



PulseMoon Smart Contract Audit

November 17, 2021

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Smart Contract - Audit Overview

A general overview of our findings. This includes the project summary, the audit summary, and the vulnerabilities summary.

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Smart Contract - Contract Overview

A general overview of our findings. This includes contract name, ticker, addresses, token holders/transfers etc.

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Smart Contract - Vulnerabilities

We cover the majority of the vulnerabilities found in the SWC registry and lay them out in an easy-to-read table. Aside from the SWC Registry, we also conduct a line-by-line analysis to watch for common errors and exploits.

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Smart Contract – Code Analysis

The code analysis is the complete overview of the vulnerabilities assessment showing all the issues we found whether they are low severity or high severity.

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Contract Ownership & Mint Function

Investors need to know what role the project owners play in ability to change features and settings within the contract. In this section we take a deep dive into ownership privileges and ability to mint new tokens.

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Smart Contract - Tokenomics

Tokenomics vary by each project, that come in the form of a tax per each transfer. Most common tax transfers are seen as rewards, liquidity, marketing, burns/buybacks.

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Token Holdings & Analytics

An easy way to spot risk is to take a look at the top token holders. We list them out for you to review for yourself. All data is provided by block explorer sites.

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Team Overview

The captain is the most important part of the ship. This section takes a look at the team – whether they are anonymous or public and provides all the information we can get our hands on.

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Smart Contract – Audit Overview






Project Summary

Project Name	PulseMoon
Platform	Binance Smart Chain
Language	Solidity
Commits	0x67efde48f3d64d9fc5493258a75b43ce3e3f5425

Audit Summary

Delivery Date	November 17, 2021
Method of Audit	Human and AI
Consultants Engaged	One
Timeline	November 17, 2021 – November 17, 2021

Vulnerability Summary

Vulnerability Level	Total	Resolved
 Critical	0	✓
 Major	0	✓
 Medium	0	✓
 Minor	1	X
 Informational	1	X

Smart Contract - Contract Overview

All information is recorded as of 11/17/2021.

Contract Name	CoinToken.sol
Contract Ticker	PulseMoon
Contract Address	0x67efde48f3d64d9fc5493258a75b43ce3e3f5425
Contract Creator	0x21F3A03eD4CBa9ac80c2C109e7dbaF493440De22
Decimals	9
Total Supply	1,000,000,000
Token Holders	1,792
Token Transfers	13,461
Compiler Version	v0.8.4+commit.c7e474f2
Source Code	Solidity
Optimization Enabled	Yes with 200 runs
Other Settings	default evmVersion, None license

Smart Contract - Vulnerabilities

Vulnerability Tested	Human Review	Ai Review	Lines Affected	Results
Function Default Visibility				
Integer Overflow and Underflow				
Outdated Compiler Version				
Floating Pragma			L7	
Unchecked Call Return Value				
Unprotected Ether Withdrawal				
Unprotected SELFDESTRUCT Instruction				
Unencrypted Private Data On-Chain				

Smart Contract - Vulnerabilities

Vulnerability Tested	Human Review	Ai Review	Line(s) Affected	Results
Reentrancy				
State Variable Default Visibility			L462	
Uninitialized Storage Pointer				
Assert Violation				
Use of Deprecated Solidity Functions				
Delegatecall to Untrusted Callee				
DoS with Failed Call				
Code With No Effects				

Smart Contract - Vulnerabilities

Vulnerability Tested	Human Review	Ai Review	Line(s) Affected	Results
Transaction Order Dependence				
Authorization through tx.origin				
Block values as a proxy for time				
Signature Malleability				
Incorrect Constructor Name				
Shadowing State Variables				
Weak Sources of Randomness from Chain Attributes				

Smart Contract - Vulnerabilities

Vulnerability Tested	Human Review	Ai Review	Line(s) Affected	Results
Missing Protection against Signature Replay Attacks				
Lack of Proper Signature Verification				
Requirement Violation				
Write to Arbitrary Storage Location				
Incorrect Inheritance Order				
Insufficient Gas Griefing				
Arbitrary Jump with Function Type Variable				

Smart Contract - Vulnerabilities

Vulnerability Tested	Human Review	Ai Review	Line(s) Affected	Results
DoS With Block Gas Limit				
Typographical Error				
Right-To-Left-Override control character				
Presence of unused variables				
Unexpected Ether balance				
Hash Collisions With Multiple Variable Length Arguments				
Message call with hardcoded gas amount				

Smart Contract - Code Analysis

Floating Pragma
Severity: **Informational**
CoinToken.sol
Line: 7

The current pragma Solidity directive is ""^0.8.4"". It is recommended to specify a fixed compiler version to ensure that the bytecode produced does not vary between builds. This is especially important if you rely on bytecode-level verification of the code.

```
5 // SPDX-License-Identifier: Unlicensed
6
7 pragma solidity ^0.8.4;
8
9 interface IERC20 {
```

State variable visibility is not set
Severity: **Minor**
CoinToken.sol
Line: 462

It is best practice to set the visibility of state variables explicitly. The default visibility for "inSwapAndLiquify" is internal. Other possible visibility settings are public and private.

```
460 IUniswapV2Router02 public uniswapV2Router;
461 address public uniswapV2Pair;
462 bool inSwapAndLiquify;
463 bool public swapAndLiquifyEnabled = true;
464 uint256 public _maxTxAmount;
```

Smart Contract – Mint function

This contract cannot mint new PulseMoon.
We were unable to locate a mint function that
is used to mint new PulseMoon tokens.



