freshcoins

SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT

Vsing World

$VSINGWORLD

15/01/2022

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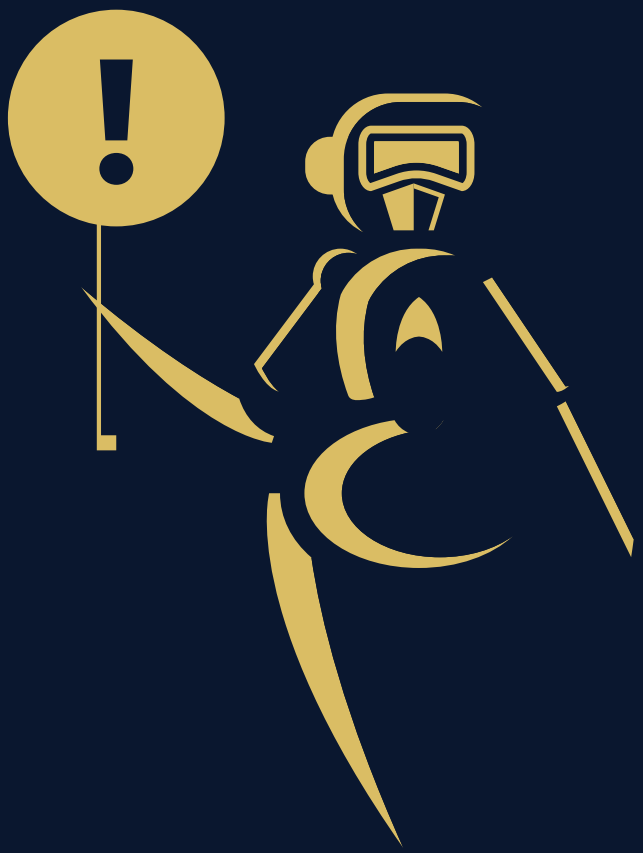
DISCLAIMER

The information provided on this analysis decoument 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
Vsing World (Customer) to conduct a Smart Contract Code Review
and Security Analysis.

0x7E4Ea4133e54AAd0622A6fcb4c045771A583fB2f

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 15/01/2022

WEBSITE DIAGNOSTIC

https://vsingworld.co/


0-49


50-89


90-100

Performance

Accessability

Best Practices

SEO

Progressive Web App

Metrics

First Contentful Paint
2.9 s

Time to interactive
7.4 s

Speed Index
7.2 s

Total Blocking Time
155 ms

Large Contentful Paint
11.3 s

Cumulative Layout Shift
0

Website Improvements

- Properly size images
- Eliminate render-blocking resources
- Reduce unused CSS
- Image elements do not have explicit width and height
- Ensure text remains visible during webfont load
- Background and foreground colors do not have a sufficient contrast ratio

AUDIT OVERVIEW

92

Security Score

90

Static Scan
Automatic scanning for common vulnerabilities

94

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 & multiple wallets from fees

```
function excludeFromFee(address account) public onlyOwner {
    _isExcludedFromFee[account] = true;
}

function includeInFee(address account) public onlyOwner {
    _isExcludedFromFee[account] = false;
}
.
.
.
function bulkExcludeFee(address[] memory accounts, bool state) external onlyOwner{
    for(uint256 i = 0; i < accounts.length; i++){
        _isExcludedFromFee[accounts[i]] = state;
    }
}
```

Contract owner can exclude/include wallet from reward

```
function excludeFromReward(address account) public onlyOwner() {
    require(!_isExcluded[account], "Account is already excluded");
    if(_rOwned[account] > 0) {
        _tOwned[account] = tokenFromReflection(_rOwned[account]);
    }
    _isExcluded[account] = true;
    _excluded.push(account);
}

function includeInReward(address account) external onlyOwner() {
    require(_isExcluded[account], "Account is not excluded");
    for (uint256 i = 0; i < _excluded.length; i++) {
        if (_excluded[i] == account) {
            _excluded[i] = _excluded[_excluded.length - 1];
            _tOwned[account] = 0;
            _isExcluded[account] = false;
            _excluded.pop();
            break;
        }
    }
}
```

Contract owner can change swap settings

```
function updateSwapEnabled(bool _enabled) external onlyOwner{
    swapEnabled = _enabled;
}
```

