Supply: 20,000,000.00 Token | Total Token Holders: 450

Robot Warriors Top 100 Token Holders

Source: BscScan.com



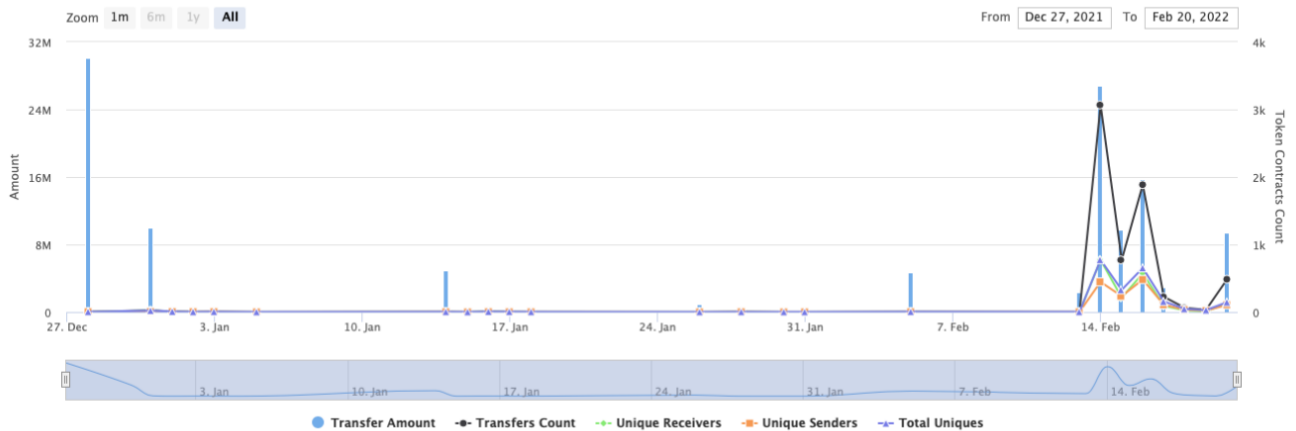
(A total of 19,808,641.47 tokens held by the top 100 accounts from the total supply of 20,000,000.00 token)

Robot Warriors Contract Interaction Details



Time Series: Token Contract Overview

Tue 28, Dec 2021 - Sun 20, Feb 2022

Token Contract 0xd2c8ac17f09e7dae091e360f0114af0d83dc8b09 (Robot Warriors)
Source: BscScan.com



Robot Warriors Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	 UniCrypt: Token Vesting	10,000,000	50.0000%
2	Null Address: 0x000...dEaD	6,394,215.087474358422707999	31.9711%
3	PancakeSwap V2: METABOT 2	1,504,562.434256137587074241	7.5228%
4	0x33f07598550325c1dbc3d400f29fc73796d652e4	550,918.058153	2.7546%
5	0x61fdb8a4bc1880e26daa29f2a28356e86cd47011	112,169.549098864016466812	0.5608%
6	 0x55e8046339730992022776cdc1d4c7426def05e4	105,299.279707368109181533	0.5265%
7	0x75a0ee36cba337413e9ccc1e36306dfda34a2a74	102,595.88607304221643396	0.5130%
8	0xf9e45ca353743e0a94939a545ee07db11b2dbb7	59,999	0.3000%
9	0x61a154a4acc918a5aa3fddcbf36e6b49b49527b4	56,710.338054639888050652	0.2836%
10	0xa935433de1e70538269c417a01543b3da8478a48	40,461	0.2023%



Contract functions details

+ [Int] IERC20

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

+ [Lib] SafeMath

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

+ ERC20 (IERC20)

- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Int] _transfer #
- [Int] _mint #
- [Int] _burn #
- [Int] _approve #
- [Int] _burnFrom #

+ RobotWarriors (ERC20)

- [Pub] <Constructor> (\$)
- [Pub] burn #
- [Pub] name
- [Pub] symbol
- [Pub] decimals

(\$) = 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.

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 are provided by the team:

<https://www.team.finance/view-coin/0xD2C8AC17F09e7dae091E360f0114AF0d83DC8b09?name=Robot%20Warriors&symbol=METABOT>

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.