HackSafe

Smart Contract Security Audit Report

Logistics

December 2022

Security Status

★ ★ ★ ★ ★

www.hacksafe.io

Audit Details

Audited project
Logistics

Deployer address
0xc464f8f093992d1e8c4bf0944d670024fc33da84

Client contacts
Logistics Team

Blockchain
Binance smart chain

Website
Not provided

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.

Procedure

Step 1 - In-Depth Manual Review

Manual line-by-line code reviews to ensure the logic behind each function is sound and safe from various attack vectors. This is the most important and lengthy portion of the audit process (as automated tools often cannot find the nuances that lead to exploits such as flash loan attacks).

Step 2 - Automated Testing

Simulation of a variety of interactions with your Smart Contract on a test blockchain leveraging a combination of automated test tools and manual testing to determine if any security vulnerabilities exist.

Step 3 – Leadership Review

The engineers assigned to the audit will schedule meetings with our leadership team to review the contracts, any comments or findings, and ask questions to further apply adversarial thinking to discuss less common attack vectors.

Step 4 - Resolution of Issues

Consulting with the team to provide our recommendations to ensure the code's security and optimize its gas efficiency, if possible. We assist project team's in resolving any outstanding issues or implementing our recommendations.

Step 5 - Published Audit Report

Boiling down results and findings into an easy-to-read report tailored to the project. Our audit reports highlight resolved issues and any risks that exist to the project or its users, along with any remaining suggested remediation measures. Diagrams are included at the end of each report to help users understand the interactions which occur within the project.

Background

HackSafe was commissioned by Logistics to perform an audit of smart contracts:

- https://bscscan.com/token/0xc0Ab27ad498d8CD1e7C05815632B157256631a71#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 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.

Contract Details

Token contract details for 23.12.2022

Token Type	: Utility
Contract name	: Logistics
Contract address	: 0xc0Ab27ad498d8CD1e7C05815632B157256631a71
Total supply	: 100,000,000,000
Token ticker	: LOG
Decimals	: 18
Token Holders	: 45
Transactions count	: 465
Compiler version	: v0.8.2+commit.661d1103
Contract deployer address	: 0xc464f8f093992d1e8c4bf0944d670024fc33da84
Owner address	: No owner

Audit Summary

According to the standard audit assessment, Customer`s solidity smart contracts are **“Well Secure”.** This token contract does not contain owner control, which do make it fully decentralized.

Insecure	Poor secured	Secure	Well-secured

You are here 

We used various tools like Slither, Mythril and Remix IDE. At the same time this finding is based on critical analysis of the manual audit. All issues found during automated analysis were manually reviewed and applicable vulnerabilities are presented in the issues checking status.

We found 0 critical, 0 high, 0 medium and 0 low.

Logistics Token Distribution

The top 100 holders collectively own 100.00% (100,000,000,000.00 Tokens) of Logistics

