MOTECH AUDIT

SMART CONTRACT SECURITY AUDIT

SECURITY ASSESSMENT

SHKOOBIINU TOKEN AUDIT REPORT

2021

24 NOV 2021

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SECURITY ASSESMENT
SUMMARY

This report has been prepared for Shkoobiinu to discover issues and vulnerabilities in the source code of the Shkoobiinu project as well as any contract dependencies that were not part of an officially recognized library. A comprehensive examination has been performed, utilizing Static Analysis, Manual Review, and Testnet Deployment techniques.

The auditing process pays special attention to the following considerations:

- Testing the smart contracts against both common and uncommon attack vectors.
- Assessing the codebase to ensure compliance with current best practices and industry standards.
- Ensuring contract logic meets the specifications and intentions of the client.
- Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- Thorough line-by-line manual review of the entire codebase by industry experts.

The security assessment resulted in findings that ranged from critical to informational. We recommend addressing these findings to ensure a high level of security standards and industry practices. We suggest recommendations that could better serve the project from the security perspective:

- Enhance general coding practices for better structures of source codes;
- Add enough unit tests to cover the possible use cases given they are currently missing in the repository;
- Provide more comments per each function for readability, especially contracts are verified in public;
- Provide more transparency on privileged activities once the protocol is live.

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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.

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MotechAudit was commissioned by Shkoobiinu to perform an audit of smart contracts:
https://etherscan.io/address/0x29a5c1db7321c5c9eae57f9366ee8eef00ca11fb
The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
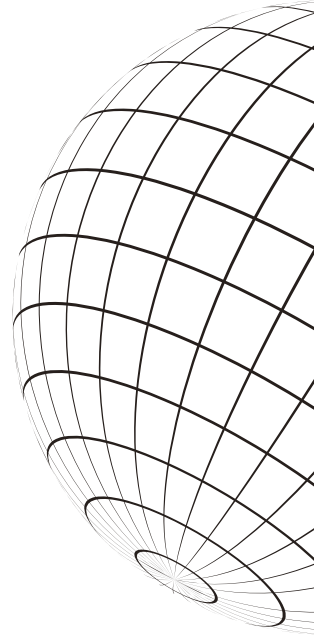- Identify potential security issues with the smart contract.

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.

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AUDIT DETAILS

AUDITED PROJECT

SHKOOBIINU

DEPLOYER ADDRESS

0xFc59597342be6659873842bF53191404b3a033B5

CLIENT CONTACTS:

MetaWars Team
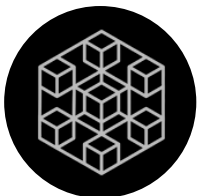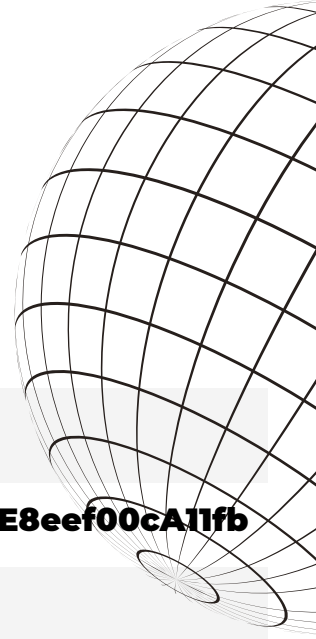
BLOCKCHAIN

Ethereum Project

WEBSITE:

https://shkoobyinu.com

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SMART CONTRACT SECURITY AUDIT

CONTRACT DETAILS

Token contract details for Nov-02-2021

Contract name	**SHKOOBIINU**
Contract address	**0x29A5c1Db7321C5c9EaE57F9366eE8eef00cA11fb**
Total supply	**1,000,000,000,000,000 SHKOOBY**
Token ticker	**SHKOOBY INU (SHKOOBY)**
Decimals	**18**
Token holders	**3,318**
Transactions count	**12,165**
Top 100 holders dominance	**83.4948%**
Contract deployer address	**0xFc59597342be6659873842bF53191404b3a033B5**
Contract's current owner address	**0xFc59597342be6659873842bF53191404b3a033B5**

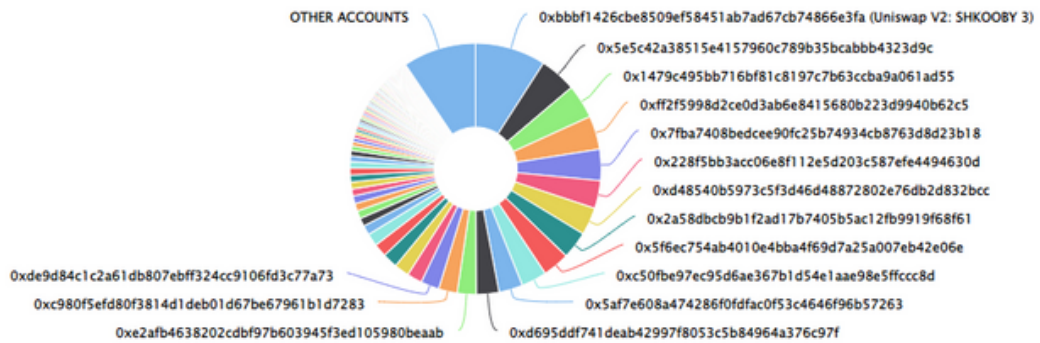MOTECH AUDIT
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SHKOOBIINU TOKEN DISTRIBUTION

