RugFreeCoins Audit

Meta Doge Inu Token
Smart Contract Security Audit

June 13th ,2023

Contents

Audit details

Audited project

Meta Doge Inu Token

Contract Address

0x59E6F218a831A75223ffcfe39B2f2c7B9c9e3539

Client contact

Meta Doge Inu Token Team

Blockchain

Binance smart chain

Project website

https://metadogeinu.vip/

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 disclaimer below – please make sure to read it in full.

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Overview

✅ No mint function found, the owner cannot mint tokens after initial deployment.

✅ The owner can't set a max transaction limit

✅ The owner can't enable or pause trading.

✅ The owner can't change fees.

✅ The owner can't blacklist wallets.

✅ The owner can't set a max wallet limit

✅ The owner can't claim the contract's balance of its own token.

Background

Rugfreecoins was commissioned by the Meta Doge Inu Token Team to perform an audit of the smart contract.

https://bscscan.com/token/0x59E6F218a831A75223ffcfe39B2f2c7B9c9e3539

This audit focuses on verifying that the smart contract is secure, resilient, and working according to the specifications.

The information in this report should be used to understand the risk exposure of the smart contract, project feasibility, and long-term sustainability, and as a guide to improving the smart contract's security posture by remediating the identified issues.

Tokenomics

5

0% tax when buying & selling

Target market and the concept

Target market

- Anyone who's interested in the Crypto space with long-term investment plans.
- Anyone who's ready to earn a passive income by holding tokens.
- Anyone who's interested in trading tokens.
- Anyone who's interested in taking part in the Meta Doge Inu token ecosystem.
- Anyone who's interested in taking part in the future plans of Meta Doge Inu Token.
- Anyone who's interested in making financial transactions with any other party using Meta Doge Inu Token as the currency.

Contract details

Token contract details for 13th of June 2023

Contract name	MetaDogeInu
Contract address	0x59E6F218a831A75223ffcfe39B2f2c7B9c9e3539
Token supply	10,000,000,000
Token ticker	MDI
Decimals	18
Token holders	1
Transaction count	1
Contract deployer address	0xeaCc2355C2E1e01F313fEBE74f8f1355978C6EB8
Contract's current owner address	0xeacc2355c2e1e01f313febe74f8f1355978c6eb8

Contract code function details

No	Category	Item	Result
1	Coding conventions	BRC20 Token standards	pass
		compile errors	pass
		Compiler version security	pass
		visibility specifiers	pass
		Gas consumption	pass
		SafeMath features	pass
		Fallback usage	pass
		tx.origin usage	pass
		deprecated items	pass
		Redundant code	pass
		Overriding variables	pass
2	Function call audit	Authorization of function call	pass
		Low level function (call/delegate call) security	pass
		Returned value security	pass
		Selfdestruct function security	pass
3	Business security & centralization	Access control of owners	
		Business logics	pass
		Business implementations	pass
4	Integer overflow/underflow		pass
5	Reentrancy		pass
6	Exceptional reachable state		pass
7	Transaction ordering dependence		pass
8	Block properties dependence		pass
9	Pseudo random number generator (PRNG)		pass
10	DoS (Denial of Service)		pass
11	Token vesting implementation		pass
12	Fake deposit		pass

13	Event security		pass

Contract description table

The below table represents the summary of the contracts and methods in the token contract. We scanned the whole contract and listed down all the Interfaces, functions, and implementations with their visibility and mutability.

Contract	Type	Bases		
L	Function Name	Visibility	Mutability	Modifiers
Context	**Implementation**			
L	_msgSender	Internal 🔒		
L	_msgData	Internal 🔒		
Ownable	**Implementation**	**Context**		
L		Public ❗	🔴	NO ❗
L	owner	Public ❗		NO ❗
L	_checkOwner	Internal 🔒		
L	renounceOwnership	Public ❗	🔴	onlyOwner
L	transferOwnership	Public ❗	🔴	onlyOwner
L	_transferOwnership	Internal 🔒	🔴	
IERC20	**Interface**			
L	totalSupply	External ❗		NO ❗
L	balanceOf	External ❗		NO ❗
L	transfer	External ❗	🔴	NO ❗

└	allowance	External !		NO !
└	approve	External !	🛑	NO !
└	transferFrom	External !	🛑	NO !
IERC20Metadata	**Interface**	**IERC20**		
└	name	External !		NO !
└	symbol	External !		NO !
└	decimals	External !		NO !
ERC20	**Implementation**	**Context, IERC20, IERC20Metadata**		
└		Public !	🛑	NO !
└	name	Public !		NO !
└	symbol	Public !		NO !
└	decimals	Public !		NO !
└	totalSupply	Public !		NO !
└	balanceOf	Public !		NO !
└	transfer	Public !	🛑	NO !
└	allowance	Public !		NO !
└	approve	Public !	🛑	NO !
└	transferFrom	Public !	🛑	NO !
└	increaseAllowance	Public !	🛑	NO !

