auditace.tech

AuditAce
FROM INCEPTION TO SUCCESS

Smart Contract Audit

FOR

ChatGPT

DATED : 12 FEB 23'

AUDIT SUMMARY

Project name – ChatGPT

Date: 12 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:
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/token/0x71bf76f05e984d52f447671574c093d9c87c41fb

Token Information

Token Name : ChatGPT Token

Token Symbol: ChatGPT

Decimals: 18

Token Supply: 100,000,000

Token Address:
0x888E561b3A532231b7D7a1ab8b3C002A1EDDc532

Checksum:
f7c53e783b09f258a3117d496379d228b882712fec319bb0688fac1245a27378

Deployer:
0xB44fEEB078B243A3815BEB6B0a29591d09440827

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: No

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-by-line 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

- Return values of low-level calls
- Private modifier
- Multiple Sends
- Using Suicide
- Gas Limitand Loops
- Address hardcoded
- Exception Disorder
- Using inline assembly
- Divide before multiply
- Missing Zero Address Validation
- Compiler version not fixed
- **Gasless Send**
- Using block.timestamp
- Re-entrancy
- Tautology or contradiction
- Timestamp Dependence
- Revert/require functions
- Use of tx.origin
- Integer overflow/underflow
- Dangerous strict equalities
- Using SHA3
- Using throw

CLASSIFICATION OF RISK

Severity	Description
Critical	These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.
High-Risk	A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.
Medium-Risk	A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.
Low-Risk	A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.
Gas Optimization /Suggestion	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

Single contract – on inheritance

POINTS TO NOTE

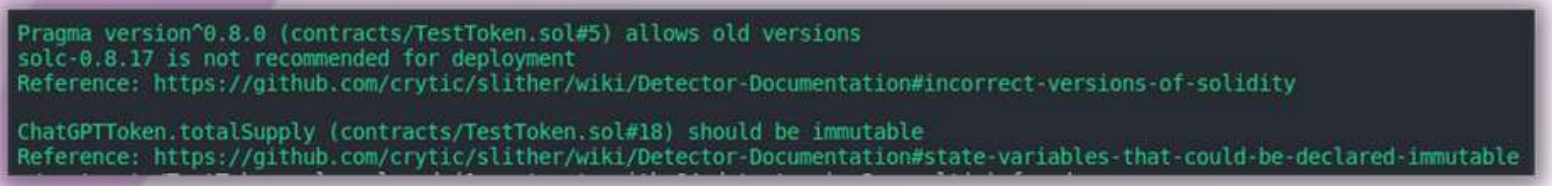
- Owner is not able to set buy/sell taxes (0% always)
- Owner is not able to blacklist an arbitrary wallet
- Owner is not able to set max buy/sell/transfer amounts
- Owner is not able to disable trades
- Owner is not able to mint new tokens

CONTRACT ASSESMENT

Contract	Type	Bases		
└	**Function Name**	**Visibility**	**Mutability**	**Modifiers**
ChatGPTToken	Implementation			
└	<Constructor>	Public ❗	🛑	NO❗
└	balanceOf	Public ❗		NO❗
└	transfer	Public ❗	🛑	NO❗
└	approve	Public ❗	🛑	NO❗
└	allowance	Public ❗		NO❗
└	transferFrom	Public ❗	🛑	NO❗

Symbol	Meaning
🛑	Function can modify state
💵	Function is payable

STATIC ANALYSIS



```
Pragma version^0.8.0 (contracts/TestToken.sol#5) allows old versions
solc-0.8.17 is not recommended for deployment
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

ChatGPTToken.totalSupply (contracts/TestToken.sol#18) should be immutable
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-immutable
```

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):
liquidity added on Pancakeswap V2:

https://testnet.bscscan.com/tx/0x8bcc2fccc0381dfcfc0ba4ebbb682856dc17508a4a65c87abe17b6526cd60ee3

no issue were found on adding liquidity.

2- Buying (0% max tax)(Passed):

https://testnet.bscscan.com/tx/0x0418fbd37dfb112f4e60bd7324247ea5da82e373457d3de212c0f56e8f952395

3- Selling (0% max tax)(Passed):

https://testnet.bscscan.com/tx/0xe1bfa266127ead81869a6da3c7fc652e73e30a689bdeb3503c4b274dc628314c

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

https://testnet.bscscan.com/tx/0xb5c372290d766ed834199e43b1b1d4156bf3aa8e19cbb2ce6d99ba128b6382b4

MANUAL TESTING

NO ISSUES FOUND

Social Media Overview

Here are the Social Media Accounts of

ChatGPT

https://t.me/ChatGPTFans

https://twitter.com/ChatGPT_Fans

https://chatgpt-fancommunity.org/

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