

TechRate
April, 2022



SMART CONTRACTS SECURITY AUDIT REPORT



Techrate_audits



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Techrate1

Audit Details



Audited project

SharksStake



Deployer address

0xb85522319e3e49315aad2dd487db46a601d30bea



Client contacts:

SharksStake team



Blockchain

Binance Smart Chain



Project website:

[Sharksstake.io](https://sharksstake.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 SharksStake to perform an audit of smart contracts:

<https://bscscan.com/address/0x2eD8ae766fcf20f582011221F7f1d1F736eE44D0#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 09.04.2022

Contract name SharksStake

Contract address 0x2eD8ae766fcf20f582011221F7f1d1F736eE44D0

Total supply 50,000,000,000,000,000

Token ticker Sharks

Decimals 0

Token holders 3

Transactions count 9

Top 100 holders dominance 100.00%

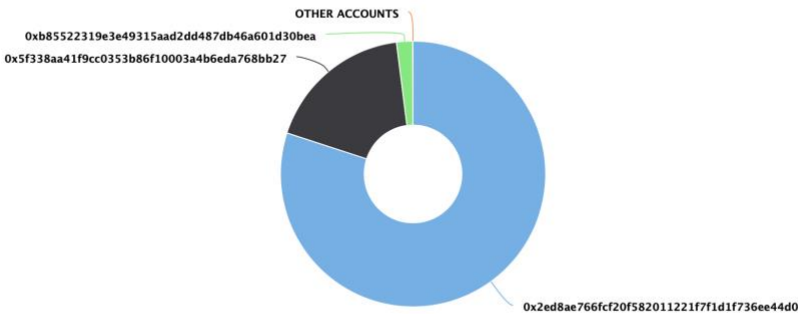
Contract deployer address 0xb85522319e3e49315aad2dd487db46a601d30bea

Owner address 0xb85522319e3e49315aad2dd487db46a601d30bea

SharksStake Token Distribution

The top 100 holders collectively own 100.00% (50,000,000,000,000,000.00 Tokens) of Sharks Stake | Token Total Supply: 50,000,000,000,000.00 Token | Total Token Holders: 3

Sharks Stake Top 100 Token Holders
Source: BscScan.com



(A total of 50,000,000,000,000.00 tokens held by the top 100 accounts from the total supply of 50,000,000,000,000.00 token)

SharksStake Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	Ox2ed8ae766fc20f582011221f7f1d1f736ee44d0	39,999,888,950,000,000	79.9998%
2	Ox5f338aa41f9cc0353b86f10003a4b6eda768bb27	9,000,000,000,000,900	18.0000%
3	Oxb85522319e3e49315aad2dd487db46a601d30bea	1,000,111,049,999,100	2.0002%

Contract functions details

+ [Lib] SafeMath

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

+ BEP20Interface

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

+ ApproveAndCallFallBack

- [Pub] receiveApproval #

+ Owned

- [Pub] <Constructor> #
- [Pub] transferOwnership #
 - modifiers: onlyOwner
- [Pub] acceptOwnership #

+ TokenBEP20 (BEP20Interface, Owned)

- [Pub] <Constructor> #
- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] allowance
- [Pub] approveAndCall #
- [Ext] <Fallback> (\$)

+ SharksStake (TokenBEP20)

- [Pub] getAirdrop #
- [Pub] tokenSale (\$)
- [Pub] viewAirdrop
- [Pub] viewSale
- [Pub] startAirdrop #
 - modifiers: onlyOwner

- [Pub] startSale #
 - modifiers: onlyOwner
- [Pub] clearETH #
 - modifiers: onlyOwner
- [Ext] <Fallback> (\$)

(\$)= 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 start airdrop.
- Owner can start sale.
- Owner can withdraw BNBs from the contract (Not an issue as this is the sale contract).

Conclusion

Smart contracts do not contain high severity issues! Audited only sale contract. The further transfers and operations with the funds raise are not related to this particular contract.

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.