



Smart Contract Audit

FOR

Humanoid AI

DATED : 28 FEB 23'



AUDIT SUMMARY

Project name – HUMANOID AI

Date: 28 February, 2023

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

Audit Status: Passed (Contract is developed by pinksale's Safu Dev)

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/0xbbA3e7028D4dC067258F7BB8EBf3d725191D860b#code>



Token Information

Token Name : HUMANOID AI

Token Symbol: HUMAI

Decimals: 18

Token Supply: 100,000,000

Token Address:

0xf6B52a29671E74e6b3a7592EF79039AbB64E2885

Checksum:

900adda7e7785dba36e8506d52cbc16c27be1460

Owner:

0x5bca0461b9cbcd56ef2a58de38eb03adfe969233

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

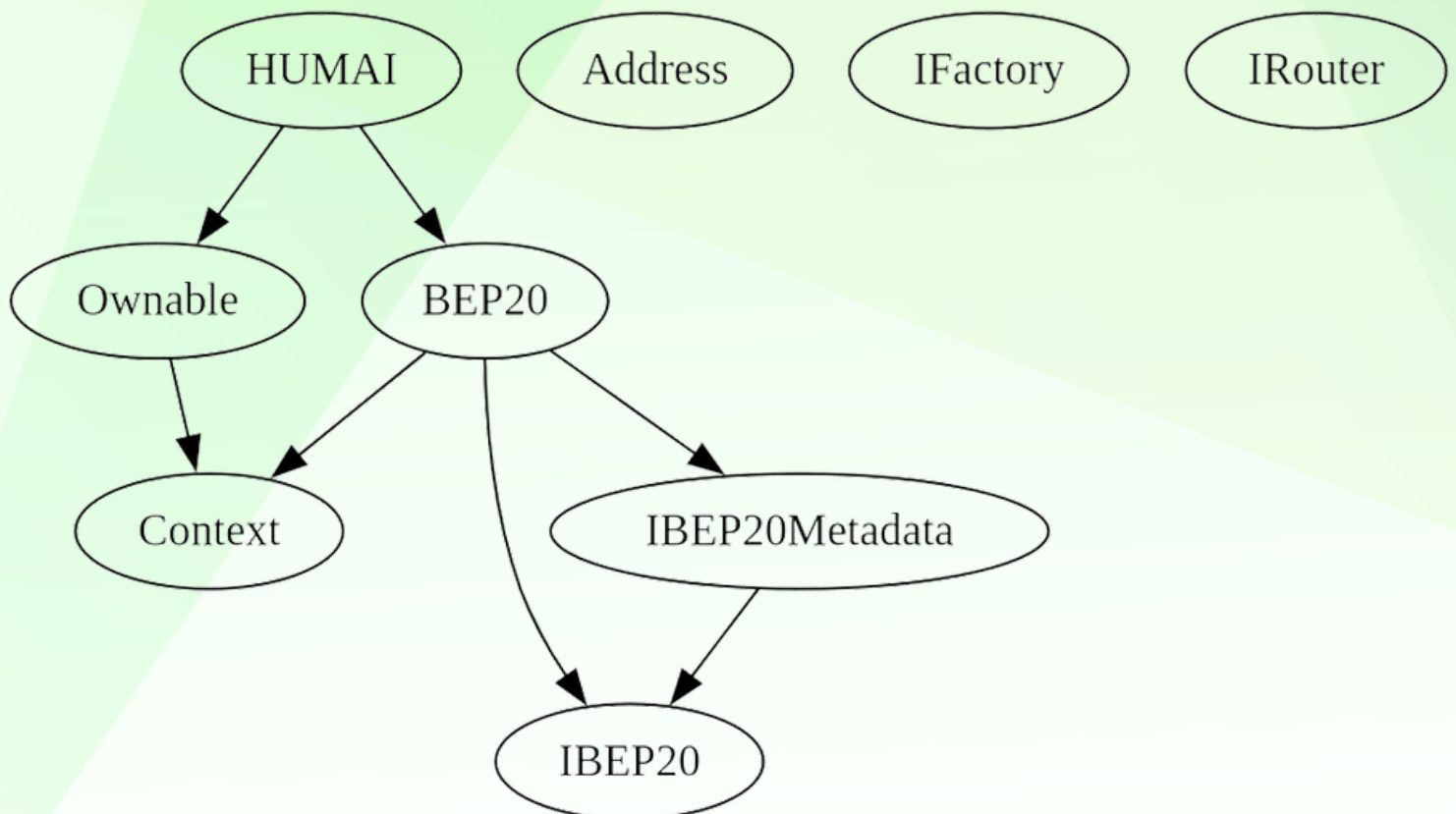
Findings

Severity

Found

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

INHERITANCE TREE



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
 - Owner must enable trading in order for everyone to be able to trade (otherwise no one would be able to buy/sell/transfer)
-



