expelee

Building the Futuristic **Blockchain Ecosystem**

Audit Report
FOR

Move to Earn X

OVERVIEW

The Expelee team has performed a line-by-line manual analysis and automated review of the smart contract. The smart contract was analysed mainly for common smart contract vulnerabilities, exploits, and manipulation hacks. According to the smart contract audit:

🔍	**Audit Result**	**Passed**
🧑‍🔍	**KYC Verification**	**Done**
📅	**Audit Date**	**20 Sep 2022**

Why Passed with High risk?

MOVEX is a simple ERC20 token with no additional functionality, there is a mint function in the contract but since ownership is renounced no one is able to use that function.

-Team Expelee

PROJECT
DESCRIPTION

Move to Earn X

MOVEX is a web3 fitness and lifestyle mobile app. Where you can earn rewards just by movement like walking, running and cycling Movex is a MOVE to EARN X Project Not just walking or running! Earn movex by moving your arm even while drinking a glass of water or a coke!.

🌐 movetoearnx.online

✈ movextoken

🐦 cryptogods777

It's always good to check the social profiles of the project, before making your investment.

-Team Expelee

CONTRACT DETAILS

Contract Name
BEP20 TOKEN

Token Type
ERC20

Network
BSC

Language
Solidity

Contract Address (Verified)
0x03c7f3AF2C8E74B19AB93a783885d166d3740d38

Total Supply
100,000,000

Decimals
18

Compiler
v0.5.16+commit.9c3226ce

License
Default license

Contract SHA-256 Checksum:
4e568e0dd3be7d91d0ef5a8caa2e5593d8cf3b2a96bc3d3459411e909a175294

Token Name
Move to Earn X

Token Symbol
MOVEX

AUDIT METHODOLOGY

Audit Details

Our comprehensive audit report provides a full overview of the audited system's architecture, smart contract codebase, and details on any vulnerabilities found within the system.

Audit Goals

The audit goal is to ensure that the project is built to protect investors and users, preventing potentially catastrophic vulnerabilities after launch, that lead to scams and rugpulls.

Code Quality

Our analysis includes both automatic tests and manual code analysis for the following aspects:
- Exploits
- Back-doors
- Vulnerability
- Accuracy
- Readability

Tools

- DE
- Open Zeppelin
- Code Analyzer
- Solidity Code
- Complier
- Hardhat

FUNCTION OVERVIEW

Can Take Back Ownership	Not Detected
Owner Change Balance	Not Detected
Blacklist	Not Detected
Modify Fees	Not Detected
Proxy	Not Detected
Whitelisted	Not Detected
Anti-Whale	Not Detected
Trading Cooldown	Not Detected
Transfer Pausable	Not Detected
Cannot Sell All	Not Detected
Hidden Owner	Not Detected
Mint	Detected*

*There is a mint function in the contract but since ownership is renounced no one is able to use that function.

VULNERABILITY CHECKLIST

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions & reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

