



Smart Contract Security Audit

By

Eagle Spy

For
Oceans Finance



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.

Audit details

Audited project: Oceans Finance

Total supply: 1,321,030

Token ticker: OCEANS

Decimals: 5

Contract address: 0x7769d930BC6B087f960C5D21e34A4449576cf22a

Languages: Solidity (Smart contract)

Platforms and Tools: Remix IDE, Truffle, Truffle Team, Ganache, Solhint, VScode, Mythril,

Contract Library

Compiler Version: v0.7.6+commit.7338295f

Optimization Enabled: Yes with 200 runs

Contract Deployer Address: 0x97E0Ceb36E37646e58B05d7B5A461e05c0906417

Blockchain: Binance Smart Chain

Project website: <https://oceans.finance>

The audit items and results:

(Other unknown security vulnerabilities are not included in the audit responsibility scope)

Audit Result: Passed

Audit Date: May 13 , 2022

Audit Team: EAGLE SPY

<https://www.eaglespy.io>

Introduction

This Audit Report mainly focuses on the overall security of SmartMonkey Smart Contract. With this report, we have tried to ensure the reliability and correctness of their smart contract by complete and rigorous assessment of their system's architecture and the smart contract codebase.

Auditing Approach and Methodologies applied :

The EAGLE SPY team has performed rigorous testing of the project starting with analyzing the code design patterns in which we reviewed the smart contract architecture to ensure it is structured and safe use of third-party smart contracts and libraries. Our team then performed a formal line by line inspection of the Smart Contract to find any potential issue like race conditions, transaction-ordering dependence, timestamp dependence, and denial of service attacks.

In the Unit In the Unit testing Phase, we coded/conducted custom unit tests written for each function in the contract to verify that each function works as expected.

In Automated Testing, we tested the Smart Contract with our in-house developed tools to identify vulnerabilities and security flaws.

The code was tested in collaboration of our multiple team members and this included -

- Testing the functionality of the Smart Contract to determine proper logic has been followed throughout the whole process.
- Analyzing the complexity of the code in depth and detailed, manual review of the code, lineby-line.
- Deploying the code on testnet using multiple clients to run live tests.
- Analyzing failure preparations to check how the Smart Contract performs in case of any bugs and vulnerabilities.
- Checking whether all the libraries used in the code are on the latest version.
- Analyzing the security of the on-chain data.

Audit Goals

The focus of the audit was to verify that the Smart Contract System is secure, resilient and working according to the specifications. The audit activities can be grouped in the following three categories:

Security

Identifying security related issues within each contract and the system of contract.

Sound Architecture

Evaluation of the architecture of this system through the lens of established smart contract best practices and general software best practices.

Code Correctness and Quality

A full review of the contract source code. The primary areas of focus include:

- Accuracy
- Readability
- Sections of code with high complexity
- Quantity and quality of test coverage

Issue Categories

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Every issue in this report was assigned a severity level from the following:

High level severity issues

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium level severity issues

Issues on this level could potentially bring problems and should eventually be fixed.

Low level severity issues

Issues on this level are minor details and warnings that can remain unfixed but would be better fixed at some point in the future.

Manual Audit:

For this section the code was tested/read line by line by our developers. We also used Remix IDE's JavaScript VM and Kovan networks to test the contract functionality.

Automated Audit:

Remix Compiler Warnings It throws warnings by Solidity's compiler. If it encounters any errors the contract cannot be compiled and deployed. No issues found.

Number of issues per severity

Critical	High	Medium	Low	Note
0	0	0	0	0

Issue Checking Status

No.	Issue Description	Checking Status
01	Compiler Warnings.	Passed
02	Race Conditions and Reentrancy, Cross-Function race Conditions.	Passed
03	Possible delays in data delivery.	Passed
04	Oracle calls.	Passed
05	Front running.	Passed
06	Timestamp dependence.	Passed
07	Integer Overflow and Underflow.	Passed
08	DoS with Revert.	Passed
09	DoS with block gas limit.	Passed
10	Method execution permissions.	Passed
11	Economy model.	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 in Declarations.	Passed
16	Uninitialized storage pointers.	Passed
17	Arithmetic accuracy.	Passed
18	Design Logic.	Passed
19	Cross-function race condition.	Passed
20	Safe Zeppelin module.	Passed
21	Fallback function security.	Passed

Owner privileges

3 - enableDisableAntibot

6 - renounceOwnership

8 - setAutoRebase

9 - setBlocklist

15 - setWhitelist

18 - transferOwnership

EAGLE SPY CONCLUSION

Owner cannot set fee

No mint function found

Owner cannot set max tx amount

Owner cannot pause trading

Owner can blacklist any address

Smart contracts do not contain any high severity issues!

