

Golden Goose

Audit Report

May 2021

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Overview

Golden Goose is an ERC20 compatible token with token transfer, hold token, check balance functionality. This contract follows all ERC20 Standard protocols. Smart contract checks all the balances, addresses before performing any operation.

This smart contract is designed with ownable functions to manage the owner of the smart contract.

Tokens are compatible with all types of ETH supporting wallets. These tokens can be used on all standard trading, staking or exchange platforms.

Project Engagement

During May of 2021, **Golden Goose** engaged Solidproof.io to audit smart contracts that they created. The engagement was technical in nature and focused on identifying security flaws in the design and implementation of the contracts. **Golden Goose** provided Solidproof.io with access to their code repository and whitepaper.

Description

The world's largest cryptocurrency mining center and global cryptocurrency exchange project that uses Paraguay's cheap and clean electricity. The Golden Goose team has procured a 250,000m² site for the world's largest mining center and a 500MW substation near the Itaipu Hydro Power Plant in Ciudad del Este, Paraguay, which is the largest clean energy producer in the world as well.

Logo



Contract Link

<https://etherscan.io/address/0x40d1f63b5d2048e67e9bedb1b4c2f1a9fb4b6817#code>

Audit Details and Target

Target of the Audit

The scope of this audit was to analyse **Golden Goose** smart contracts codebase for quality, security, and correctness.

Checked Vulnerabilities

The smart contract is scanned and checked for multiple types of possible bugs and issues. This mainly focuses on issues regarding security, attacks, mathematical errors, logical and business logic issues.

The results are shown on the results page.

Techniques and Methods

Structual Analysis

In this step we have analyzed the design patterns and structure of smart contracts. A thorough check was done to ensure the smart contract is structured in a way that will not result in future problems.

Static Analysis

Static Analysis of Smart Contracts was done to identify contract vulnerabilities. In this step a series of automated tools are used to test security of smart contracts.

Manual Analysis

Manual Analysis or review of code was done to identify new vulnerability or verify the vulnerabilities found during the static analysis. Contracts were completely manually analyzed, their logic was checked and compared with the one described in the whitepaper. Besides, the results of automated.

Gas Consumption

In this step we have checked the behaviour of smart contracts in production. Checks were done to know how much gas gets consumed and possibilities of optimization of code to reduce gas consumption.

Tools and Platforms used for Audit

Remix IDE, Truffle, Mythril, Slither, SmartCheck.

Audit Results

Audit passed

Issue Categories

High severity Issue

In this step we have analyzed the design patterns and structure of smart contracts. A thorough check was done to ensure the smart contract is structured in a way that will not result in future problems.

Medium level severity Issue

Static Analysis of Smart Contracts was done to identify contract vulnerabilities. In this step a series of automated tools are used to test security of smart contracts.

Low level severity Issue

Manual Analysis or review of code was done to identify new vulnerability or verify the vulnerabilities found during the static analysis. Contracts were completely manually analyzed, their logic was checked and compared with the one described in the whitepaper. Besides, the results of automated.

Issues found

| | High level | Medium level | Low level |
|--------|------------|--------------|-----------|
| Open | 0 | 0 | 0 |
| Closed | 0 | 0 | 0 |

Detailed Information for may found issues are in the Audit Protocol

Informational

- No informational comments -

Summary

The contract does not contain issues of high or medium criticality and it's safe to deploy.

Attachments

1. Passed Audit Certificate
2. Audit Protocol

Disclaimer

This Solidproof audit is not a security warranty, investment advice, or an endorsement of the audited platform. This audit does not provide a security or correctness guarantee of the audited smart contracts. The statements made in this document should not be interpreted as investment or legal advice, nor should its authors be held accountable for decisions made based on them. Securing smart contracts is a multistep process. One audit cannot be considered enough. We recommend that the Team put in place a bug bounty program to encourage further analysis of the smart contract by other third parties.

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