TECH RATE

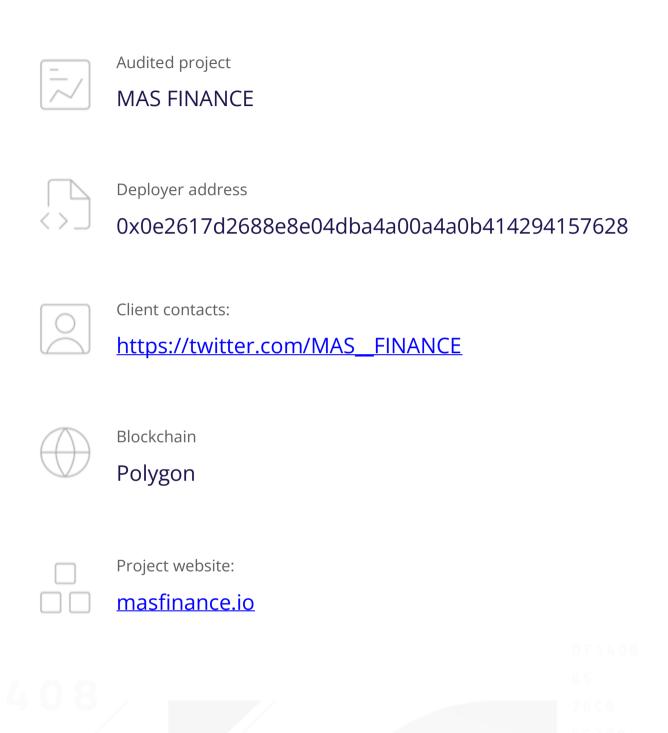
SMART CONTRACTS SECURITY **AUDIT REPORT**







Audit Details





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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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 MAS FINANCE to perform an audit of smart contracts:

https://polygonscan.com/address/0xd57e36df3e3180ccdabfafacedf3dfaa08390fe9#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 20.08.2022

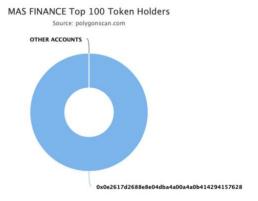
Contract name	MAS FINANCE		
Contract address	0xd57e36df3e3180ccdabfafacedf3dfaa08390fe9		
Total supply	100,000		
Token ticker	MAS		
Decimals	18		
Token holders	1		
Transactions count	1		
Top 100 holders dominance	100.00%		
Contract deployer address	0x0e2617d2688e8e04dba4a00a4a0b414294157628		
Owner address	0x0e2617d2688e8e04dba4a00a4a0b414294157628		



MAS FINANCE Token Distribution

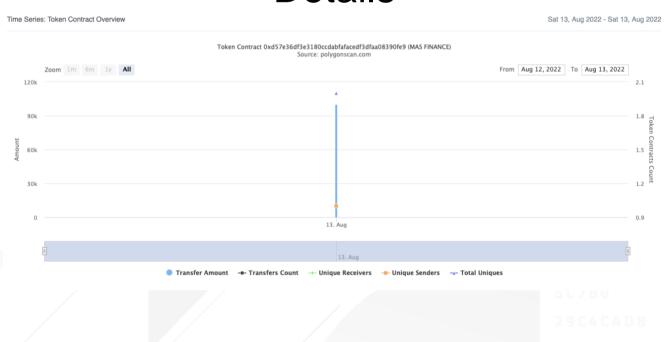


▼ Token Total Supply: 100,000.00 Token | Total Token Holders: 1



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

MAS FINANCE Contract Interaction Details





MAS FINANCE Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0x0e2617d2688e8e04dba4a00a4a0b414294157628	100,000	100.0000%

65 76C6 5C780 29C4CAD8 C4 87C9C DF 31B2A384

Contract functions details

+ [Int] IBEP20

- [Ext] totalSupply
- [Ext] decimals
- [Ext] symbol
- [Ext] name
- [Ext] getOwner
- [Ext] balanceOf
- [Ext] transfer #
- [Ext] allowance
- [Ext] approve #
- [Ext] transferFrom #

+ Context

- [Int] <Constructor> #
- [Int] _msgSender
- [Int] _msgData

+ [Lib] SafeMath

- [Int] add
- [Int] sub
- [Int] sub
- [Int] mul
- [Int] div
- [Int] div
- [Int] mod
- [Int] mod

+ Ownable (Context)

- [Int] <Constructor> #
- [Pub] owner
- [Pub] renounceOwnership #
- modifiers: onlyOwner
- [Pub] transferOwnership #
 - modifiers: onlyOwner
- [Int] _transferOwnership #

+ MASFINANCE (Context, IBEP20, Ownable)

- [Pub] <Constructor> #
- [Ext] getOwner
- [Ext] decimals
- [Ext] symbol

- [Ext] name
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer #
- [Ext] allowance
- [Ext] approve #
- [Ext] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Pub] mint #
 - modifiers: onlyOwner
- [Int] _transfer #
- [Int] _mint #
- [Int] _burn #
- [Int] _approve #
- [Int] _burnFrom #
- (\$) = payable function # = non-constant function

1408

TECH RATE DF1408
65
76C6
5C780
29C4CAD8
C4
87C9C

5

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 1780
20.	Safe Open Zeppelin contracts implementation and usage.	Passed
21.	Fallback function security.	Passed

Security Issues

No high severity issues found.

No medium severity issues found.

No low severity issues found.

Owner privileges (In the period when the owner is not renounced)

• Owner can mint.

Testnet deployment

Contracts Description Table

Contract	Type	Bases		
L	Function Name	Visibility	Mutability	Modifiers
MASFINANCE	Implementation	Context, IBEP20, Ownable		
L	transfer	External J		NO
L	<u>approve</u>	External .		NO
L	<u>transferFrom</u>	External !		NO
L	<u>increaseAllowance</u>	Public !		NO
L	<u>decreaseAllowance</u>	Public .		NO
L	<u>mint</u>	Public .		onlyOwner

Legend

Symbol Meaning

Function can modify state

\$1

Function is payable

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope. The further transfers and operations with the funds raise are not related to this particular contract.

Liquidity locking details are NOT provided by the team.

Security score: 95.

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.