HACKEN

SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT

Customer: NoLimitCoin
Date: March 26th, 2021

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Document

Name	Smart Contract Code Review and Security Analysis Report for NLC - Second Review
Approved by	Andrew Matiukhin | CTO Hacken OU
Type	Token
Platform	Ethereum / Solidity
Methods	Architecture Review, Functional Testing, Computer-Aided Verification, Manual Review
Deployed contract	https://bscscan.com/address/0x6519cb1f694ccbcc72417570b364f2d051eefb9d#code
Timeline	22 March 2021 - 23 March 2021
Changelog	23 March 2021 - INITIAL AUDIT 26 March 2021 - SECOND REVIEW 02 April 2021 - PRODUCTION CONTACT ADDED

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Introduction

Hacken OÜ (Consultant) was contracted by NoLimitCoin (Customer) to conduct a Smart Contract Code Review and Security Analysis. This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on March 18th, 2021.

Remediation check was done March 26, 2021.

Scope

The scope of the project is smart contracts deployed in the Binance smart chain network:

https://bscscan.com/address/0x6519cb1f694ccbcc72417570b364f2d051eefb9d#code

We have scanned this smart contract for commonly known and more specific vulnerabilities. Here are some of the commonly known vulnerabilities that are considered:

Category	Check Item
Code review	▪ Reentrancy ▪ Ownership Takeover ▪ Timestamp Dependence ▪ Gas Limit and Loops ▪ DoS with (Unexpected) Throw ▪ DoS with Block Gas Limit ▪ Transaction-Ordering Dependence ▪ Style guide violation ▪ Costly Loop ▪ ERC20 API violation ▪ Unchecked external call ▪ Unchecked math ▪ Unsafe type inference ▪ Implicit visibility level ▪ Deployment Consistency ▪ Repository Consistency ▪ Data Consistency
Functional review	▪ Business Logics Review ▪ Functionality Checks ▪ Access Control & Authorization ▪ Escrow manipulation ▪ Token Supply manipulation ▪ Asset's integrity ▪ User Balances manipulation ▪ Kill-Switch Mechanism ▪ Operation Trails & Event Generation

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Executive Summary

According to the assessment, the Customer's smart contract is Well-secured.

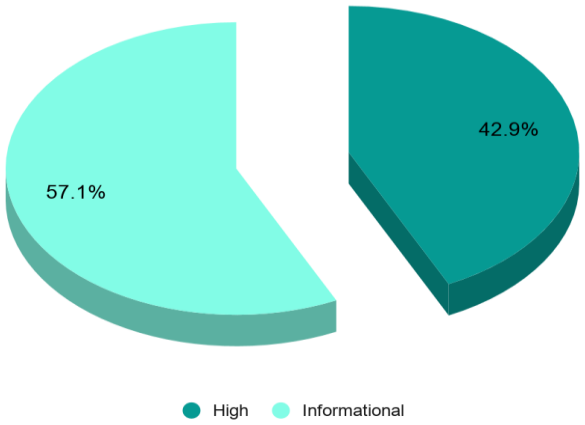
Insecure	Poor secured	Secured	Well-secured

You are here

Our team performed an analysis of code functionality, manual audit, and automated checks with Mythril and Slither. All issues found during automated analysis were manually reviewed, and important vulnerabilities are presented in the Audit overview section. A general overview is presented in AS-IS section, and all found issues can be found in the Audit overview section.

Security engineers found 3 high and 4 informational issues during the first review.

Graph 1. The distribution of vulnerabilities after the first review.



Note: Security engineers found no issues during the second review.

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Conclusion

Smart contracts within the scope were manually reviewed and analyzed with static analysis tools. For the contract, high-level description of functionality was presented in As-Is overview section of the report.

Audit report contains all found security vulnerabilities and other issues in the reviewed code.

Security engineers found no issues during the audit.