



SMART CONTRACT CODE REVIEW AND SECURITY ANALYSIS REPORT



Ryzr
\$RYZR

17/10/2022



TOKEN OVERVIEW

Fees

- Buy fees: 5%
- Sell fees: 5%

Fees privileges

- Can set fees up to 10%

Ownership

- Owned

Minting

- No mint function

Max Tx Amount / Max Wallet Amount

- Can't set max tx amount and/or wallet limitations

Blacklist

- No blacklist function

Other privileges

- Can exclude from fees
-

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

0x6ee92abc43c625f8242d2b963b8402266a26e8b3

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 **17/10/2022**



AUDIT OVERVIEW



Security Score



Static Scan

Automatic scanning for common vulnerabilities



ERC Scan

Automatic checks for ERC's conformance



High



Medium



Low



Optimizations



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't exclude an address from transactions
- Contract owner can exclude/include wallet from fees

```
function setIsFeeExempt(address holder, bool exempt) external onlyAdmin {
    isFeeExempt[holder] = exempt;
    emit UpdatedSettings(
        exempt ? "Fees Removed" : "Fees Enforced",
        [Log(toString(abi.encodePacked(holder)), 1), Log("", 0), Log("", 0)]
    );
}
```

- Contract owner has to call **openTrading** function to enable trade

```
function openTrading(uint256 _deadBlocks) external onlyAdmin {
    require(!tradingOpen && _deadBlocks < 7);
    deadBlocks = _deadBlocks;
    unlockTime = block.timestamp;
    tradingOpen = true;
    launchedAt = block.number;
}
```

- Contract owner can change swap settings

```
function setSwapBackSettings(
    bool _enabled,
    bool _processEnabled,
    uint256 _denominator
) external onlyAdmin {
    require(_denominator > 0);
    swapEnabled = _enabled;
    processEnabled = _processEnabled;
    swapThreshold = _totalSupply / _denominator;
    emit UpdatedSettings(
        "Swap Settings",
        [
            Log("Enabled", _enabled ? 1 : 0),
            Log("Swap Amount", swapThreshold),
            Log("Auto-processing", _processEnabled ? 1 : 0)
        ]
    );
}
```


● Contract owner can set fees up to 10%

```
function setFees(uint256 _marketingFee, uint256 _feeDenominator)
    external
    onlyAdmin
{
    marketingFee = _marketingFee;
    totalFee = _marketingFee;
    feeDenominator = _feeDenominator;
    require(totalFee < feeDenominator / 10);
    emit UpdatedSettings(
        "Fees",
        [
            Log(
                "Marketing Fee Percent",
                ((totalFee * 100) / feeDenominator
            ),
            Log("Total Fee Percent", ((totalFee * 100) / feeDenominator),
            Log("Fee Denominator", feeDenominator)
        ]
    );
}
```

● Contract owner can change **marketingFeeReceiver** address

Current value

marketingFeeReceiver : 0x49c90f641df9c7aeb79186fef9d35836528ddcbc

```
function setFeeReceivers(address _marketingFeeReceiver) external onlyAdmin {
    marketingFeeReceiver = payable(_marketingFeeReceiver);
    emit UpdatedFeeReceiver(
        "Fee Receiver",
        [
            Log(
                concatenate(
                    "Marketing Receiver: ",
                    toString(abi.encodePacked(_marketingFeeReceiver))
                ),
                1
            ),
            Log("", 0)
        ]
    );
}
```

● Contract owner can renounce ownership

```
function renounceAdminRole() public virtual onlyAdmin {
    emit AdminRoleTransferred(_admin, address(0));
    _admin = address(0);
}
```

● Contract owner can transfer ownership

```
function transferAdminRole(address newAdmin) public virtual onlyAdmin {  
    require(  
        newAdmin != address(0),  
        "Administration: new admin is the zero address"  
    );  
    emit AdminRoleTransferred(_admin, newAdmin);  
    _admin = newAdmin;  
}
```

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 no HIGH issues 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

Others

Liquidity:	N/A
Holders:	Clean



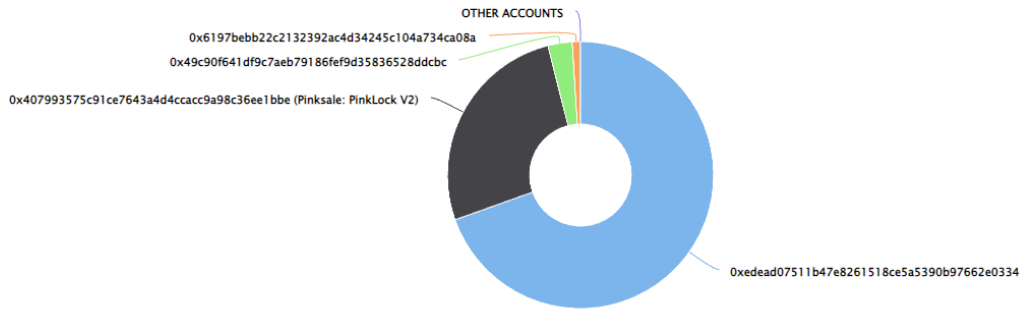
RYZR TOKEN ANALYTICS & TOP 10 TOKEN HOLDERS

The top 10 holders collectively own 100.00% (100,000,000.00 Tokens) of Ryzr

Token Total Supply: 100,000,000.00 Token | Total Token Holders: 4

Ryzr Top 10 Token Holders

Source: BscScan.com



(A total of 100,000,000.00 tokens held by the top 10 accounts from the total supply of 100,000,000.00 token)

Rank	Address	Quantity (Token)	Percentage
1	0xdead07511b47e8261518ce5a5390b97662e0334	69,565,400	69.5654%
2	Pinksale: PinkLock V2	26,505,004.3	26.5050%
3	0x49c90f641df9c7aeb79186fef9d35836528ddcbc	2,929,595.7	2.9296%
4	0x6197bebb22c2132392ac4d34245c104a734ca08a	1,000,000	1.0000%

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.