CONTRACT ASSESMENT

Contract	Type	Bases			
:-----: :-----: :-----: :-----: :-----:					
└─	**Function Name**	**Visibility**	**Mutability**	**Modifiers**	
Context Implementation					
└─	_msgSender	Internal	🔒		
└─	_msgData	Internal	🔒		
IBEP20 Interface					
└─	totalSupply	External	!		NO!
└─	balanceOf	External	!		NO!
└─	transfer	External	!	🛑	NO!
└─	allowance	External	!		NO!
└─	approve	External	!	🛑	NO!
└─	transferFrom	External	!	🛑	NO!
IBEP20Metadata Interface IBEP20					
└─	name	External	!		NO!
└─	symbol	External	!		NO!
└─	decimals	External	!		NO!
BEP20 Implementation Context, IBEP20, IBEP20Metadata					
└─	<Constructor>	Public	!	🛑	NO!
└─	name	Public	!		NO!
└─	symbol	Public	!		NO!
└─	decimals	Public	!		NO!
└─	totalSupply	Public	!		NO!
└─	balanceOf	Public	!		NO!
└─	transfer	Public	!	🛑	NO!
└─	allowance	Public	!		NO!
└─	approve	Public	!	🛑	NO!
└─	transferFrom	Public	!	🛑	NO!
└─	increaseAllowance	Public	!	🛑	NO!
└─	decreaseAllowance	Public	!	🛑	NO!
└─	_transfer	Internal	🔒	🛑	
└─	_tokengeneration	Internal	🔒	🛑	
└─	_approve	Internal	🔒	🛑	
Address Library					
└─	sendValue	Internal	🔒	🛑	
Ownable Implementation Context					

CONTRACT ASSESMENT


```

|  | <Constructor> | Public ! |  | NO! |
|  | owner | Public ! | | NO! |
|  | renounceOwnership | Public ! |  | onlyOwner |
|  | transferOwnership | Public ! |  | onlyOwner |
|  | _setOwner | Private  |  | |
|||||
| **IFactory** | Interface | |||
|  | createPair | External ! |  | NO! |
|||||
| **IRouter** | Interface | |||
|  | factory | External ! | | NO! |
|  | WETH | External ! | | NO! |
|||||
| **HUMAI** | Implementation | BEP20, Ownable |||
|  | <Constructor> | Public ! |  | BEP20 |
|  | approve | Public ! |  | NO! |
|  | transferFrom | Public ! |  | NO! |
|  | increaseAllowance | Public ! |  | NO! |
|  | decreaseAllowance | Public ! |  | NO! |
|  | transfer | Public ! |  | NO! |
|  | _transfer | Internal  |  | |
|  | EnableTrading | External ! |  | onlyOwner |
|  | updateWhitelist | External ! |  | onlyOwner |
|  | bulkWhitelist | External ! |  | onlyOwner |
|  | rescueBNB | External ! |  | onlyOwner |
|  | rescueBSC20 | External ! |  | onlyOwner |
|  | burnBSC20 | External ! |  | onlyOwner |
|  | <Receive Ether> | External ! |  | NO! |

```

| Symbol | Meaning |

| :-----: | ----- |

|  | Function can modify state |

|  | Function is payable |



STATIC ANALYSIS

```
ue(address,uint256) (contracts/Token.sol#353-364) is never used and should be removed
a() (contracts/Token.sol#29-32) is never used and should be removed
s://github.com/crytic/slither/wiki/Detector-Documentation#dead-code

0.8.17 (contracts/Token.sol#22) necessitates a version too recent to be trusted. Consider deploying with 0.6.12/0.7.6/0.8.16
not recommended for deployment
s://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity

In Address.sendValue(address,uint256) (contracts/Token.sol#353-364):
ess) = recipient.call{value: amount}{} (contracts/Token.sol#359)
s://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls

_balances (contracts/Token.sol#85) is not in mixedCase
_allowances (contracts/Token.sol#87) is not in mixedCase
.WETH() (contracts/Token.sol#417) is not in mixedCase
EnableTrading() (contracts/Token.sol#526-529) is not in mixedCase
updateWhitelist(address,bool). address (contracts/Token.sol#531) is not in mixedCase
deadWallet (contracts/Token.sol#428-429) is not in UPPER_CASE_WITH_UNDERSCORES
s://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions

ession "this (contracts/Token.sol#30)" inContext (contracts/Token.sol#24-33)
s://github.com/crytic/slither/wiki/Detector-Documentation#redundant-statements

tracts/Token.sol#424) should be immutable
ontracts/Token.sol#423) should be immutable
s://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/0x14fb6f530a8935c26fdf4a3ed9a70e78fc5659188a7b19bfdbb4df5a0423c1bc>

no issue were found on adding liquidity.

2- Buying (0% Tax) (Passed):

<https://testnet.bscscan.com/tx/0x14fb6f530a8935c26fdf4a3ed9a70e78fc5659188a7b19bfdbb4df5a0423c1bc>

3- Selling (0% Tax) (Passed):

<https://testnet.bscscan.com/tx/0x8cb14d183f79ee6d4868a9469e2b8c3c40dcd8536528438e3a0f36283b0c990b>

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

<https://testnet.bscscan.com/tx/0x97dedddabd3c97bffe6b1498068281597dbd6ebbd0031e802b169fcf55416882>



MANUAL TESTING

NO ISSUES FOUND

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Social Media Overview

**Here are the Social Media Accounts of
Humanoid AI**



<https://t.me/HumanoidAIannouncement>



<https://twitter.com/humanoidailabs>



<https://www.humanoidailabs.com/>



ABOUT AUDITACE

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