freshcoins

SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT

Harry Potter Obama 10Inu

$BITCOINS

22/07/2024

TOKEN OVERVIEW

Fees

- Buy fees: 0%
- Sell fees: 0%

Fees privileges

- Can change fees up to 100%

Ownership

- Owned

Minting

- Owner can mint tokens after the initial deployment

Max Tx Amount / Max Wallet Amount

- Can’t change max tx amount or max wallet amount

Blacklist

- Blacklist function detected

Other privileges

- Can exclude / include from fees
- Pausable contract

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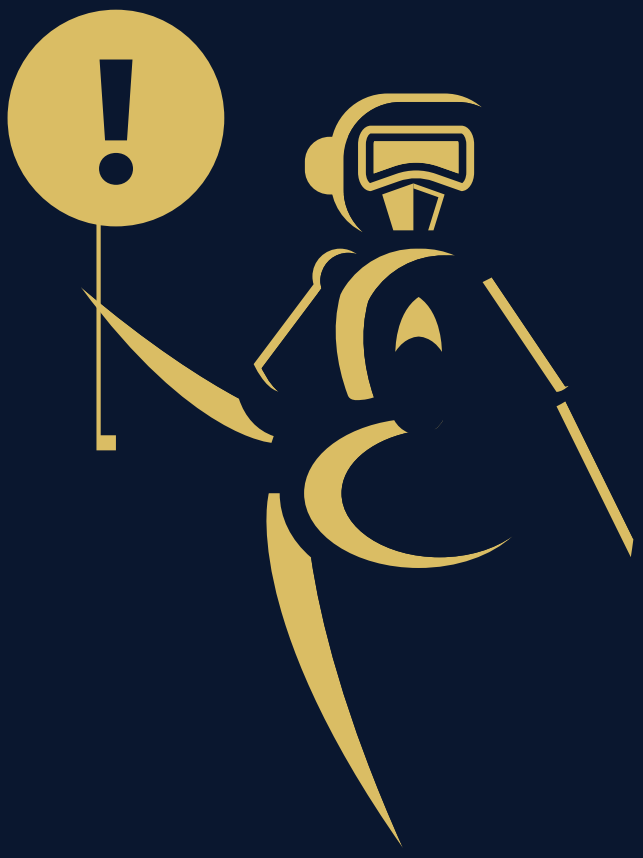
DISCLAIMER

The information provided on this analysis document is only for general information and should not be used as a reason to invest.

FreshCoins Team will take no payment for manipulating the results of this audit.

The score and the result will stay on this project page information on our website https://freshcoins.io
FreshCoins Team does not guarantees that a project will not sell off team supply, or any other scam strategy (RUG or Honeypot etc)



INTRODUCTION

FreshCoins (Consultant) was contracted by Harry Potter Obama 10Inu (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0x96cfFA8f6842fD23065e39375A2009E08b75F481

Network: Binance Smart Chain (BSC)

This report presents the findings of the security assessment of Customer's smart contract and its code review conducted on 22/07/2024

WEBSITE DIAGNOSTIC

https://hpos10i.top/

0-49 50-89 90-100

Performance	Accessibility	Best Practices	SEO	Progressive Web App
91	92	94	86	NA

Socials

Twitter

https://x.com/bitcoins___bsc

Telegram

https://t.me/HarryPotterObama10inusd

AUDIT OVERVIEW

32

Security Score
HIGH RISK
Audit FAIL

91

Static Scan
Automatic scanning for common vulnerabilities

24

ERC Scan
Automatic checks for ERC's conformance

4 High

0 Medium

0 Low

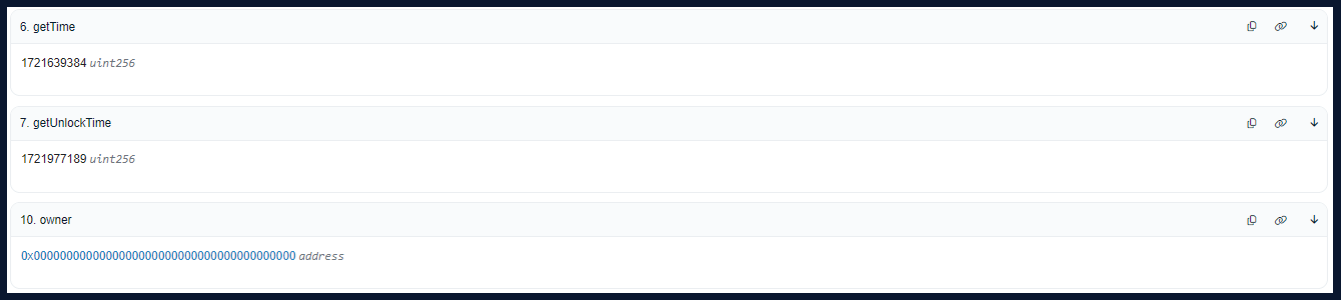
0 Optimizations

0 Informational

No.	Issue description	Checking Status
1	Compiler Errors / Warnings	Passed
2	Reentrancy and Cross-function	Passed
3	Front running	Low
4	Timestamp dependence	Passed
5	Integer Overflow and Underflow	Passed
6	Reverted DoS	Passed
7	DoS with block gas limit	Low
8	Methods execution permissions	Passed
9	Exchange rate impact	Passed
10	Malicious Event	Passed
11	Scoping and Declarations	Passed
12	Uninitialized storage pointers	Passed
13	Design Logic	Passed
14	Safe Zeppelin module	Passed

OWNER PRIVILEGES

- While the contract is currently in a state where the owner has renounced ownership temporarily, the ownership can and likely will be restored after the specified lock period. At that point, the owner will regain significant control over the contract, enabling actions such as minting new tokens, blacklisting addresses, and adjusting fees.



