

Smart Contract Audit

FOR

Bank Of Metaverse Al

DATED: 25 FEB 23'



AUDIT SUMMARY

Project name - Bank Of Metaverse Al

Date: 25 February, 2023

Scope of Audit- Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

Audit Status: Passed

Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	0	0	0
Acknowledged	0	0	0	0	0
Resolved	0	0	0	0	0



USED TOOLS

Tools:

- 1.Manual Review: The code has undergone a lineby-line review by the Audit Ace team.
- 2.BSC Test Network: All tests were conducted on the BSC Test network, and each test has a corresponding transaction attached to it. These tests can be found in the "Functional Tests" section of the report.
- 3.Slither: The code has undergone static analysis using Slither.

Testnet version:

The tests were performed using the contract deployed on the BSC Testnet, which can be found at the following address:

https://testnet.bscscan.com/token/0x670A0bdA4 9fC1B1DeDce53aCABE9daD3E64cc86b



Token Information

Token Name: METAI

Token Symbol: METAI

Decimals: 8

Token Supply: 60,000,000

Token Address:

0x23F4691E3C8eF24bfd4281C8Db94e749624c76a2

Checksum:

adeaf35f858118ef35b1dc566ee56096f8c938d8

Owner:

0xD82FA46364C5b9bC57F10e9c92C626A3469D0aF6



TOKEN OVERVIEW

Fees:

Buy Fees: 0%

Sell Fees: 0%

Transfer Fees: 0%

Fees Privilige: none

Ownership: Owned

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: No

Blacklist: No

Other Priviliges: None



AUDIT METHODOLOGY

The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
- Manual review of the entire codebase by our experts, which is the process of reading source code line-byline in an attempt to identify potential vulnerabilities.
- Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
- Test coverage analysis determines whether the test cases are covering the code and how much code isexercised when we run the test cases.
- Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
- Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.



VULNERABILITY CHECKLIST





CLASSIFICATION OF RISK

Severity

- Critical
- High-Risk
- Medium-Risk
- Low-Risk
- Gas Optimization/Suggestion

Description

These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.

A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.

A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.

A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.

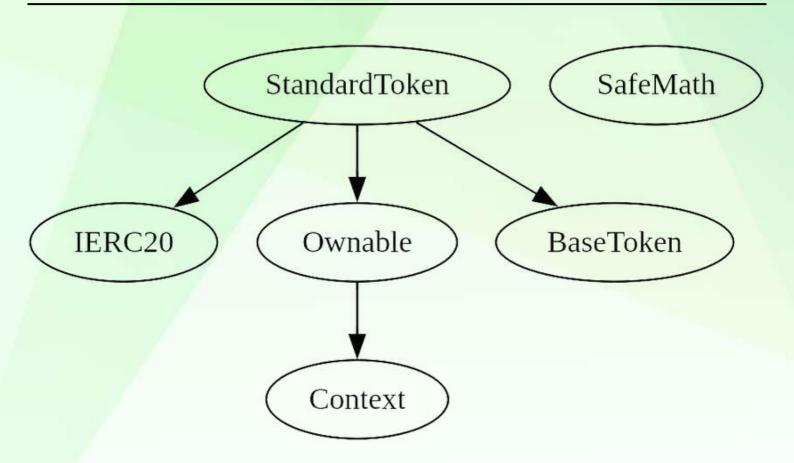
A vulnerability that has an informational character but is not affecting any of the code.

Findings

Severity	Found
◆ Critical	0
♦ High-Risk	0
◆ Medium-Risk	0
♦ Low-Risk	0
Gas Optimization /Suggestions	0



INHERITANCE TREE





POINTS TO NOTE

- Owner is not able to set buy/sell/transfer taxes (0% static)
- Owner is not able to blacklist an arbitrary wallet
- Owner is not able to set max buy/sell/transfer amounts
- Owner is not able to disable trades
- Owner is not able to mint new tokens



CONTRACT ASSESMENT

```
| Contract |
             Type | Bases |
IIIIIII
| **| Interface | | | | | | |
| L | totalSupply | External | | NO | |
| | balanceOf | External | | NO | |
| L | transfer | External | | | | NO | |
| L | allowance | External | | NO | |
| Lapprove | External | | 🛑 | NO 📗 |
| transferFrom | External | | | | NO | |
**Context** | Implementation | |||
| L|_msgSender|Internal 🙃 | ||
| L | _msgData | Internal 🔒 | | |
IIIIIII
| **Ownable** | Implementation | Context ||| | | |
| L | <Constructor> | Public | | | | NO | |
| L | owner | Public | | NO | |
| L | renounceOwnership | Public ! | 🛑 | onlyOwner |
| L | transferOwnership | Public | | | | onlyOwner |
| L | _setOwner | Private 🔐 | 🛑 | |
IIIIIII
| **SafeMath** | Library | | | | | |
| L | tryAdd | Internal 🔒 | | |
| L | trySub | Internal 🔒 | | |
| L | tryMul | Internal 🔒 | | |
| L | tryDiv | Internal 🔒 | | |
| L | tryMod | Internal 🔒 | | | |
| L | add | Internal 🔒 | | |
| L | sub | Internal 🔒 | | | |
| L | mul | Internal 🔒 | | | |
| L | div | Internal 🔒 | | |
| L | mod | Internal 🔒 | | |
| L | sub | Internal 🔒 | | | |
| L | div | Internal 🔒 | | | |
| L | mod | Internal 🔒 | | |
| **BaseToken** | Implementation | |||
| **StandardToken** | Implementation | IERC20, Ownable, BaseToken | | |
| L | <Constructor> | Public | | 👥 | NO | |
| L | name | Public | | NO | |
```



CONTRACT ASSESMENT

```
| | symbol | Public | | NO | | | |
| L | decimals | Public | | | NO | |
| L | totalSupply | Public | | NO ! |
| L | balanceOf | Public | | | NO | |
| | transfer | Public | | | | NO | |
| L | allowance | Public | | | NO | |
| L | approve | Public | | | | NO | |
| L | transferFrom | Public | | 🛑 | NO 📗 |
| L | increaseAllowance | Public | | | | NO | |
| | decreaseAllowance | Public | | | | NO | |
| L | _transfer | Internal 🔒 | 🛑 | |
| L | _mint | Internal 🔒 | 🛑 | |
📙 🗀 urn | Internal 🔒 | 🛑 | |
| L | _approve | Internal 🔒 | 🛑 | |
| L | _setupDecimals | Internal 🔒 | 🛑 | |
| L | _beforeTokenTransfer | Internal 🔒 | 🛑 | |
```



STATIC ANALYSIS

Result => A static analysis of contract's source code has been performed using slither,

No major issues were found in the output



FUNCTIONAL TESTING

Router (PCS V2): 0xD99D1c33F9fC3444f8101754aBC46c52416550D1

- 1- Adding liquidity (passed):
- https://testnet.bscscan.com/tx/0xb4f96efdfa61010dbd3e92c96 741fabb5de9563d0fd5903c2372a466fcb2ae17
- 2- Buying (0% tax) (passed): https://testnet.bscscan.com/tx/0x700a20156c23c49215e195eef 181c537f421572a5c802b2cbf7b04cb8ae18250
- 3- Selling (0% tax) (passed): https://testnet.bscscan.com/tx/0x5cee8e84a8579549efdc5b68 e3a4511479ed351652860dd2edc30a3197ed3c2d
- 4- Transferring (0% tax) (passed): https://testnet.bscscan.com/tx/0x248ab0511af7b080ce6d930997ba70ee090945890e15685b82c98f3582bcc05b



MANUAL TESTING

NO ISSUES FOUND



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