expelee

Building the Futuristic Blockchain Ecosystem

SECURITY AUDIT REPORT

Toker Token

TOKEN OVERVIEW

Risk Findings

Severity	Found
High	2
Medium	0
Low	0
Informational	0

Centralization Risks

Owner Privileges	Description
Can Owner Set Taxes >25% ?	Not Detected
Owner needs to enable trading ?	Yes, owner needs to enable trades
Can Owner Disable Trades ?	Not Detected
Can Owner Mint ?	Not Detected
Can Owner Blacklist ?	Not Detected
Can Owner set Max Wallet amount ?	Not Detected
Can Owner Set Max TX amount ?	Not Detected

expelee

TABLE OF CONTENTS

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 With High Risk**
KYC Verification	**-**
Audit Date	**25 June 2023**

CONTRACT DETAILS

Token Name: Toker Token

Symbol: THC

Network: Binance Smart Chain

Language: Solidity

Contract Address:
--

Total Supply: 840,000,000,000,000

Owner's Wallet: --

Deployer's Wallet: --

Testnet.
https://testnet.bscscan.com/address/0x776394ebfd85A61e18F627f4aFB65b53cf5816e1

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
- Compiler
- Hardhat

VULNERABILITY CHECKS

Design Logic	Passed
Compiler warnings	Passed
Private user data leaks	Passed
Timestamps 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 Zepplin module	Passed

RISK CLASSIFICATION

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and acces 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

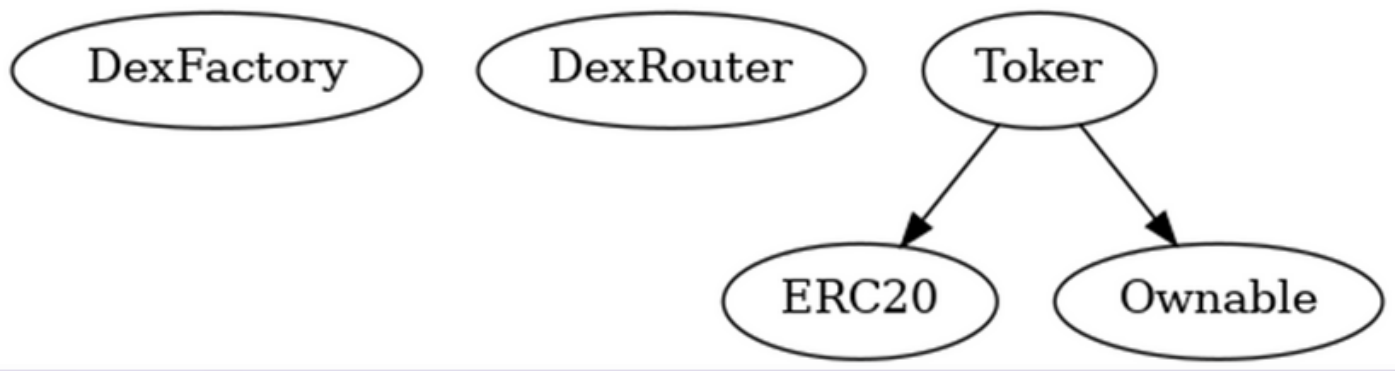
Issues on this level are minor details and warning that can remain unfixed.

Informational

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

expelee

INHERITANCE TREES



expelee

FUNCTION DETAILS

Contract	Type	Bases		
└	**Function Name**	**Visibility**	**Mutability**	**Modifiers**
DexFactory	Interface				
└	createPair	External ❗	🛑	NO ❗
DexRouter	Interface				
└	factory	External ❗		NO ❗
└	WETH	External ❗		NO ❗
└	addLiquidityETH	External ❗	💵	NO ❗
└	swapExactTokensForETHSupportingFeeOnTransferTokens	External ❗	🛑	NO ❗
Toker	Implementation	ERC20, Ownable			
└	<Constructor>	Public ❗	🛑	ERC20
└	enableTrading	External ❗	🛑	onlyOwner
└	setBuyTaxes	External ❗	🛑	onlyOwner
└	setSellTaxes	External ❗	🛑	onlyOwner
└	setTransferFees	External ❗	🛑	onlyOwner
└	setSwapTokensAtAmount	External ❗	🛑	onlyOwner
└	toggleSwapping	External ❗	🛑	onlyOwner
└	setWhitelistStatus	External ❗	🛑	onlyOwner
└	checkWhitelist	External ❗		NO ❗
└	_takeTax	Internal 🔒	🛑	
└	_transfer	Internal 🔒	🛑	
└	swapToETH	Internal 🔒	🛑	
└	withdrawStuckETH	External ❗	🛑	onlyOwner
└	withdrawStuckTokens	External ❗	🛑	onlyOwner
└	<Receive Ether>	External ❗	💵	NO ❗