Smart Contract – Contract Ownership

Contract ownership
has not been
renounced at the time
of the audit. The
owner's address is
shown as:

**0x21f3a03ed4cba9ac
80c2c109e7dbaf493
440de22**

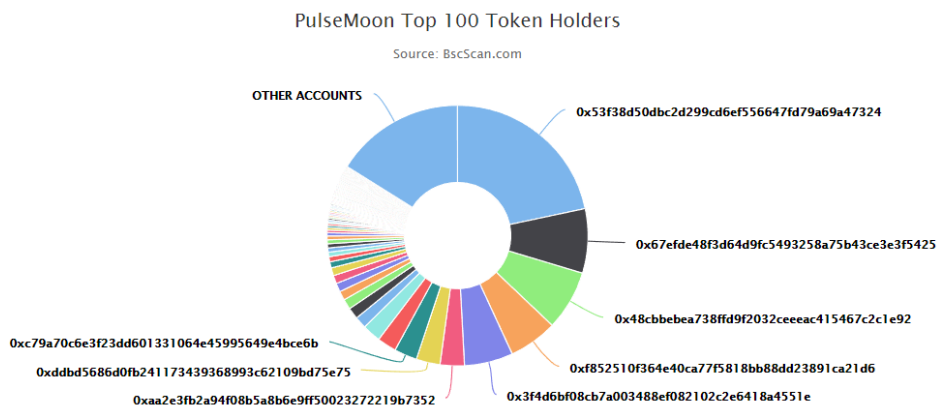
Smart Contract - Tokenomics

At the time of Audit the transaction fees ("tax") listed below are the fees associated with trading. These fees are taken from every buy and sell transaction unless otherwise stated. Token taxes vary by each project.

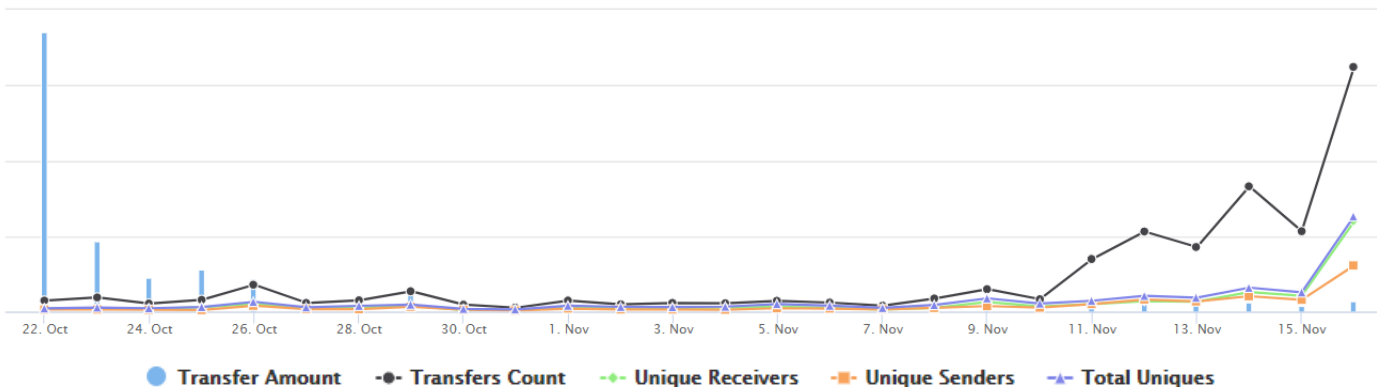


Token Holders & Contract Analytics

Top 100 Token Holders



Token Contract Analytics

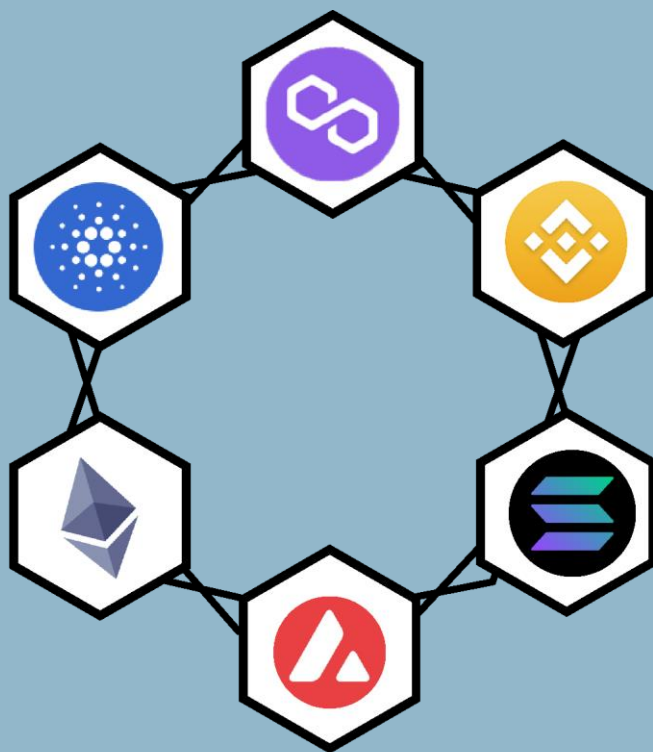


Team Overview



KYC CERTIFIED

Audits.finance has successfully completed KYC for the project. Audits.finance has verified the identity of 1 team member(s) with government issued ID and photo evidence to match. Project is currently located within Europe.



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