11

L	decreaseAllowance	Public ❗	🛑	NO ❗
L	_transfer	Internal 🔒	🛑	
L	_mint	Internal 🔒	🛑	
L	_burn	Internal 🔒	🛑	
L	_approve	Internal 🔒	🛑	
L	_spendAllowance	Internal 🔒	🛑	
L	_beforeTokenTransfer	Internal 🔒	🛑	
L	_afterTokenTransfer	Internal 🔒	🛑	
MetaDogeInu	**Implementation**	**ERC20, Ownable**		
L		Public ❗	🛑	ERC20

Legend

Symbol	Meaning
🛑	Function can modify state
💵	Function is payable

12

Inheritance Hierarchy
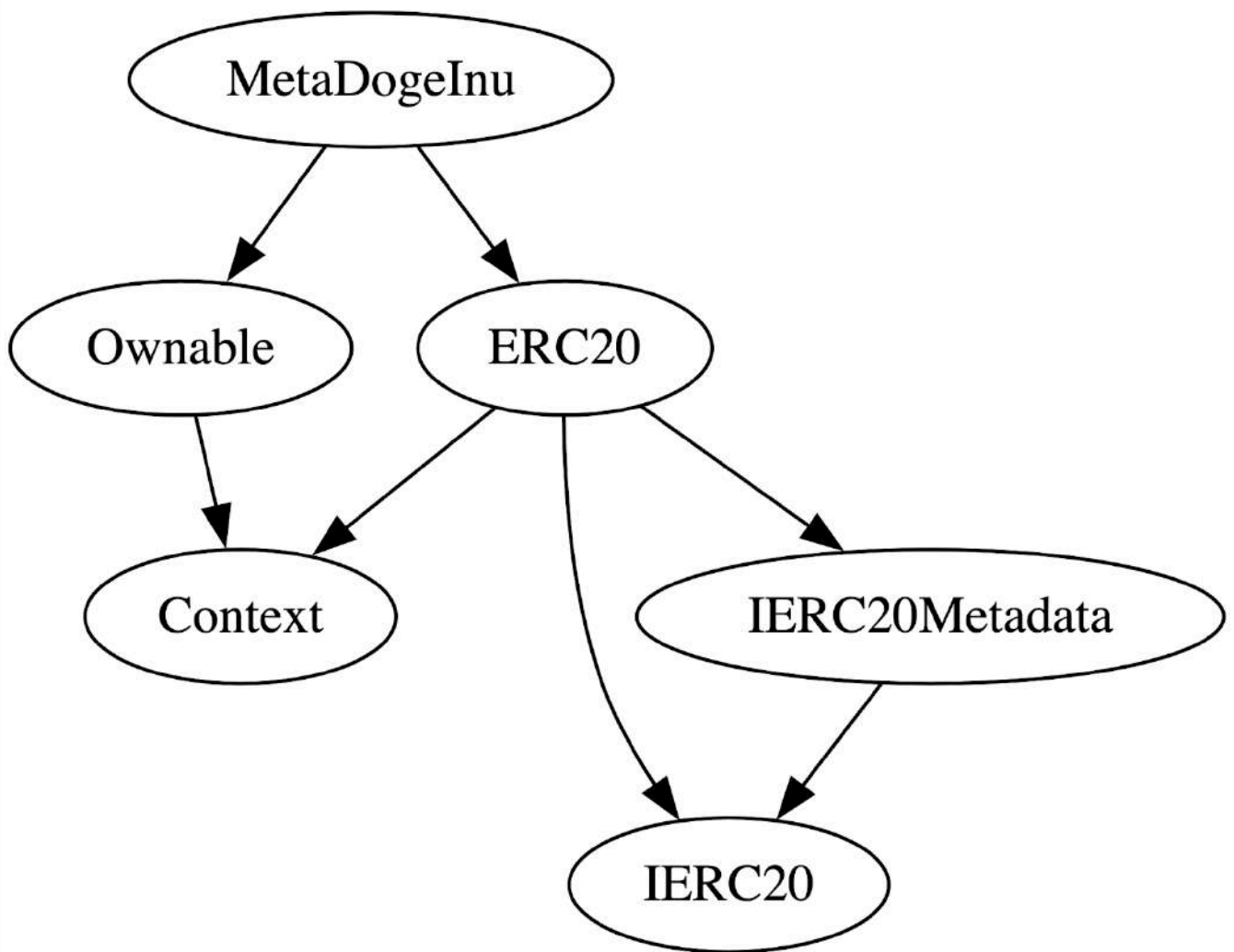
Security issue checking status

❖ **High severity issues**
No high severity issues found

❖ **Medium severity issues**
No medium severity issues found

❖ **Low severity issues**
No low severity issues found

❖ **Centralization Risk**
No centralization issues found

Owner privileges

No Ownership functions found

Audit conclusion

RugFreeCoins team has performed in-depth testings, line-by-line manual code review, and automated audit of the smart contract. The smart contract was analyzed mainly for common smart contract vulnerabilities, exploits, manipulations, and hacks. According to the smart contract audit.

Smart contract functional Status: **PASS**

Number of risk issues: **0**

Solidity code functional issue level: **PASS**

Number of owner privileges: **0**

Centralization risk correlated to the active owner: **NONE**

Smart contract active ownership: **ACTIVE**