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. The analysis of the contract does not give complete security and includes only the analysis that is indicated in the report. We do not analyze locked tokens or LP tokens, the presence of KYC in other companies, and so on. Also, our audit is not a recommendation for investment. All responsibility for the loss of investment lies

Website Audit

Address	https://oceans.finance
Domain registration	1 years
Domain	Clean
Web server	Clou
The server is located	DE
Server response time	0.40 sec
SSL certificate	Yes
JavaScript errors	Not Found
Typos, or grammatical errors	Not Found
Issues with loading elements, code, or stylesheets	Not Found Address
Malware	Not Found
Injected spam	Not Found
Intenal server errors	Not Found
Popups	Not Found
Blocking files	Not Found
Mobile Friendly	Yes
Compress CSS files	Optimized
Compress JS Files	Optimized
Image compression	Optimized
Visible Content	Optimized
Social Media/Contacts	Yes
Roadmap	Yes

Top Token Holders

Oceans Finance Token Holders

[Home](#) / [Oceans Finance](#) / [Token Holders Chart](#)

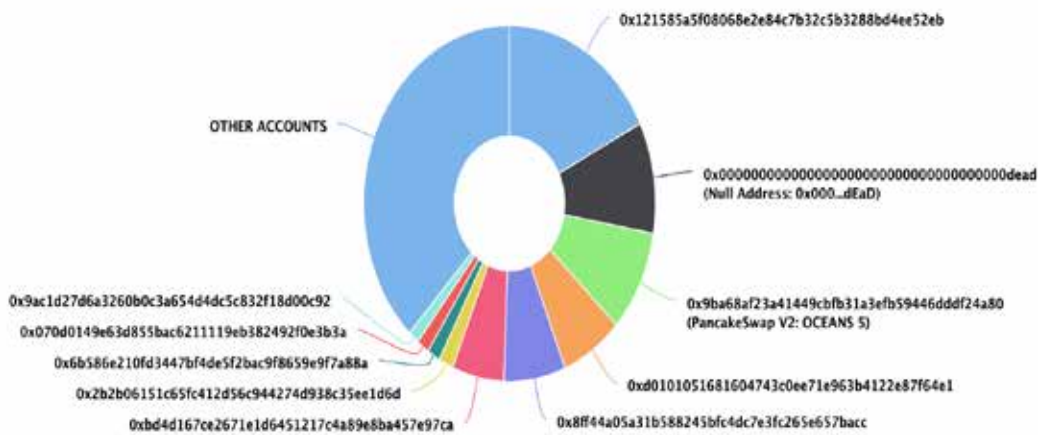
Range: **Top 10**

The top 10 holders collectively own 62.04% (835,691.93 Tokens) of Oceans Finance

Token Total Supply: 1,347,102.58 Token | Total Token Holders: 1,301

Oceans Finance Top 10 Token Holders

Source: BscScan.com



(A total of 835,691.93 tokens held by the top 10 accounts from the total supply of 1,347,102.58 token)

Rank	Address	Quantity (Token)	Percentage
1	0x121585a5f08068e2e84c7b32c5b3288bd4ee52eb	237,243.9072	17.6114%
2	Null Address: 0x000...dEaD	136,029.3484	10.0979%
3	PancakeSwap V2: OCEANS 5	124,605.88105	9.2499%
4	0xd0101051681604743c0ee71e963b4122e87f64e1	92,193.5197	6.8438%
5	0x8ff44a05a31b588245bfc4dc7e3fc265e657bacc	91,855.89405	6.8188%
6	0xbd4d167ce2671e1d6451217c4a89e8ba457e97ca	77,587.55281	5.7596%
7	0x2b2b06151c65fc412d56c944274d938c35ee1d6d	22,003.70903	1.6334%
8	0x6b586e210fd3447bf4de5f2bac9f8659e9f7a88a	19,298.12002	1.4326%
9	0x070d0149e63d855bac6211119eb382492f0e3b3a	18,563.48797	1.3780%
10	0x9ac1d27d6a3260b0c3a654d4dc5c832f18d00c92	16,310.51099	1.2108%

KYC/Doxx

At the time of the audit, there is no information about the conduct of KYC / Doxxing

THANK YOU!