Token Total Supply: 100,000,000,000.00 Token | Total Token Holders: 45

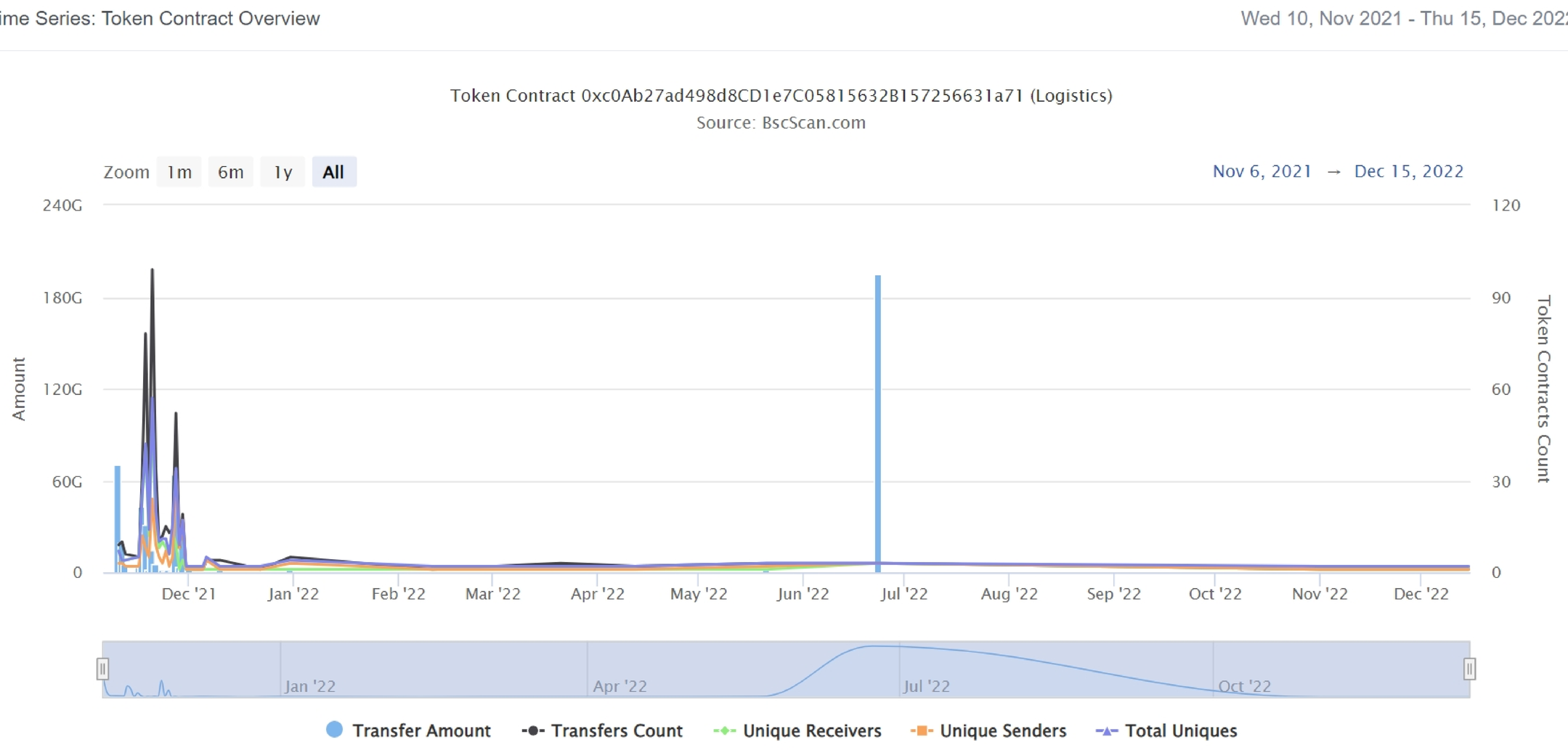
Logistics Top 20 Token Holders

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

Rank	Address	Quantity (Token)	Percentage
1	0xc464f8f093992d1e8c4bf0944d670024fc33da84	97,312,284,510.077784791503739184	97.3123%
2	PancakeSwap V2: LOG 12	874,707,642.81982517664537568	0.8747%
3	0xe63247681630098cfad07d2c36cd0326dfcd5ee5	426,572,756.420416313690158181	0.4266%
4	0x01859fef70137e93b8d64a954cf2a4ad9d81b4a8	213,286,378.21020815684507909	0.2133%
5	0x5a9fe7995971f31c5784b861b72d0dcc2bf0eee0	167,276,938.011758471142819443	0.1673%
6	0xf99dac51deee2f566e417f16ea0b3c4fe0412c9c	115,000,000	0.1150%
7	0x80f9d7f59e05f199bead7fc555857709baf580e9	100,000,010	0.1000%
8	0xc3743f77f17dbf4356db6881d0726f8a0442bee2	98,373,000.122	0.0984%
9	0x49a48e04426f73890a5767d73d5c98b1bb086752	87,849,303.454888818444988158	0.0878%
10	0x088390ab80349960f6e04a2aa18e55588b7144f2	86,552,851.861480459035241258	0.0866%
11	0xcd0aa1a7534ababdf083a89e9c5152b0dd99b9ed	78,472,785.069606714222060388	0.0785%
12	0x326f10316d091f763e3aa2261a1260a94e9c48c8	68,766,547.197702077257683292	0.0688%
13	0xea817c45eca4f2194335de732bb398b0b50228cb	45,696,299.999999996893069312	0.0457%
14	0x38bcc5026e99329f72e6e4b4992c5ca73303d29f	42,873,061.493065967155261475	0.0429%
15	0x480aa9389c57b045e70043929f97ed189a51cd09	32,758,827.637159698611499882	0.0328%
16	0x9794ff825c1a7fb0ad99687dbe0265df1c55c8e3	32,651,300	0.0327%
17	0x459b7b9a735f2c8e66e0f548f300c0d7826ce83c	23,864,731.214835274999379032	0.0239%
18	0x6d96254e563907d0b73a5cbaadeea761a20cd8cb	23,160,752.914806753609351062	0.0232%
19	0xff65c56274cb9ce64c8078de5e2b526715fd9d2e	17,369,819.527568103818955647	0.0174%
20	0x977f6ed3c3b536373ee13aac0989b55ac54ac8a7	17,340,126.055513707674535731	0.0173%

Logistics Token Distribution

Logistics Contract Overview



Contract functions details

+Logistics

-<constructor>

-[Pub] balanceOf

-[Pub] transfer #

-[Pub] transferFrom #

-[Pub] approve #

($) = payable function

= non-constant function

Issues Checking Status

No.	Title	Status
1.	Compiler error	Passed
2.	Missing Input Validation	Passed
3.	Race conditions and Reentrancy. Cross-function race conditions.	Passed
4.	Possible delays in data delivery	Passed
5.	Oracle calls.	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.	Private use data leaks.	Passed
13.	Malicious Event log.	Passed
14.	Scoping and Declarations.	Passed
15.	Uninitialized storage pointers.	Passed
16.	Arithmetic accuracy.	Passed
17.	Design Logic.	Passed
18.	Safe Open Zeppelin contracts implementation and usage.	Passed
19.	Incorrect Naming State Variable	Passed
20.	Too old version	Passed

Severity Definitions

Risk Level	Description
Critical	Critical vulnerabilities are usually straightforward to exploit and can lead to assets loss or data manipulations.
High	High-level vulnerabilities are difficult to exploit; however, they also have a significant impact on smart contract execution, e.g., public access to crucial functions
Medium	Medium-level vulnerabilities are important to fix; however, they can't lead to assets loss or data manipulations.
Low	Low-level vulnerabilities are mostly related to outdated, unused, etc. code snippets that can't have a significant impact on execution.

Security Issues

- **Critical Severity Issues**
  No critical severity issue found.
- **High Severity Issues**
  No high severity issue found.
- **Medium Severity Issues**
  No medium severity issue found.
- **Low Severity Issues**
  No low severity issue found.

Conclusion

Smart contract contains no low severity issues! The further transfer and operations with the fund raised are not related to this particular contract.

HackSafe 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.