OXSCANS

Cloudnet Ai

AI Generated at 06:28 PM, +0000

March 29, 2024

OVERVIEW

This audit has been perpared for 'Cloudnet Ai' to review the main aspects of the project to help investors make an informative decision during their research process

You will find a summarized review of the following key points:

- Contract's source code
- Owner wallets
- Tokenomics
- Team transparency and goals
- Website's age, code, security and UX
- Whitepaper and roadmap
- Social media and online presence

Table of Content

General Information

Cloudnet Ai

Cloudnet AI plays a crucial role in bridging traditional cloud computing with the Web3 era's unique demands, employing AI and machine learning to enhance efficiency and security.

Name **Cloudnet Ai**

General Information

Tokenomics

Contract Address 0x1b78ffbc66139466c4a432f763afce8d4c991060

General Analysis

Audit Review Process

1. Testing the smart contracts against both common and uncommon vulnerabilities
2. Assessing the codebase to ensure compliance with current best practices and industry standards
3. Ensuring contract logic meets the specifications and intentions of the client
4. Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders
5. Thorough line-byline AI review of the entire codebase by industry

Token Transfer Stats

Transactions (Latest Mine Block)	Token holders	Compiler
1	618	v0.8.19

Smart Contract Stats

Functions	Events	Constructor
19	6	1

Detail Analysis

Threat Level

High	Issues on this level are critical to the smart contract's performace/functionality and should be fixed before moving to a live enviroment
Medium	Issues on this level are critical to the smart contract's performace/functionality and should be fixed before moving to a live enviroment
Low	Issues on this level are minor details and warning that can remain unfixed
Informational	Informational level is to offer suggestions for improvement of efficacy or secruity for fratures with risk free factor

Threat Level

High	**1** threats found
Medium	**0** threats found
Low	**0** threats found
Informational	**0** threats found

Detail Analysis

Vulnerability Check

20 Passed | 1 Fail

Reentrancy	Flash Loans	Unused Code	Sybil Attack
Front Running	Oracle Issues	Logical Issues	
Compiler Issues	Improper Events	Race Conditions	
Unbounded Loops	Signature Issues	Ether/Token Theft	
Integer Over/Underflow	Overall Contract Safety		
Centralization of Control	Outdated Compiler Version		
Arbitrary Jump/Storage Write	Improper Authorization Scheme		
Delegate Call to Untrusted Contract	Dependence on Predictable Variables		

Detail Analysis

Detail Analysis

20 Passed 1 Fail

CATEGORY	STATUS	NOTES
Reentrancy	●	The contract's functions are structured in a way that avoids reentrancy vulnerabilities.
Flash Loans	●	The contract does not interact with flash loan functions, making it unaffected by flash loan attacks.
Unused Code	●	The contract's code does not contain redundant or unused code, ensuring efficiency and reducing attack surface.
Sybil Attack	●	The nature of the contract does not make it susceptible to Sybil attacks.
Front Running	●	The contract may be susceptible to front-running attacks, as there are no mechanisms in place to prevent them, such as using an oracle for price feeds.

Detail Analysis

Detail Analysis

20 Passed

1 Fail

CATEGORY	STATUS	NOTES
Oracle Issues		The contract does not interact with oracles, thus not exposing it to oracle-related risks.
Logical Issues		No apparent logical issues or inconsistencies detected in the contract logic.
Compiler Issues		Compiled with a recent Solidity version (0.8.19) without optimization issues, reducing the risk of known compiler issues.
Improper Events		All critical functions emit events correctly, providing transparency and traceability.
Race Conditions		No functions or patterns were found that could lead to race conditions.
Unbounded Loops		All loops in the contract have bounded conditions, avoiding risks of gas limit issues or denial-of-service.

Detail Analysis

Detail Analysis

20 Passed 1 Fail

CATEGORY	STATUS	NOTES
Signature Issues		The contract does not rely on external signatures, hence is not exposed to signature-related risks.
Ether/Token Theft		No functions are present that directly transfer Ether or tokens to arbitrary addresses in an unauthorized manner.
Integer Over/Underflow		SafeMath library is used consistently for arithmetic operations, mitigating risks of overflows and underflows.
Overall Contract Safety		The contract follows general best practices and does not exhibit critical vulnerabilities. It is designed to be safe with a dead contract owner.
Centralization of Control		No risk of centralization as contract owner is a dead address, eliminating control by any entity.
Outdated Compiler Version		The contract uses a recent Solidity compiler version (0.8.19), which is not outdated.

Detail Analysis

Detail Analysis

20 Passed

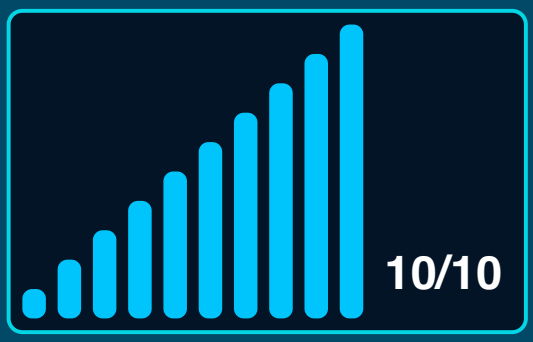
1 Fail

CATEGORY	STATUS	NOTES
Arbitrary Jump/Storage Write		The contract does not exhibit arbitrary jumps or storage writes, as it adheres to standard Solidity development patterns.
Improper Authorization Scheme		Contract uses standard OpenZeppelin Ownable for authorization, which is a generally accepted practice and there is no owner since it's a dead address.
Delegate Call to Untrusted Contract		There is no use of delegatecall to an untrusted contract, mitigating risks associated with delegate calls.
Dependence on Predictable Variables		The contract does not rely on variables like block.timestamp or block.number in a way that affects core functionalities or security.

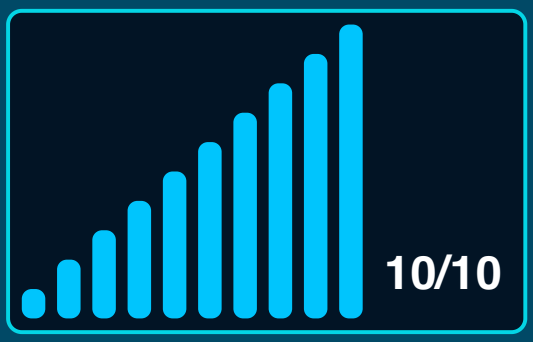
Market Analysis

Score

Total Audit Score



Security Score



Legal Disclaimer

0xscans operates as an automated system for smart contract due diligence, acknowledging the possibility of bugs or vulnerabilities impacting token values. We do not hold specific obligations regarding your trading outcomes or the utilization of audit content. Users release 0xscans from any liability associated with content obtained through the tool.

AI generated by 0xscans AI technology

Chat with us

Telegram

For more information. Visit below:

Twitter

Github