



OXSCANS

NodeSynapse

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OVERVIEW

This audit has been prepared for 'NodeSynapse' 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

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General Information

NodeSynapse

Name

NodeSynapse

Category

Ethereum Ecosystem

Info

[Website](#)

[Telegram Bot](#)

General Information

Tokenomics

Ticker 0X30672AE2680C319EC1028B69670A4A786BAA0F35

Network Ethereum

Contract Address 0x30672AE2680c319ec1028B69670A4a786baA0f35

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)



1

Token holders



1421

Compiler



v0.8.20

Smart Contract Stats

Functions



22

Events



4

Constructor



1

Detail Analysis

Threat Level



High

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment



Medium

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment



Low

Issues on this level are minor details and warnings that can remain unfixed



Informational

Informational level is to offer suggestions for improvement of efficacy or security for features with risk-free factors

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



Arbitrary Jump/Storage Write



Centralization of Control



Compiler Issues



Delegate Call to Untrusted Contract



Dependence on Predictable Variables



Ether/Token Theft



Flash Loans



Front Running



Improper Events



Improper Authorization Scheme



Integer Over/Underflow



Logical Issues



Oracle Issues



Outdated Compiler Version



Race Conditions



Reentrancy



Signature Issues



Sybil Attack



Unbounded Loops



Unused Code



Overall Contract Safety

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.
Centralization of Control		No risk of centralization as the contract owner is a dead address, eliminating risks associated with owner privileges.
Compiler Issues		Compiled with a recent Solidity version (0.8.20) with no known compiler issues.
Delegate Call to Untrusted Contract		There is no use of delegatecall, which eliminates risks associated with delegate calls to untrusted contracts.
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.

Detail Analysis

Detail Analysis



20 Passed



1 Fail

CATEGORY	STATUS	NOTES
Ether/Token Theft		No functions are present that directly transfer Ether or tokens to arbitrary addresses in an unauthorized manner.
Flash Loans		The contract does not interact with flash loan functions, making it unaffected by flash loan attacks.
Front Running		The contract may be susceptible to front-running attacks, as it does not implement mechanisms like transaction ordering or slippage protection.
Improper Events		All critical functions emit events correctly, providing transparency and traceability.
Improper Authorization Scheme		The authorization scheme is not a concern due to the owner being a dead address, thus no central user control exists.
Integer Over/Underflow		The use of SafeMath library ensures that arithmetic operations are safe from overflows and underflows.

Detail Analysis

Detail Analysis



20 Passed



1 Fail

CATEGORY	STATUS	NOTES
Logical Issues		No apparent logical issues or inconsistencies in the contract logic.
Oracle Issues		The contract does not interact with oracles, thus not exposing it to oracle-related risks.
Outdated Compiler Version		The contract uses a recent Solidity compiler version (0.8.20), which is not outdated.
Race Conditions		No functions or patterns were found that could lead to race conditions.
Reentrancy		The contract's functions are structured in a way that avoids reentrancy vulnerabilities.
Signature Issues		The contract does not rely on external signatures, hence is not exposed to signature-related risks.

Detail Analysis

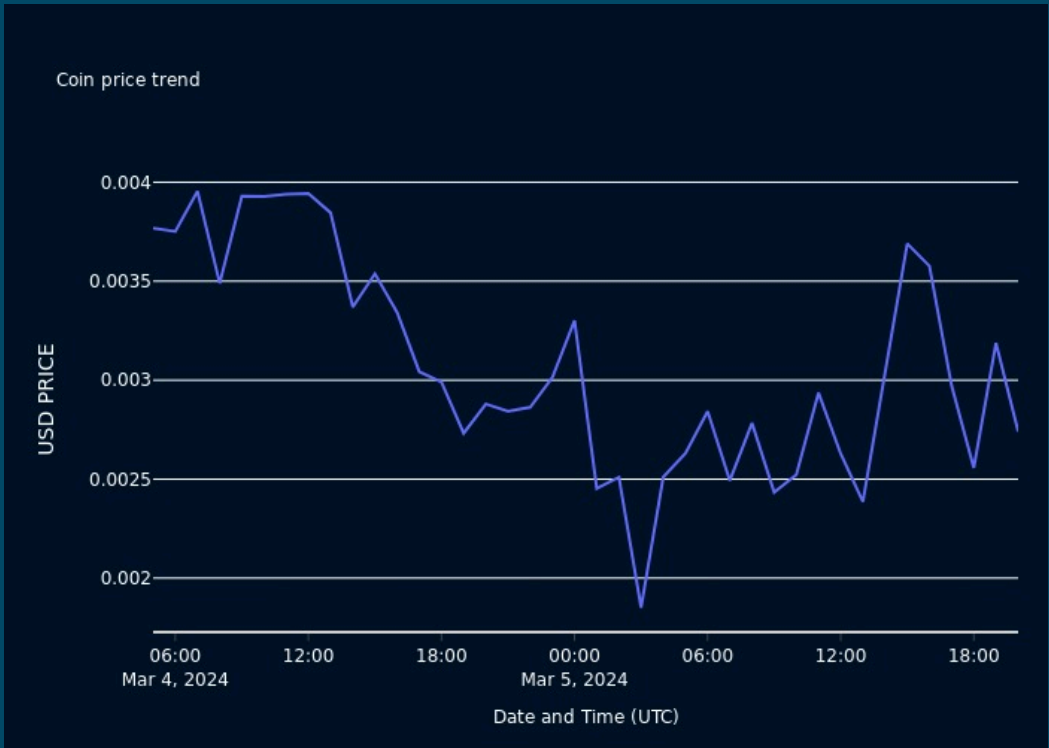
Detail Analysis

20 Passed

1 Fail

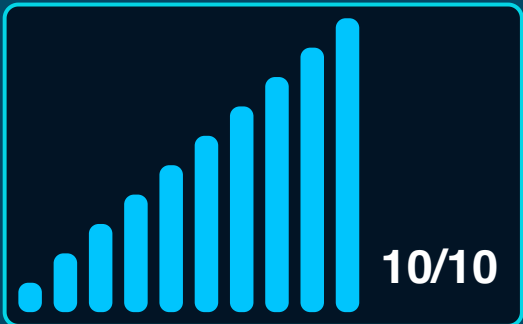
CATEGORY	STATUS	NOTES
Sybil Attack	<div></div>	The nature of the contract does not make it susceptible to Sybil attacks.
Unbounded Loops	<div></div>	All loops in the contract have bounded conditions, avoiding risks of gas limit issues or denial-of-service.
Unused Code	<div></div>	The contract's code does not contain redundant or unused code, ensuring efficiency and reducing attack surface.
Overall Contract Safety	<div></div>	The contract follows general best practices and does not exhibit critical vulnerabilities, though improvements are suggested in front-running protection.

Market Analysis

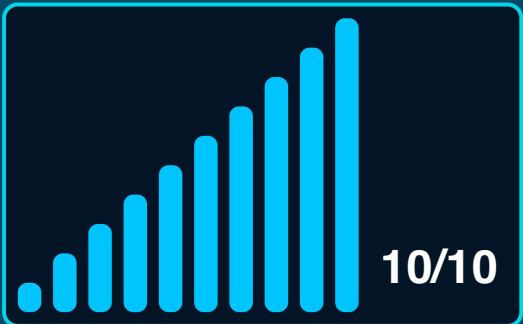


Score

Total Audit Score



Security Score





Legal Disclaimer

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