

Smart Contract Audit

FOR

CHIHUAHUACEO

DATED: 05 Mar 23'



AUDIT SUMMARY

Project name - CHIHUAHUACEO

Date: 05 March, 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	1	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/0x3745cF8a2e 38B268710CC7C04689491E885c7350#code



Token Information

Token Name: Chihuahua CEO

Token Symbol: Chihuahua CEO

Decimals: 9

Token Supply: 420,000,000,000,000,000

Token Address:

0x8d2CfC20c20de53934cD1657a9187f46591dDa31

Checksum:

d191eb77831c39a6828fd406419d233bdf221735

Owner:

0xBCf84E37F83a55a03a3BE9f7fa2c52f95ecA5509



TOKEN OVERVIEW

Fees:

Buy Fees: 10%

Sell Fees: 10%

Transfer Fees: 10%

Fees Privilige: None

Ownership: Owned

Minting: No mint function

Max Tx Amount/ Max Wallet Amount: No

Blacklist: No

Other Priviliges: including and excluding from fees



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.

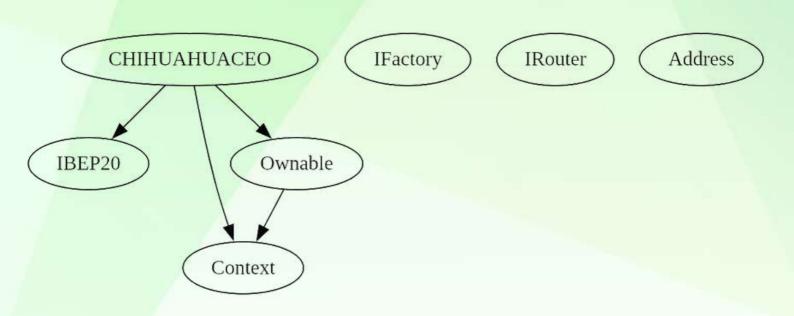
A vulnerability that has an informational character but is not affecting any of the code.

Findings

Severity	Found
♦ Critical	0
♦ High-Risk	0
♦ Medium-Risk	0
♦ Low-Risk	1
Gas Optimization /Suggestions	0



INHERITANCE TREE





POINTS TO NOTE

- Owner is not able to change fees (10% for buy/sell/transfers static)
- 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 |
ШШ
| **|BEP20** | Interface | ||| | |
| | totalSupply | External | | NO | |
| L | balanceOf | External | | NO | |
| L | transfer | External | | | | NO | |
| L | allowance | 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 | _setOwner | Private 🔐 | 🛑 | |
IIIIIII
| **IFactory** | Interface | ||| | | | | | | | | | | | | | |
| L | createPair | External | | | | NO | |
| **IRouter** | Interface | |||
| L | factory | External | | NO | |
| L | WETH | External | | NO | |
| L | addLiquidityETH | External | | 💵 | NO 📗 |
| | swapExactTokensForETHSupportingFeeOnTransferTokens | External | | | | | | | | | | | | | | | | |
| L | sendValue | Internal 🔒 | 🛑 | |
HHHH
| **CHIHUAHUACEO** | Implementation | Context, IBEP20, Ownable | | | | | |
| L | <Constructor> | Public | | | | NO | |
| L | name | Public | | | NO | |
| L | symbol | Public ! | NO! |
| L | decimals | Public | | NO | |
| L | totalSupply | Public | | NO | |
| L | balanceOf | Public | | NO | |
| L | allowance | Public | | NO | |
| L | approve | Public | | | | NO | |
```



CONTRACT ASSESMENT

```
| transferFrom | Public | | | NO | | | |
| L | increaseAllowance | Public | | | | NO | |
| | decreaseAllowance | Public | | | | NO | |
| | transfer | Public | | | | NO | |
| | isExcludedFromReward | Public | | | NO | |
| | reflectionFromToken | Public | | NO | |
| L | tokenFromReflection | Public | | NO | |
| | excludeFromReward | Public | | | | onlyOwner |
| L | excludeFromFee | Public | | | | onlyOwner |
| | includeInFee | Public | | | | onlyOwner |
| | | isExcludedFromFee | Public | | | NO | |
| L | _reflectRfi | Private 🔐 | 🛑 | |
| L | _takeMarketing | Private 🔐 | 🛑 | |
| L | _getValues | Private 🔐 | | |
| L | _getTValues | Private 🔐 | | |
| L | _getRValues | Private 🔐 | | |
| L | _getRate | Private 🔐 | | |
| L | _getCurrentSupply | Private 🔐 | | |
| L | _approve | Private 🔐 | 🛑 | |
| L | _transfer | Private 🔐 | 🛑 | |
| L | _tokenTransfer | Private 🔐 | 🛑 | |
| L | swapAndLiquify | Private 🔐 | 🛑 | lockTheSwap |
| L | swapTokensForBNB | Private 🔐 | 🛑 | |
| L | <Receive Ether> | External | | 1 1 1 NO | |
| Symbol | Meaning |
|:-----|
 | Function can modify state |
  Function is payable |
```



STATIC ANALYSIS

```
Reentrancy in CHIRMANALEGE, transferToronaldores, address, united to the control of the control
```

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

All the functionalities have been tested, no issues were found

1- Adding liquidity (passed):

https://testnet.bscscan.com/tx/0xa19868813f5c545869658164b8 32c6e04c8d941275506193c9c534e80d8921c5

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

https://testnet.bscscan.com/tx/0x0691cc2279868f9b794e6a7c11f 649a936773175d71e2bd55fc0cf1f135c8e10

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

https://testnet.bscscan.com/tx/0xed51a537ce40af475369ef5eb5 895124c3b546becd1ea5627046ca52b1430415

4- Transferring when transfer without fee enabled (0% tax) (passed):

https://testnet.bscscan.com/tx/0x1ea53faa1eea5b271480f9a6415 9ea9a3fc70c86aaa69b42130a5ca637da778b

5- Buying when not excluded (10% tax) (passed):

https://testnet.bscscan.com/tx/0xd4368627af8c5e5f378b986bdb 0b66ec29d22444d862dc59a27e0f2c085dc6cf

6- Selling when not excluded (10% tax) (passed):

https://testnet.bscscan.com/tx/0xdca4f61da2e3132d3c35e75bdcb86cad128b8fa243fbaf322ea782b76ee725b1



FUNCTIONAL TESTING

7- Transferring when transfer without fee disabled (10% tax) (passed):

https://testnet.bscscan.com/tx/0x09f1a6b835b6bfa106b8e3c869a c81caeec2667f42816ae928b6434e01487aa1

8- Internal swap (passed):

marketing wallet received ETH

https://testnet.bscscan.com/address/0xeac74d8b58cae17193b2df b86ae3f5efd42416c0#internaltx



MANUAL TESTING

Issue: no transferOwnership Function

Type: Logical Function: --Line: 42-69

Severity: Low

Overview:

the contract does not have a transferOwnership function, which means that the ownership of the contract cannot be transferred to another address. This can be a problem if the original owner loses control of their private keys or if they are no longer able to manage the contract for any reason

Recommendations

To address the issue identified in this audit, we recommend the following:

1.Implement a TransferOwnership Function The contract should be updated to include a transferOwnership function that allows the current owner to transfer ownership of the contract to another address. This function should include proper access control to prevent unauthorized transfers of ownership.



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