OXSCANS

Syntax AI

OVERVIEW

This audit has been perpared for **'Syntax 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

Syntax AI

Name   **Syntax AI**

Info

General Information

Tokenomics

Contract Address 0x794fcee2c16e9495c3f590958b1209400751ba80

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

541

Compiler

v0.8.20

Smart Contract Stats

Functions

42

Events

6

Constructor

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 | **0** threats found |

| ● Medium | **4** threats found |

| ● Low | **2** threats found |

| ● Informational | **2** threats found |

Detail Analysis

Vulnerability Check   ● 15 Passed   ● 6 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● Logical Issues   ● Oracle Issues   ● Outdated Compiler Version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 🟢 15 Passed 🔴 6 Fail

CATEGORY	STATUS	NOTES
Arbitrary Jump/Storage Write	🟢	No arbitrary jumps or storage writes detected, standard ERC20 and Ownable patterns used.
Centralization of Control	🟢	No risk of centralization as the owner is a dead address, eliminating the risk of unilateral control.
Compiler Issues	🟢	Compiled with a recent Solidity version (v0.8.20) without known compiler issues.
Delegate Call to Untrusted Contract	🟢	No delegate calls to external contracts present in the contract.
Dependence on Predictable Variables	🟢	No critical dependence on variables like block.timestamp or block.number.

Detail Analysis

Detail Analysis   🟢 15 Passed   🔴 6 Fail

CATEGORY	STATUS	NOTES
Ether/Token Theft	🟢	Standard ERC20 transfer mechanisms, no functions that could lead to Ether or token theft.
Flash Loans	🟢	Flash loan attack vectors not applicable, no external calls or token price dependencies.
Front Running	🔴	Functions such as trading and swapping could be susceptible to front-running due to public visibility and transfer mechanics.
Improper Events	🟢	All external state-changing functions emit appropriate events.
Improper Authorization Scheme	🟢	No improper authorization scheme detected, the owner is a dead address which mitigates the risk.
Integer Over/Underflow	🟢	Solidity 0.8.20 inherently protects against integer overflow and underflow.

Detail Analysis

Detail Analysis ● 15 Passed ● 6 Fail

| CATEGORY	STATUS	NOTES
Logical Issues	●	Logic appears sound, but some custom functions like 'enableTrading' and 'swapBack' need careful review to ensure they behave as intended.
Oracle Issues	●	No external oracles or dependencies on off-chain data.
Outdated Compiler Version	●	Compiled with a recent and stable version of Solidity.
Race Conditions	●	Potential for race conditions in functions like 'transfer' and 'approve', common in ERC20 tokens.
Reentrancy	●	No external calls that could lead to reentrancy attacks.
Signature Issues	●	No signature-based functionalities in the contract.

Detail Analysis

Detail Analysis 🟢 15 Passed 🔴 6 Fail

CATEGORY	STATUS	NOTES
Sybil Attack	🔴	While not directly vulnerable, ERC20 tokens can potentially be affected by sybil attacks in broader ecosystem.
Unbounded Loops	🟢	No unbounded loops that could lead to gas limit issues.
Unused Code	🔴	Some code paths are not used in current contract logic but do not pose a risk.
Overall Contract Safety	🔴	While the contract follows common ERC20 and Ownable patterns, the presence of a dead address owner and potential logical issues warrant caution.

Market Analysis

Score

Total Audit Score

9/10

Security Score

9/10
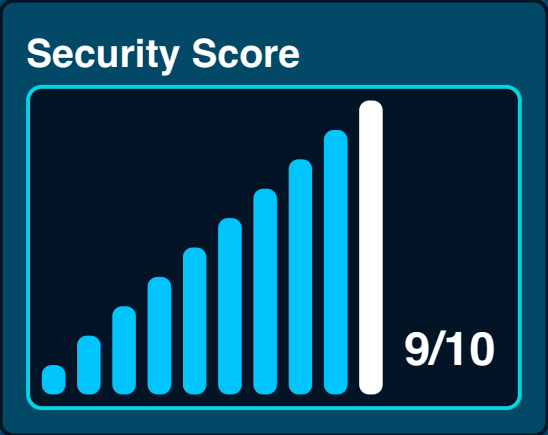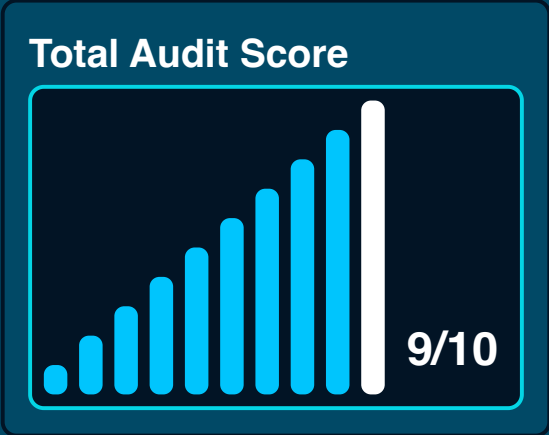
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