Contract owner can renounce ownership

```
function renounceOwnership() public virtual onlyOwner {
    _setOwner(address(0));
}
```

Contract owner can transfer ownership

```
function transferOwnership(address newOwner) public virtual onlyOwner {
    require(newOwner != address(0), "Ownable: new owner is the zero address");
    _setOwner(newOwner);
}
```

Contract owner is able to blacklist wallet(s)

```
function updateIsBlacklisted(address account, bool state) external onlyOwner{
    _isBlacklisted[account] = state;
}

function bulkIsBlacklisted(address[] memory accounts, bool state) external onlyOwner{
    for(uint256 i =0; i < accounts.length; i++){
        _isBlacklisted[accounts[i]] = state;

    }
}
```

Contract owner can change trading status

```
function setTradingStatus(bool state) external onlyOwner{
    tradingEnabled = state;
    swapEnabled = state;
    if(state == true && genesis_block == 0) genesis_block = block.number;
}
```

Contract owner can change the fees

```
function setTaxes(uint256 _rfi, uint256 _marketing, uint256 _liquidity, uint256 _dev) public onlyOwner {
    taxes = Taxes(_rfi,_marketing,_liquidity,_dev);
    emit FeesChanged();
}

function setSellTaxes(uint256 _rfi, uint256 _marketing, uint256 _liquidity, uint256 _dev) public onlyOwner {
    sellTaxes = Taxes(_rfi,_marketing,_liquidity,_dev);
    emit FeesChanged();
}
```

Contract owner can change max tx & max wallet amount

```
function updateMaxTxLimit(uint256 maxBuy, uint256 maxSell) external onlyOwner{
    maxBuyLimit = maxBuy * 10**decimals();
    maxSellLimit = maxSell * 10**decimals();
}

function updateMaxWalletlimit(uint256 amount) external onlyOwner{
    maxWalletLimit = amount * 10**decimals();
}
```

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:	500000000000000000000000000
Max Sell:	500000000000000000000000000

Honeypot Risk

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

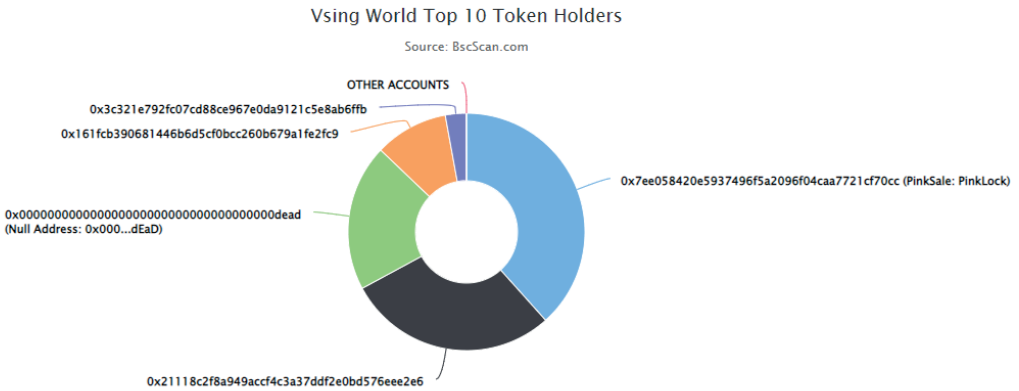
Rug Pull Risk

Liquidity:	N/A
Holders:	Clean

VSING WORLD TOKEN DISTRIBUTION & TOP 10 TOKEN HOLDERS

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

Token Total Supply: 1,000,000,000,000.00 Token | Total Token Holders: 5



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

Rank	Address	Quantity (Token)	Percentage
1	PinkSale: PinkLock	383,675,200,000	38.3675%
2	0x21118c2f8a949accf4c3a37ddf2e0bd576eee2e6	287,568,000,000	28.7568%
3	Null Address: 0x000...dEaD	200,000,000,000	20.0000%
4	0x161fcb390681446b6d5cf0bcc260b679a1fe2fc9	100,000,000,000	10.0000%
5	0x3c321e792fc07cd88ce967e0da9121c5e8ab6ffb	28,756,800,000	2.8757%

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.