RISK CLASSIFICATION

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

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

Medium Risk

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

Low Risk

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

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

AUDIT SUMMARY

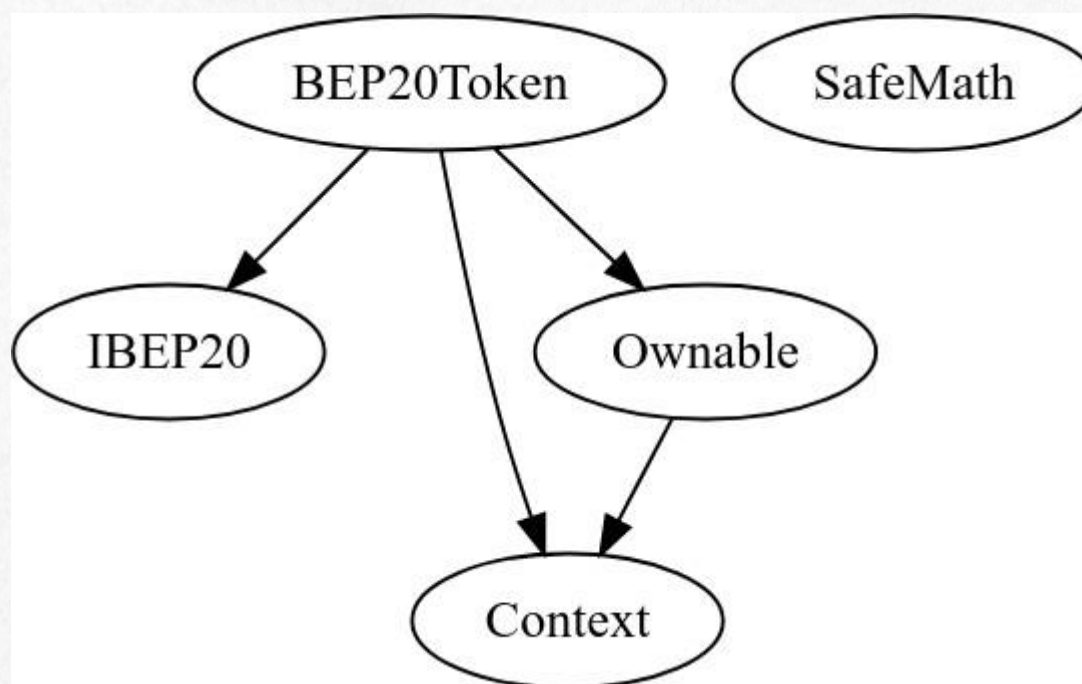## Ownership:

Ownership is renounced and current owner is:

0x0000000000000000000000000000000000000000

Contract & Inheritance Tree

all of below contracts are in this audit scope

- **MOVEX.sol**

MANUAL AUDIT

Severity Criteria

Expelee assesses the severity of disclosed vulnerabilities according to a methodology based on **OWASP** standards.

Vulnerabilities are divided into three primary risk categories: . **high, medium, low**

High-level considerations for vulnerabilities span the following key areas when conducting assessments:

- Malicious Input Handling

- Escalation of privileges

    Arithmetic

- Gas use

Overall Risk Severity				
Impact	HIGH	Medium	High	Critical
	MEDIUM	Low	Medium	High
	LOW	Note	Low	Medium
		LOW	MEDIUM	HIGH
	Likelihood			

Findings Summary

High Risk Findings: 0

Medium Risk Findings: 0

Low Risk Findings : 0

Suggestions & Discussions : 0

High Risk Findings

Centralization - Owner is able to mint new tokens.

```
function updateBuyFees(
        uint256 _dividendFee,
        uint256 _liquidityFee,
        uint256 _marketingFee
    ) external override onlyOwner {
        buyDividendFee = _dividendFee;
        buyLiquidityFee = _liquidityFee;
        buyMarketingFee = _marketingFee;
        buyTotalFees = buyDividendFee + buyLiquidityFee + buyMarketingFee;
        require(buyTotalFees <= 5000, "Max fee  is 50%");
        emit LogUpdateBuyFees(buyDividendFee, buyLiquidityFee,
buyMarketingFee);
    }
```

Explanation :

Ownership is transfered to

0x0000000000000000000000000000000000000000

this means no one is able to use this function.

Suggestions:

use compiler with version more than **0.8.0**, current compiler version is 0.5.0 wich is outdated and no one uses it anymore.

ABOUT EXPELEE

Expelee is a product-based aspirational Web3 Start-up. Coping up with numerous solutions for blockchain Security and constructing a Web3 Ecosystem from Deal making platform to developer hosting open platform, while also developing our own commercial and sustainable blockchain.

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Always Do your own research and protect yourselves from being scammed. The Expelee team has audited this project for general information and only expresses their opinion based on similar projects and checks from popular diagnostic tools.

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