freshcoins

SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT

SOULCIETY CLUB

Soulciety Club

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25/05/2022

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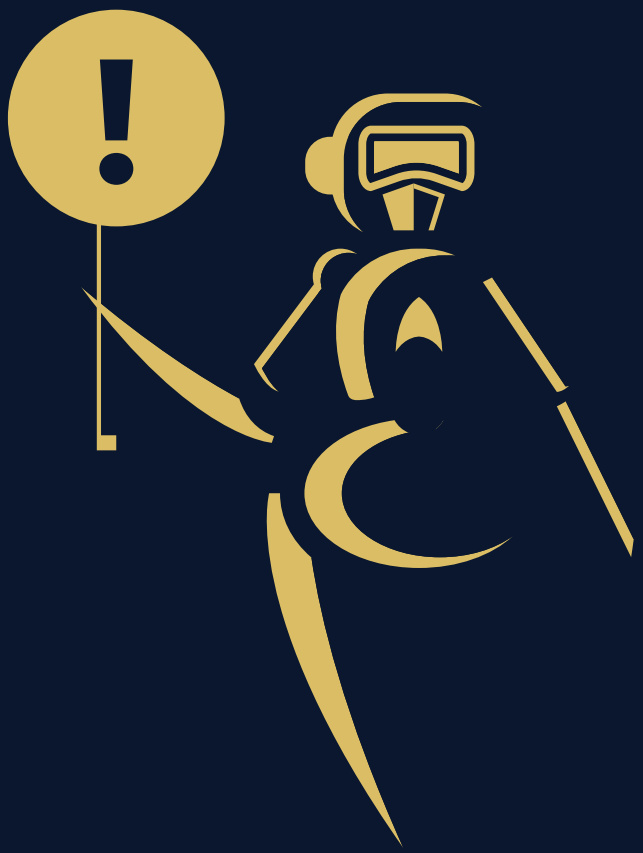
DISCLAIMER

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

0xd4466532583728a8516578AC5c41EC70b7af29aF

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 25/05/2022

AUDIT OVERVIEW

95

Security Score

94

Static Scan
Automatic scanning for common vulnerabilities

98

ERC Scan
Automatic checks for ERC's conformance

0 High

0 Medium

1 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	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

Contract owner can't mint tokens after initial contract deploy

Contract owner can exclude/include wallet from tax

```
function changeIsFeeExempt(address holder, bool exempt) external authorized {
    isFeeExempt[holder] = exempt;
}
```

Contract owner can exclude/include wallet from dividends

```
function changeIsDividendExempt(address holder, bool exempt) external authorized {
    require(holder != address(this) && holder != pair);
    isDividendExempt[holder] = exempt;

    if(exempt){
        dividendDistributor.setShare(holder, 0);
    }else{
        dividendDistributor.setShare(holder, _balances[holder]);
    }
}
```

Contract owner can exclude/include wallet from tx limitations

```
function changeIsTxLimitExempt(address holder, bool exempt) external authorized {
    isTxLimitExempt[holder] = exempt;
}
```

Contract owner can exclude/include address from wallet limitations

```
function changeRestrictWhales(bool newValue) external authorized {
    restrictWhales = newValue;
}
```

Contract owner can change swap settings

```
function changeSwapBackSettings(bool enableSwapBack, uint256 newSwapBackLimit, bool swapByLimitOnly) external authorized {
    swapAndLiquifyEnabled  = enableSwapBack;
    swapThreshold = newSwapBackLimit;
    swapAndLiquifyByLimitOnly = swapByLimitOnly;
}
```

Contract owner can change tx limitations

```
function changeTxLimit(uint256 newLimit) external authorized {
        _maxTxAmount = newLimit;
        require(_maxTxAmount >= _totalSupply/100);
}
```

Contract owner can change wallet limitations

```
function changeWalletLimit(uint256 newLimit) external authorized {
        _walletMax  = newLimit;
        require(_walletMax >= _totalSupply/100);
}
```

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

```
function enable_blacklist(bool _status) public onlyOwner {
    blacklistMode = _status;
}

function manage_blacklist(address[] calldata addresses, bool status)
    public
    onlyOwner
    {
    for (uint256 i; i < addresses.length; ++i) {
      isBlacklisted[addresses[i]] = status;
        }
}
```

Contract owner can change reward token

```
function setRewardToken(address _rewardToken) external authorized {
        dividendDistributor.setRewardToken(_rewardToken);
}
```

Contract owner can change autoLiquidityReceiver and developmentWallet addresses

Current values:

autoLiquidityReceiver : 0x4f31428f30ef91bb73a16aa232e7c8ab013495d3

developmentWallet : 0x4f31428f30ef91bb73a16aa232e7c8ab013495d3

```
function changeFeeReceivers(address newLiquidityReceiver, address newMarketingWallet) external autho-
rized {
        autoLiquidityReceiver = newLiquidityReceiver;
        developmentWallet = newMarketingWallet;
}
```

Contract owner can change fees up to 25%

```
function changeFees(uint256 newLiqFee, uint256 newRewardFee, uint256 newMarketingFee) external
authorized {
        liquidityFee = newLiqFee;
        rewardsFee = newRewardFee;
        developmentFee = newMarketingFee;

        totalFee = liquidityFee.add(developmentFee).add(rewardsFee);
        totalFeeIfSelling = totalFee;

        require(totalFee <=25,"Fees too high");
}
```

Contract owner can burn tokens from specific wallet

```
function _burn(address account, uint256 amount) internal virtual {
        _balances[account] = _balances[account].sub(amount);
        _totalSupply -= amount;
        emit Transfer(account, address(0), amount);
}

function burn(uint256 amount) external {
        _burn(msg.sender, amount);
}
```

Contract owner can transfer ownership

```
function transferOwnership(address payable adr) public onlyOwner {
        owner = adr;
        authorizations[adr] = true;
        emit OwnershipTransferred(adr);
}

event OwnershipTransferred(address owner);
```

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 1 LOW issue during the first review.

TOKEN DETAILS

Details

Buy fees:	10%
Sell fees:	10%
Max TX:	1,000,000,000
Max Sell:	N/A

Honeypot Risk

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

Rug Pull Risk

Liquidity:	N/A
Holders:	Clean

SOULCIETY CLUB TOKEN TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

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

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

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

Rank	Address	Quantity (Token)	Percentage
1	0x4f31428f30ef91bb73a16aa232e7c8ab013495d3	1,000,000,000	100.0000%

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.