💡 The top 100 holders collectively own 90.56% (905,642,763,461,929.00 Tokens) of SHKOOBY INU | 💡 Token Total Supply: 1,000,000,000,000,000.00 Token | Total Token Holders: 3,318

SHKOOBY INU Top 100 Token Holders
Source: Etherscan.io

OTHER ACCOUNTS

0xbbbf1426cbe8509ef58451ab7ad67cb74866e3fa (Uniswap V2: SHKOOBY 3)
0x5e5c42a38515e4157960c789b35bcabbb4323d9c
0x1479c495bb716bf81c8197c7b63ccba9a061ad55
0xff2f5998d2ce0d3ab6e8415680b223d9940b62c5
0x7fba7408bedcee90fc25b74934cb8763d8d23b18
0x228f5bb3acc06e8f112e5d203c587efe4494630d
0xd48540b5973c5f3d46d48872802e76db2d832bcc
0x2a58dbcb9b1f2ad17b7405b5ac12fb9919f68f61
0x5f6ec754ab4010e4bba4f69d7a25a007eb42e06e
0xde9d84c1c2a61db807ebff324cc9106fd3c77a73
0xc50fbe97ec95d6ae367b1d54e1aae98e5ffccc8d
0xc980f5efd80f3814d1deb01d67be67961b1d7283
0x5af7e608a474286f0fdfac0f53c4646f96b57263
0xe2afb4638202cdbf97b603945f3ed105980beaab
0xd695ddf741deab42997f8053c5b84964a376c97f

(A total of 905,642,763,461,929.00 tokens held by the top 100 accounts from the total supply of 1,000,000,000,000,000.00 token)

SHKOOBIINU TOKEN CONTRACT INTERACTION DETAILS

Time Series: Token Contract Overview

Tue 2, Nov 2021 - Tue 23, Nov 2021

Token Contract 0x29a5c1db7321c5c9eae57f9366ee8eef00ca11fb (SHKOOBY INU)
Source: Etherscan.io

Zoom 1m 6m 1y **All**   From Nov 1, 2021 To Nov 23, 2021

● Transfer Amount ● Transfers Count ● Unique Receivers ■ Unique Senders ▲ Total Uniques
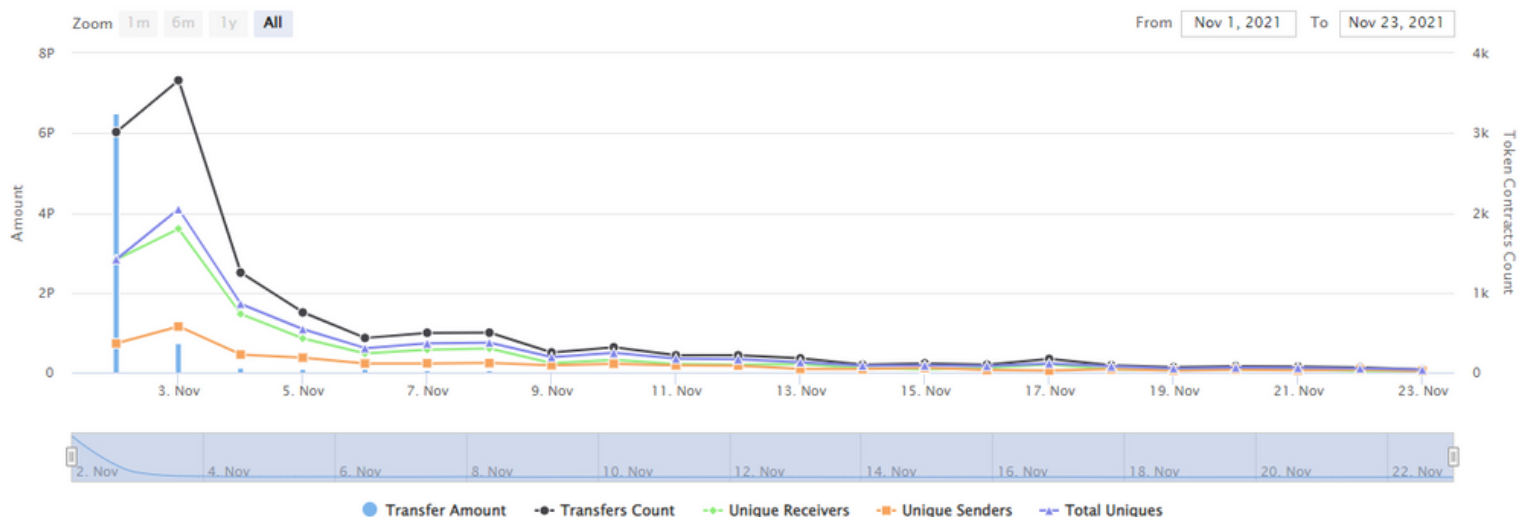
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TOP 10 TOKEN HOLDERS