Legend

Symbol	Meaning
🛑	Function can modify state
💵	Function is payable

TESTNET VERSION

Adding Liquidity ✅
Tx:
https://testnet.bscscan.com/tx/0xf5b2f50e4ef9547c7af8cb44c26ea101161b38e306b79e8dbd79d40ea4adf23d

==========

Buying when excluded from fees ✅
Tx (0% tax):
https://testnet.bscscan.com/tx/0x98aefa1f19164e4558532fbc8da5386d55be8c5208e6ae0a78c17f93314eed63

==========

Selling when excluded from fees ✅
Tx (0% tax):
https://testnet.bscscan.com/tx/0xfe9886c27f9e34228d10ae783c7a4a2a0d3db0646e0a0ee0d341b08a0c788a2f

==========

Transferring when excluded from fees ✅
Tx (0% tax):
https://testnet.bscscan.com/tx/0x9907f252a1e3588a9ea698c02d56c1a23073bf9186df31875967c66408beb3b3

==========

Buying ✅
Tx (0-5% tax):
https://testnet.bscscan.com/tx/0xf864c749f2639c5ade6ad06e4cdce018bbb1712728b0d6f80418ab7c1302ef6e

TESTNET VERSION

Selling ✅
Tx (0-5% tax):
https://testnet.bscscan.com/tx/0x45b0f5067b96df74ce765f7a94a76271386680e7a002eaa760445414d89ce6fb

==========

Transferring ✅
Tx (0-100% tax):
https://testnet.bscscan.com/tx/0x69d4bd69b91667cf449b07d5753c4b1450b2059c67ad4e91d51e71f0df8def07

==========

Burning (fee are sent to dead wallet) ✅
Tx :
https://testnet.bscscan.com/token/0x776394ebfd85a61e18f627f4afb65b53cf5816e1?a=0x000000000000000000000000000000000000dead

MANUAL REVIEW

Severity Criteria

Expelee assesses the severity of disclosed vulnerabilities according to methodology based on OWASP standarts.

Vulnerabilities are dividend into three primary risk categroies:
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			

HIGH RISK FINDING

Trades must be enabled manually

Category: Centralization
Status: Open
Severity: High

Overview:

Owner of the contract must call startTrading function in order for holders to be able to transfer/sell their tokens. If Owner refuse to enable trades for any reason, holders wont be able to transfer/sell their tokens and their assets will be locked in liquidity pool forever.

```
  function enableTrading() external onlyOwner {
require(!tradingEnabled, "Trading is already enabled");
      tradingEnabled = true;
      startTradingBlock = block.number;
  }
```

HIGH RISK FINDING

Trades must be enabled manually

Suggestion:

To resolve this issue you can:

- Enable trades prior to presale: this ensures investors about safety of their assets
- Transfer ownreship of the contract to pinksale: this ensures that trades will be enabled eventually at right time
- Create a time lock feature: this ensures that trades will be enabled automatically after a fixed amount of time.

HIGH RISK FINDING

Excessive Transfer fees

Category: Configurations
Status: Open
Severity: High

Overview:
Owner is able to set up to 100% tax on transfers.

```
 function setTransferFees(uint256 _transferTaxes)
external onlyOwner {
      transferTaxes = _transferTaxes;
require(_transferTaxes <= 10000, "Can not set transfer tax
higher than 1%");
      emit TransferFeesUpdated(_transferTaxes);
  }
```

Suggestion:
According to error message, _transferTaxes should be less than 100 (considering 10,000 as denominator)

```
  function setTransferFees(uint256 _transferTaxes)
external onlyOwner {
      transferTaxes = _transferTaxes;
require(_transferTaxes <= 100, "Can not set transfer tax
higher than 1%");
      emit TransferFeesUpdated(_transferTaxes);
  }
```

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.

www.expelee.com

expeleeofficial
expelee
Expelee
expelee
expelee_official
expelee-co

expelee

Building the Futuristic Blockchain Ecosystem

DISCLAIMER

All the content provided in this document is for general information only and should not be used as financial advice or a reason to buy any investment. Team provides no guarantess against the sale of team tokens or the removal of liquidity by the project audited in this document.

Always do your own research and project 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.

Under no circumstances did Expelee receive a payment to manipulate those results or change the awarding badge that we will be adding in our website. Alway do your own research and protect yourselves from scams.

This document should not be presented as a reason to buy or not buy any particular token. The Expelee team disclaims any liability for the resulting losses.