freshcoins

SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT

MetaSleep

$MetaSleep

14/05/2022

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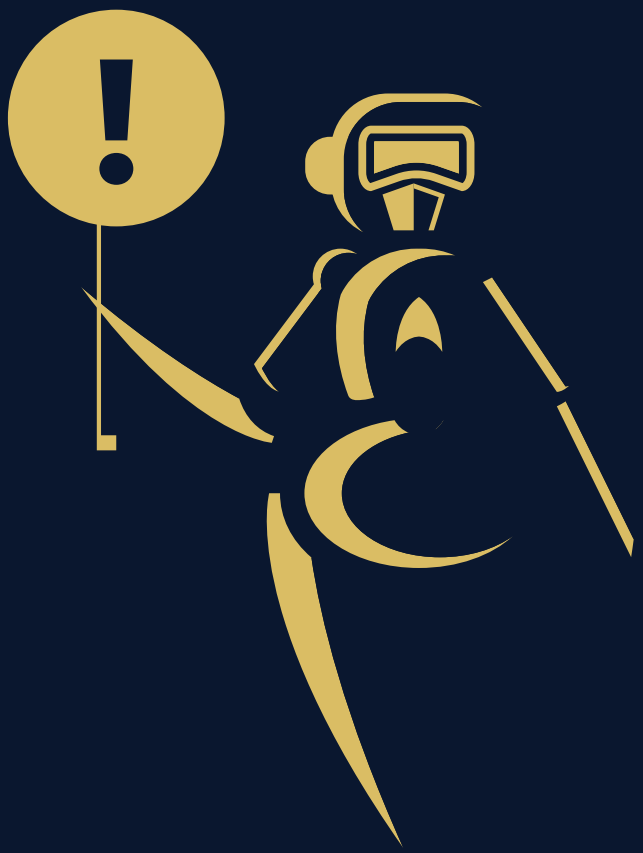
DISCLAIMER

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 MetaSleep (Customer) to conduct a Smart Contract Code Review and Security Analysis.

0x5929b170B8876268Bfc01B300D89E0520368E7Aa

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 14/05/2022

AUDIT OVERVIEW

94

Security Score

90

Static Scan
Automatic scanning for common vulnerabilities

97

ERC Scan
Automatic checks for ERC's conformance

0 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	Passed
4	Timestamp dependence	Passed
5	Integer Overflow and Underflow	Passed
6	Reverted DoS	Passed
7	DoS with block gas limit	Passed
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

Contract owner can't mint tokens after initial contract deploy

Contract owner can't exclude an address from transactions

Contract owner can exclude/include wallet(s) from tax

```
function excludeMultipleAccountsFromFees(address[] calldata accounts, bool excluded) public onlyOwner {
    for(uint256 i = 0; i < accounts.length; i++) {
        _isExcludedFromFee[accounts[i]] = excluded;
    }
}
```

Contract owner can enable/disable swap (owner address excluded)

```
function toggleSwap(bool _swapEnabled) public onlyDev {
    swapEnabled = _swapEnabled;
}
```

Contract owner can swap/transfer tokens from development, marketing or owner wallet

```
function manualswap() external {
    require(_msgSender() == _developmentAddress || _msgSender() == _marketingAddress || _msgSender()
== owner());
    uint256 contractBalance = balanceOf(address(this));
    swapTokensForEth(contractBalance);
}

function manualsend() external {
    require(_msgSender() == _developmentAddress || _msgSender() == _marketingAddress || _msgSender()
== owner());
    uint256 contractETHBalance = address(this).balance;
    sendETHToFee(contractETHBalance);
}
```

Contract owner can transfer tokens from smart contract

MetaSleep tokens not excluded

```
function rescueForeignTokens(address _tokenAddr, address _to, uint _amount) public onlyDev() {
    emit tokensRescued(_tokenAddr, _to, _amount);
    Token(_tokenAddr).transfer(_to, _amount);
}
```

Contract owner can change fees up to 20% buy and 12% sell

```
function setFee(uint256 redisFeeOnBuy, uint256 redisFeeOnSell, uint256 taxFeeOnBuy, uint256 taxFeeOnSell)
public onlyDev {
            require(redisFeeOnBuy < 11, "Redis cannot be more than 10.");
            require(redisFeeOnSell < 11, "Redis cannot be more than 10.");
            require(taxFeeOnBuy < 7, "Tax cannot be more than 6.");
            require(taxFeeOnSell < 7, "Tax cannot be more than 6.");
    _redisFeeOnBuy = redisFeeOnBuy;
    _redisFeeOnSell = redisFeeOnSell;
    _taxFeeOnBuy = taxFeeOnBuy;
    _taxFeeOnSell = taxFeeOnSell;
}
```

Contract owner can change _developmentAddress and _marketingAddress addresses

Default values:

_developmentAddress : 0x6204f9aA0B08D306d76127358F9b225C5496f8C4

_marketingAddress : 0xE2EC412fa68CB667E47b13E410Ce31ea730071F8

```
function setNewDevAddress(address payable dev) public onlyDev() {
    emit devAddressUpdated(_developmentAddress, dev);
    _developmentAddress = dev;
    _isExcludedFromFee[_developmentAddress] = true;
}

function setNewMarketingAddress(address payable markt) public onlyDev() {
    emit marketingAddressUpdated(_marketingAddress, markt);
    _marketingAddress = markt;
    _isExcludedFromFee[_marketingAddress] = true;
}
```

Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {
    emit OwnershipTransferred(_owner, address(0));
    _owner = address(0);
}
```

Contract owner can transfer ownership

```
function transferOwnership(address newOwner) public virtual onlyOwner {
    emit OwnershipTransferred(_owner, newOwner);
    _owner = newOwner;
}
```

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 no issue during the first review.

TOKEN DETAILS

Details

Buy fees:	5%
Sell fees:	5%
Max TX:	N/A
Max Sell:	N/A

Honeypot Risk

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

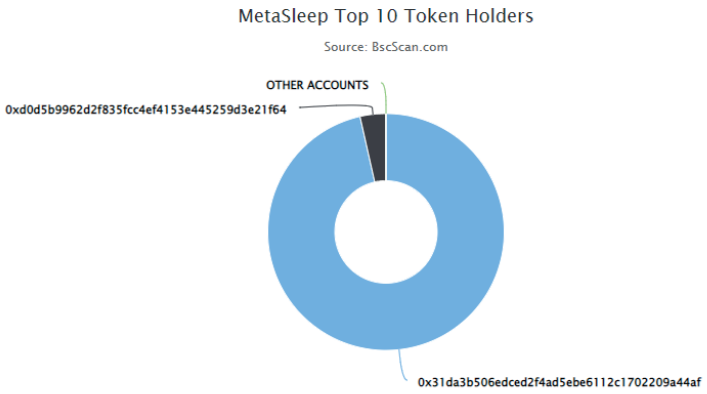
Rug Pull Risk

Liquidity:	N/A
Holders:	Clean

METASLEEP TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (1,000,000,000,000,000.00 Tokens) of MetaSleep

Token Total Supply: 1,000,000,000,000,000.00 Token | Total Token Holders: 2



(A total of 1,000,000,000,000,000.00 tokens held by the top 10 accounts from the total supply of 1,000,000,000,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0x31da3b506edced2f4ad5ebe6112c1702209a44af	964,799,999,999,598	96.4800%
2	0xd0d5b9962d2f835fcc4ef4153e445259d3e21f64	35,200,000,000,402	3.5200%

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.