

CRYOGEN
SMART CONTRACT CODE
REVIEW AND SECURITY
ANALYSIS REPORT



Client: YoCoin (YOCO)

Prepared on: 7/15/2022

Platform: Binance Smart Chain

Language: Solidity

Client: YoCoin (YOCO)

Title: Smart Contract & Security Audit Report

Contract Audited:

<https://bscscan.com/address/0xdd17629d05e068a9d118ee35d11101d4140d0586#code>

Audit Version: 1.0 Final

Author/Auditor: J Stubblefield

Classification: Public

Further Contact

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Introduction

Given the opportunity to review the source code of the YoCoin token contract (0xDd17629D05E068A9D118ee35d11101d4140D0586), we outline in this report our systematic method to evaluate potential security issues in the smart contract implementation, expose possible semantic inconsistency between smart contract code and the documentation, and provide additional suggestions or recommendations for improvement.

Our results show that the given version of the smart contract, security and performance is above standard for this type of BEP-20 token project. This document outlines our audit results.

YoCoin Description

A safe, secure, Eco-friendly, DeFi cryptocurrency with the lowest trading fees available as well as automatic rewards for holders. YoCoin is a 100% community driven and fair launched global payments system that features protocol static rewards and dynamic DeFi liquidity.

Future proofed for safety and success, YoCoin aims to be one of the safest long term stores of value.

- 1% redistributed back to all holders with no minimum hold needed.
- 1% is automatically burned to the “Zero Address” by the immutable smart contract
- 1% redistributed to the owner wallet (0x7d3596f49f435f76ecd4964a7281ba9d8de5fd69) for development & marketing expenses

Audit Findings

During the first phase of our audit, we study the smart contract source code and run our in-house static code analyzer through the codebase.

The purpose here is to statically identify known coding bugs, and then manually verify (reject or confirm) issues reported by our tool.

We further manually review business logic, examine system operations, and place ERC20-related aspects under scrutiny to uncover possible pitfalls and/or bugs

Summary Of Severity Levels Observed

Critical: 0

High Severity: 0

Medium Severity: 0

Low Severity: 1

Informational Only: 1

Total 2

1. **(LOW SEVERITY)** The functions `includeInReward()` & `_getCurrentSupply` scans through all current holder addresses to find any that may have been excluded from rewards distribution. In doing so, if the list is very long, a possible `OUT_OF_GAS` error could potentially happen.

2. **(INFORMATIONAL ONLY)** The contract has a floating pragma `^0.8.2`; Contracts should be deployed with the same compiler version that they have been tested with thoroughly. **Informational due to the contract already being deployed.**

BEP20 STANDARDS COMPLIANCE CHECKS

name() Is declared as a public view function ✓

symbol() Is declared as a public view function ✓

decimals() Is declared as a public view function ✓

totalSupply() Is declared as a public view function ✓

balanceOf() Is declared as a public view function ✓

allowance() Is declared as a public view function ✓

Transfer()

Is declared as a public function ✓

Returns a boolean value which accurately reflects the token transfer status ✓

Reverts if the caller does not have enough tokens to spend ✓

Allows zero amount transfers ✓

Emits Transfer() event when tokens are transferred successfully (include 0 amount transfers) ✓

Reverts while transferring to zero address ✓

BEP20 STANDARDS COMPLIANCE CHECKS (Continued)

transferFrom()

Is declared as a public function ✓

Returns a boolean value which accurately reflects the token transfer status ✓

Reverts if the caller does not have enough tokens to spend ✓

Updates the spender's token allowances when tokens are transferred successfully ✓

Emits Transfer() event when tokens are transferred successfully (include 0 amount transfers) ✓

Reverts while transferring to zero address ✓

approve()

Is declared as a public function ✓

Returns a boolean value which accurately reflects the token approval status ✓

Reverts while transferring from zero address ✓

Reverts while transferring to zero address ✓

approval() event

Is emitted on any successful call to approve() ✓

YOCOIN CONTRACT FEATURES

Deflationary Part of the tokens are burned or transferred as a fee while on `transfer()`/`transferFrom()` calls

Rebasing The `balanceOf()` function returns a re-based balance instead of the actual stored amount of tokens owned by the specific address

Pausable The token contract allows the owner or privileged users to pause the token transfers and other operations

Blacklistable The token contract allows the owner or privileged users to blacklist a specific address such that token transfers and other operations related to that address are prohibited.

Mintable The token contract allows the owner or privileged users to mint tokens to a specific address

Burnable The token contract allows the owner or privileged users to burn tokens of a specific address

Transferable The contract ownership can be transferred to another wallet address

Renouncable The contract ownership can be renounced never to be owned by any other wallet address

Fees Updateable The token fees are allowed to be changed by the contract owner

CONCLUSION:

YoCoin has proven to the Cryogen team to be trustworthy in their dealings concerning their project. We have spoken to them on numerous occasions (Thru numerous social platforms and by private telephone conference) and have always gotten prompt and truthful answers to any of our queries.

This is not an endorsement or financial advice!

This statement merely solidifies our findings of YoCoin being a trustworthy project at the time of this audit. Always do your due diligence and stay on top of your investments as things can always change.

In the event of something negative coming to light concerning YoCoin, Cryogen reserves the right to redact this audit in its entirety along with removing YoCoin from any utilities that Cryogen owns or is associated with.