Lock Functionality and Ownership Transfer

The contract contains a lock function, which allows the current owner to temporarily renounce ownership and set a future unlock time.

```
function lock(uint256 time) public onlyOwner {
    _previousOwner = owner;
    owner = address(0);
    _lockTime = block.timestamp + time;
    emit OwnershipTransferred(owner, address(0));
}
```

Unlock Functionality and Restoring Ownership

After the lock period expires, the previous owner can reclaim ownership using the unlock function.

```
function unlock() public {
    require(_previousOwner == msg.sender, "Ownable: caller is not the previous owner");
    require(block.timestamp > _lockTime, "Ownable: contract is locked, time is not up");
    emit OwnershipTransferred(owner, _previousOwner);
    owner = _previousOwner;
}
```

Current State and Unlock Time

As per the current state:

getUnlockTime returns “1721977189” value

getTime returns “1721639384” value

The difference between these timestamps is 337805 seconds, which is approximately 11.72934027777778 days.

Implications for the Contract Owner

In approximately 11.73 days, the previous owner will be able to regain control of the contract. Once ownership is restored, the owner has several powerful capabilities, including but not limited to:

Minting New Tokens:

- **The owner can call the mint function to create new tokens, which can potentially inflate the token supply.**

```
function mint(address account, uint256 amount) onlyOwner public {
        totalSupply += amount;
        balances[account] += amount;
        emit Mint(address(0), account, amount);
        emit Transfer(address(0), account, amount);
}
```

Blacklisting Addresses:

- **The owner can blacklist any address, preventing those addresses from transferring tokens.**

```
function blackListAddress(address listAddress,  bool isBlackListed) public onlyOwner {
        tokenBlacklist[listAddress] = isBlackListed;
}
```

Updating Fees:

- **The owner can update the transaction fee (txFee) and burn fee (burnFee) up to 100%, potentially impacting the usability and attractiveness of the token for trading.**

```
function updateFee(uint256 _txFee, uint256 _burnFee, address _FeeAddress) onlyOwner public {
        txFee = _txFee;
        burnFee = _burnFee;
        FeeAddress = _FeeAddress;
}
```

Recommendation:

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user from accessing the contract admin functions. The risk can be prevented by temporarily locking the contract or renouncing ownership.

CONCLUSION AND ANALYSIS

Smart Contracts within the scope were manually reviewed and analyzed with static tools.

Audit report overview contains all found security vulnerabilities and other issues in the reviewed code.

Found 4 HIGH issues during the first review.

TOKEN DETAILS

Details

Buy fees:	0%
Sell fees:	0%
Max TX:	N/A
Max Wallet:	N/A

Honeypot Risk

Ownership:	Owned
Blacklist:	Detected
Modify Max TX:	Not detected
Modify Max Sell:	Not detected
Disable Trading:	Not detected

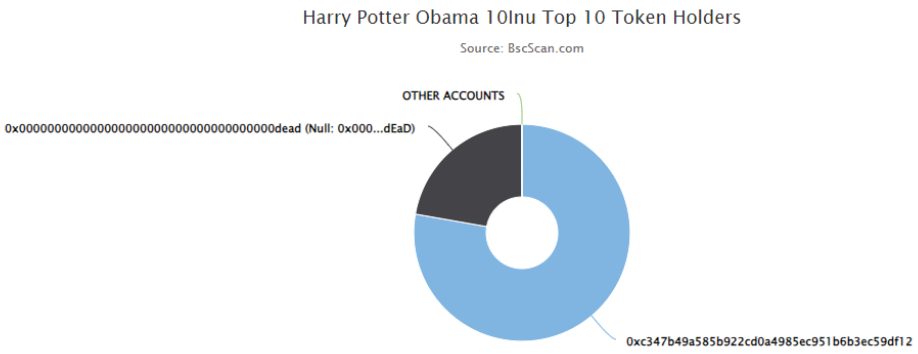
Rug Pull Risk

Liquidity:	N/A
Holders:	Clean

BITCOINS TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00%
(21,000,000,000.00 Tokens) of Harry Potter Obama 10Inu

Token Total Supply: 21,000,000,000.00 Token | Total Token Holders: 2



(A total of 21,000,000,000.00 tokens held by the top 10 accounts from the total supply of 21,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0xc347B49A...3Ec59df12	16,329,500,000	77.7595%
2	Null: 0x000...dEaD	4,670,500,000	22.2405%

TECHNICAL DISCLAIMER

Smart contracts are deployed and executed on the blockchain platform. The platform, its programming language, and other software related to the smart contract can have its vulnerabilities that can lead to hacks. The audit can't guarantee the explicit security of the audited project / smart contract.