Rank	Address	Quantity	Percentage	Value	Analytics
1	🗎 Uniswap V2: SHKOOBY 3	91,439,059,668,399.645052715082395324	9.1439%	$2,943,697.65	〽
2	0x5e5c42a38515e4157960c789b35bcabbb4323d9c	47,046,254,309,570.856371528927914917	4.7046%	$1,514,560.06	〽
3	0x1479c495bb716bf81c8197c7b63ccba9a061ad55	43,742,527,151,772	4.3743%	$1,408,203.18	〽
4	0xff2f5998d2ce0d3ab6e8415680b223d9940b62c5	43,176,271,617,126	4.3176%	$1,389,973.71	〽
5	0x7fba7408bedcee90fc25b74934cb8763d8d23b18	40,117,889,662,150.785367579684487248	4.0118%	$1,291,515.22	〽
6	0x228f5bb3acc06e8f112e5d203c587efe4494630d	36,020,385,933,130.321946013934109119	3.6020%	$1,159,604.28	〽
7	0xd48540b5973c5f3d46d48872802e76db2d832bcc	35,472,833,628,236	3.5473%	$1,141,976.93	〽
8	0x2a58dbcb9b1f2ad17b7405b5ac12fb9919f68f61	35,267,253,431,123	3.5267%	$1,135,358.69	〽
9	0x5f6ec754ab4010e4bba4f69d7a25a007eb42e06e	34,523,296,930,720.132759749151321591	3.4523%	$1,111,408.50	〽
10	0xc50fbe97ec95d6ae367b1d54e1aae98e5ffccc8d	32,875,073,109,382.59765625	3.2875%	$1,058,347.23	〽

source:https://etherscan.io/

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SECURITY ISSUES

✓ High Severity Issues

No high severity issues found.

✓ Medium Severity Issues

No high severity issues found.
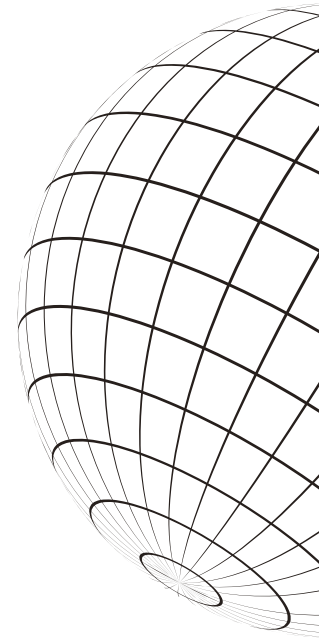
Low Severity Issues

A public function that could be declared external

public functions that are never called by the contract should be declared external to save gas.
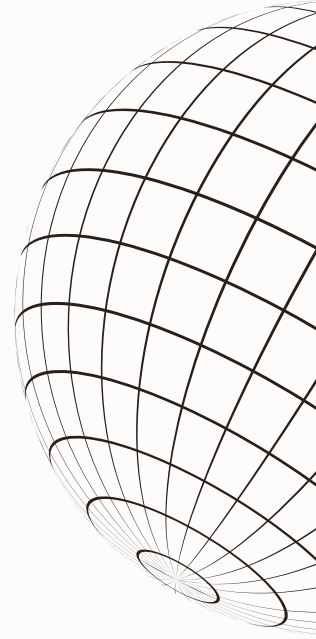
Contracts: MetacryptHelper.sol

Function: createdByMetacrypt, getIdentifier

Recommendation: Use the **external** attribute for functions never called from the contract.
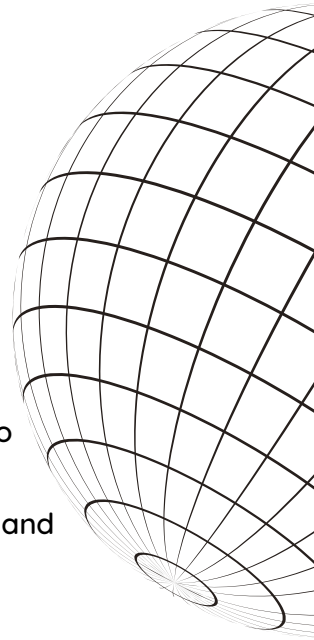
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Smart contracts contain owner privileges!

Motech Audit 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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