

Smart Contract Audit

FOR

Astra Network

DATED: 20 June 23'



AUDIT SUMMARY

Project name - Astra Network

Date: 20 June, 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:

a line by line code review has been performed by audit ace team.

2- BSC Test Network:

all tests were done on BSC Test network, each test has its transaction has attached to it.

3- Slither: Static Analysis

Testnet Link: all tests were done using this contract, tests are done on BSC Testnet

https://testnet.bscscan.com/address/0x6ee6a25d59 5c4bF7161578C4f609103007e56818



Token Information

Token Name: Astra Network

Token Symbol: Astra

Decimals: 18

Token Supply: 1,000,000,000

Token Address:

0x409188D1Ca9D0ef9836688654E301c06544fcCCe

Checksum:

6892b4d807c7678a5031330134301a6e540d2b02

Owner:

0xFeD9911Adb8F7a39779e47dCfF7064E2A0F4e7C



TOKEN OVERVIEW

Fees:

Buy Fees: 0%

Sell Fees: 0%

Transfer Fees: 0%

Fees Privilige: no

Ownership: no

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: none

Blacklist: No

Other Priviliges:

- initial distribution of the tokens



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.

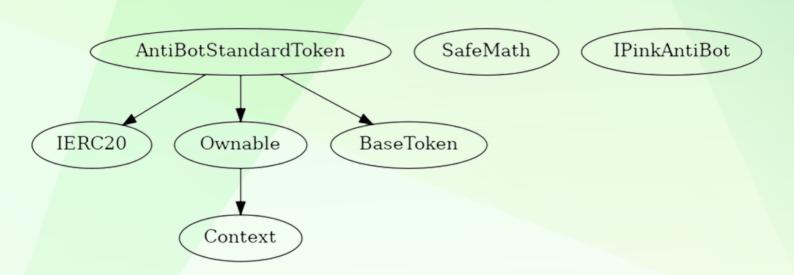
A vulnerability that has an informational character but is not affecting any of the code.

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% all)
- Owner is not able to set transfer taxes
- Owner is not able to set max buy/sell/transfer/hold amount
- Owner is not able to blacklist an arbitrary wallet
- Owner is not able to disable trades
- Owner is not able to mint new tokens



CONTRACT ASSESMENT

```
| Contract |
                Type
                              Bases
|<del>:-----:|:-----:|:-----:|:-----:|</del>
        **Function Name** | **Visibility** | **Mutability** | **Modifiers** |
111111
| **IERC20** | Interface | ||| | |
| L | totalSupply | External | | NO | |
| L | balanceOf | External | | NO | |
| L | transfer | External | | | NO | |
| | allowance | External | | NO |
| L | approve | External | | | NO | |
| L | transferFrom | External | | | NO | |
ШШ
**Context** | Implementation | |||
| L | msgSender | Internal 🦰 | | | | |
| L | msgData | Internal 🦰 | | |
| **Ownable** | Implementation | Context | | |
| L | <Constructor> | Public | | ( NO | |
| L | owner | Public | | NO |
| L | renounceOwnership | Public | | ( ) | onlyOwner |
| L | transferOwnership | Public | | ( ) | onlyOwner |
| L | _setOwner | Private 🦳 | 🛑 | |
| **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 🦰 | | |
| **IPinkAntiBot** | Interface | | | |
| L | setTokenOwner | External | | | NO | |
| L | onPreTransferCheck | External | | | NO | |
111111
```



CONTRACT ASSESMENT

```
111111
**AntiBotStandardToken** | Implementation | IERC20, Ownable, BaseToken | | |
| | Constructor | Public | | III | NO
| L | name | Public | | | NO | |
| L | 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 | |
| L | decreaseAllowance | Public | | | NO | |
| L | _transfer | Internal 🦰 | 🛑 | |
| L | _mint | Internal 🦲 | 🧓 | |
| L | _burn | Internal 🦲 | 🧓 | |
| L | approve | Internal 🦰 | 🛑 | |
| L | _setupDecimals | Internal 🦰 | 🛑 | |
| L | beforeTokenTransfer | Internal 🦰 | 🛑 | |
### Legend
```



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

1- Adding liquidity (passed):

https://testnet.bscscan.com/tx/0x4a3754e428ef71ad4d1b5aacf4d 35bc4774b838a9f70d39a93e80bfb3177ea31

2- Buying (0% tax) (passed):

https://testnet.bscscan.com/tx/0x51084220947cf6c65278bb64a1 4ec7a94ec57bc41ceaf113970bfdea3380a340

3- Selling (0% tax) (passed):

https://testnet.bscscan.com/tx/0x2ec8821e657c6061807a94e377 644da85c1c7fbaf21f6f04bcbfc4b19816f231

4- Transferring (0% tax) (passed):

https://testnet.bscscan.com/tx/0x260f9c50c5a3f70a4d6685a1d9 81bb0b74669138335032e4d1c8c40873258b87



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