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AUDIT COMPANY

Smart Contract Security Audit

TechRate

June, 2021

Audit Details

Audited project

Dogey-Inu

Deployer address

0xAB1e8d5deb9Ed1398D7e0A192492406a803fA5E2

Client contacts:

Dogey-Inu team

Blockchain

Ethereum

Project website:

dogeyinu.com

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 Dogey-Inu to perform an audit of smart contracts:
https://etherscan.io/address/0xbb1ee07d6c7baeb702949904080eb61f5d5e7732#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 12.06.2021

Contract name	Dogey-Inu
Contract address	0xbb1EE07d6c7BAeB702949904080eb61f5D5e7732
Total supply	1,000,000,000,000,000
Token ticker	DINU
Decimals	18
Token holders	3,164
Transactions count	9,692
Top 100 holders dominance	93.13%

Dogey-Inu Token Distribution

The top 100 holders collectively own 93.13% (931,308,630,301,473.00 Tokens) of Dogey-Inu

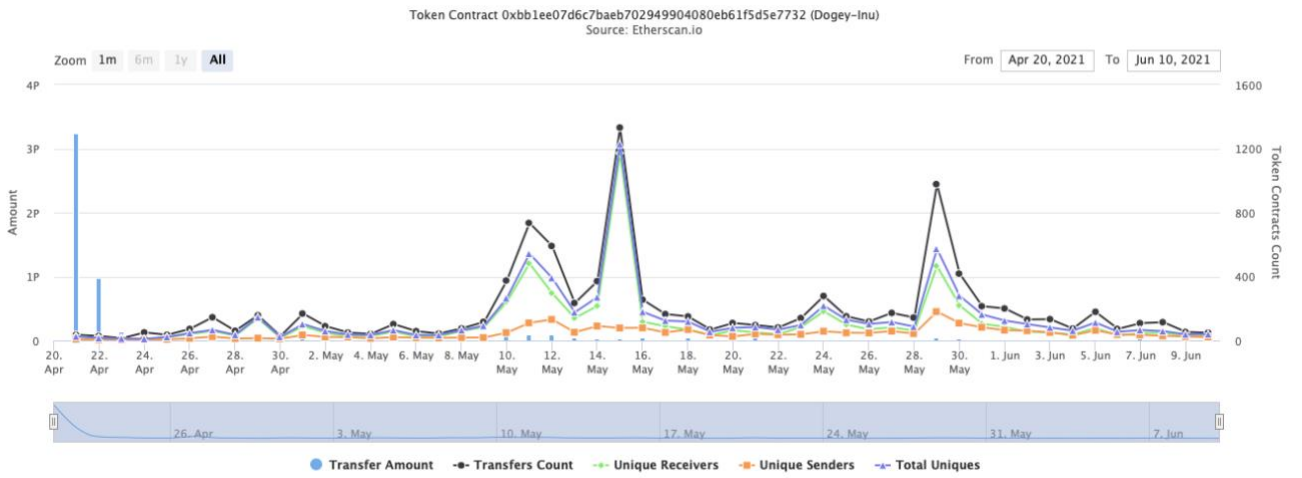
Token Total Supply: 1,000,000,000,000,000.00 Token | Total Token Holders: 3,164

(A total of 931,308,630,301,473.00 tokens held by the top 100 accounts from the total supply of 1,000,000,000,000,000.00 token)

Dogey-Inu Contract Interaction Details

Time Series: Token Contract Overview

Wed 21, Apr 2021 - Thu 10, Jun 2021



Dogey-Inu Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	Vb	593,320,775,257,817.386291205811208192	59.3321%
2	0x0941ae5a513cc77c99df2b8f9f35281003d49510	39,243,000,000,000	3.9243%
3	0xa40eef1981bd16126a5ae0fea3847b769bc5da9e	33,751,763,213,837.586031333916077319	3.3752%
4	0xc3fca2b53d092272415a5f5ca2645a96a19d4c18	27,000,000,000,000.000008292385473467	2.7000%
5	0x8fecc0866bbec0fb083f57d515b1f4c37684edca	24,652,615,251,553.679287132262894472	2.4653%
6	0xc871a56551790f9de162de84dfec77f0fc79db14	23,097,562,846,314.089768112464306955	2.3098%
7	0x6262201f1393c2863b372dd68f6256790184ce42	20,390,602,835,025.797350160473606317	2.0391%
8	0x929ca98644eb8fad27fd8329caa66f895f6b907e	19,190,705,649,887.921355907185526567	1.9191%
9	Uniswap V3: DINU	18,901,423,198,378.405347529897669655	1.8901%
10	0x30dd12344ce6bb4596c37f68b507028fabfe2e0f	8,129,134,018,216.429225647962301091	0.8129%

Contract functions details

+ Context
  - [Int] _msgSender
  - [Int] _msgData

+ [Int] IERC20
  - [Ext] totalSupply
  - [Ext] balanceOf
  - [Ext] transfer #
  - [Ext] allowance
  - [Ext] approve #
  - [Ext] transferFrom #

+ [Lib] SafeMath
  - [Int] add
  - [Int] sub
  - [Int] sub
  - [Int] mul
  - [Int] div
  - [Int] div
  - [Int] mod
  - [Int] mod

+ [Lib] Address
  - [Int] isContract
  - [Int] sendValue #
  - [Int] functionCall #
  - [Int] functionCall #
  - [Int] functionCallWithValue #
  - [Int] functionCallWithValue #
  - [Prv] _functionCallWithValue #

+ ERC20 (Context, IERC20)
  - [Pub] <Constructor> #
  - [Pub] name
  - [Pub] symbol
  - [Pub] decimals
  - [Pub] totalSupply
  - [Pub] balanceOf
  - [Pub] transfer #
  - [Pub] allowance
  - [Pub] approve #
  - [Pub] transferFrom #
  - [Pub] increaseAllowance #
  - [Pub] decreaseAllowance #
  - [Int] _transfer #
  - [Int] _mint #
  - [Int] _burn #
  - [Int] _approve #
  - [Int] _setupDecimals #
  - [Int] _beforeTokenTransfer #

+ Ownable (Context)
  - [Pub] <Constructor> #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner

+ TokenRecover (Ownable)
  - [Pub] recoverERC20 #
    - modifiers: onlyOwner

+ ServiceReceiver (TokenRecover)
  - [Pub] pay ($)
  - [Pub] getPrice
  - [Pub] setPrice #
    - modifiers: onlyOwner
  - [Pub] withdraw #
    - modifiers: onlyOwner
  - [Prv] _toBytes32

+ ServicePayer
  - [Pub] <Constructor> ($)

+ GeneratorCopyright
  - [Pub] generator
  - [Pub] version

+ SimpleERC20 (ERC20, ServicePayer, GeneratorCopyright)
  - [Pub] <Constructor> ($)
    - modifiers: ERC20,ServicePayer

($) = 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.