



TechRate
AUDIT COMPANY

Smart Contract Security Audit

TechRate

June, 2021

Audit Details



Audited project

THEOSCOIN



Deployer address

0x3C56FD8d2F225D627BFcE1FA5A20355458A240fb



Client contacts:

THEOSCOIN team



Blockchain

Binance Smart Chain



Project website:

<http://theos.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.

Background

TechRate was commissioned by THEOSCOIN to perform an audit of smart contracts:

<https://bscscan.com/address/0x6c5ff116bffc50ff59d0334d5643e15b71c6414a#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 07.06.2021

Contract name	THEOSCOIN
Contract address	0x6C5FF116bFFc50Ff59d0334d5643e15b71C6414A
Total supply	10,000,000,000
Token ticker	THS
Decimals	18
Token holders	38
Transactions count	43
Top 100 holders dominance	100.00%
Contract deployer address	0x3C56FD8d2F225D627BFcE1FA5A20355458A240fb

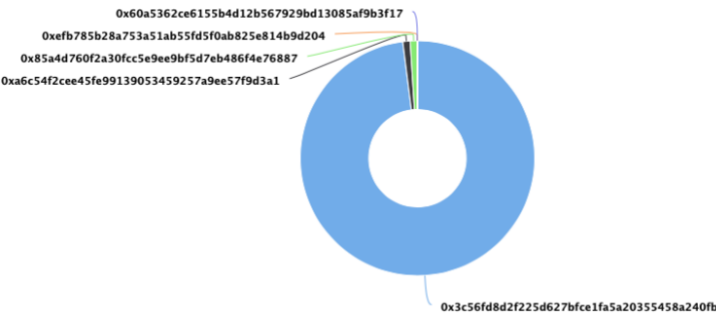
THEOSCOIN Token Distribution

The top 100 holders collectively own 100.00% (10,000,000,000.00 Tokens) of THEOSCOIN

Token Total Supply: 10,000,000,000.00 Token | Total Token Holders: 38

THEOSCOIN Top 100 Token Holders

Source: BscScan.com



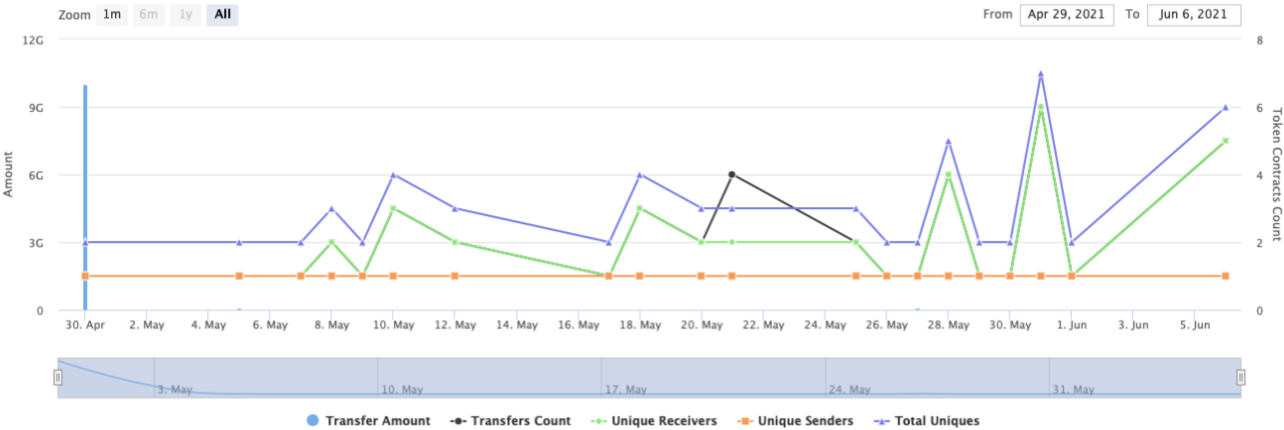
(A total of 10,000,000,000.00 tokens held by the top 100 accounts from the total supply of 10,000,000,000.00 token)

THEOSCOIN Contract Interaction Details

Time Series: Token Contract Overview

Fri 30, Apr 2021 - Sun 6, Jun 2021

Token Contract 0x6c5ff116bffc50ff59d0334d5643e15b71c6414a (THEOSCOIN)
Source: BscScan.com



THEOSCOIN Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0x3c56fd8d2f225d627bfce1fa5a20355458a240fb	9,800,000,000	98.0000%
2	0xa6c54f2cee45fe99139053459257a9ee57f9d3a1	100,000,000	1.0000%
3	0x85a4d760f2a30fcc5e9ee9bf5d7eb486f4e76887	95,427,977	0.9543%
4	0xefb785b28a753a51ab55fd5f0ab825e814b9d204	1,300,000	0.0130%
5	0x60a5362ce6155b4d12b567929bd13085af9b3f17	900,000	0.0090%
6	0xae71deee312d3f2d7f42e28976ab8b4e4a47c07f	800,000	0.0080%
7	0x3bff4c0b5c4d2ae716adb71cb7e52f8520146583	600,000	0.0060%
8	0x0062eb27dc7d62cf577d20314a86e5d94d5cf680	400,000	0.0040%
9	0xc5a6ea947ec55b5b9308750f2cd91f3c8e648e20	120,000	0.0012%
10	0x23cd51f04a568cb19b8de0165cdb979198169f3c	100,000	0.0010%

THEOSCOIN functions details

- + SafeMath
 - [Pub] safeAdd
 - [Pub] safeSub
 - [Pub] safeMul
 - [Pub] safeDiv
 - + ERC20Interface
 - [Pub] totalSupply
 - [Pub] balanceOf
 - [Pub] allowance
 - [Pub] transfer #
 - [Pub] approve #
 - [Pub] transferFrom #
 - + ApproveAndCallFallBack
 - [Pub] receiveApproval #
 - + THSToken (ERC20Interface, SafeMath)
 - [Pub] <Constructor> #
 - [Pub] totalSupply
 - [Pub] balanceOf
 - [Pub] transfer #
 - [Pub] approve #
 - [Pub] transferFrom #
 - [Pub] allowance
 - [Pub] approveAndCall #
 - [Pub] <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.

Conclusion

Smart contracts do not contain high severity issues.

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.



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