



Building the Futuristic **Blockchain Ecosystem**

SECURITY AUDIT REPORT

Trump Pepe Agenda

TOKEN OVERVIEW

Risk Findings

Severity	Found
● High	1
● Medium	0
● Low	0
● Informational	1

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

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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
Audit Date	19 March 2024

CONTRACT DETAILS

Token Address: 0xbe5E8939C191fd95873b452166AE7e906c663582

Name: Trump Pepe Agenda

Symbol: TRUMPPEPE

Decimals: 18

Network: BSC

Token Type: BEP-20

Owner: 0x660dab97b9A008641D55c914a15867e8F6555AFE

Deployer: 0x660dab97b9A008641D55c914a15867e8F6555AFE

Token Supply: 1000000000000

Checksum: B2032c616934aeb47e6039f76b20d221

Testnet:

<https://testnet.bscscan.com/address/0xbefdf60b2aca54f385e2cf69d0946f977926341a#code>

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 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.

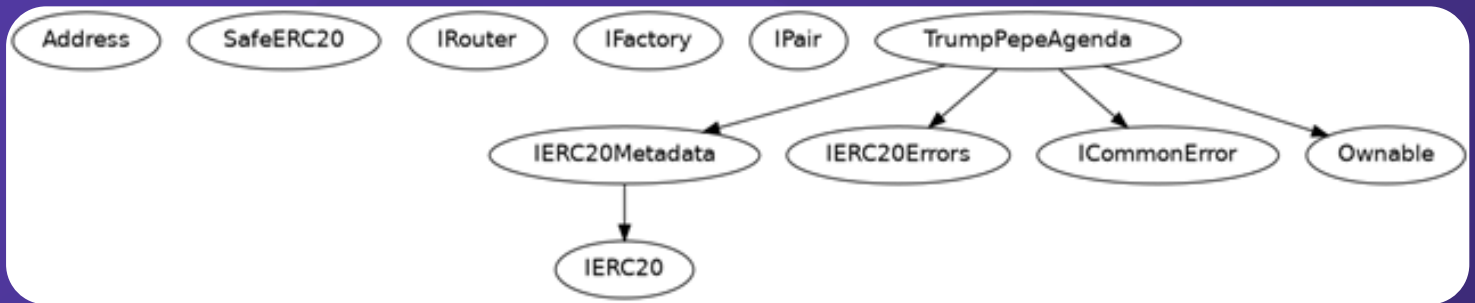
Low Risk

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

Informational

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

INHERITANCE TREES



STATIC ANALYSIS

A static analysis of the code was performed using Slither. No issues were found.

```
INFO:Detectors:
Reentrancy in TrumpPepeAgenda._transfer(address,address,uint256) (TrumpPepeAgenda.sol#1625-1653):
  External calls:
    - autoRedeem(toRedeem) (TrumpPepeAgenda.sol#1643)
      - router.swapExactTokensForETHSupportingFeeOnTransferTokens(marketingFeeDistribution,0,path,marketingReceiver,block.timestamp) (TrumpPepeAgenda.sol#1148-1154)
  State variables written after the call(s):
    - newValue = _beforeTokenTransfer(from,to,value) (TrumpPepeAgenda.sol#1649)
    - _totalSupply += value (TrumpPepeAgenda.sol#1698)
    - _totalSupply -= value (TrumpPepeAgenda.sol#1711)
    - _update(from,to,newValue) (TrumpPepeAgenda.sol#1652)
    - _totalSupply += value (TrumpPepeAgenda.sol#1698)
    - _totalSupply -= value (TrumpPepeAgenda.sol#1711)
Reentrancy in TrumpPepeAgenda.updateRouter(address) (TrumpPepeAgenda.sol#1298-1314):
  External calls:
    - pair = IFactory(router.factory()).createPair(address(this),router.WETH()) (TrumpPepeAgenda.sol#1309)
  State variables written after the call(s):
    - isPairLP[pair] = true (TrumpPepeAgenda.sol#1311)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-2
INFO:Detectors:
Reentrancy in TrumpPepeAgenda._transfer(address,address,uint256) (TrumpPepeAgenda.sol#1625-1653):
  External calls:
    - autoRedeem(toRedeem) (TrumpPepeAgenda.sol#1643)
      - router.swapExactTokensForETHSupportingFeeOnTransferTokens(marketingFeeDistribution,0,path,marketingReceiver,block.timestamp) (TrumpPepeAgenda.sol#1148-1154)
  Event emitted after the call(s):
    - Transfer(from,to,value) (TrumpPepeAgenda.sol#1719)
    - newValue = _beforeTokenTransfer(from,to,value) (TrumpPepeAgenda.sol#1649)
    - Transfer(from,to,value) (TrumpPepeAgenda.sol#1719)
    - _update(from,to,newValue) (TrumpPepeAgenda.sol#1652)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-3
INFO:Detectors:
Address._revert(bytes) (TrumpPepeAgenda.sol#136-145) uses assembly
  - INLINE ASM (TrumpPepeAgenda.sol#138-141)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#assembly-usage
INFO:Detectors:
Low level call in Address.functionCallWithValue(address,bytes,uint256) (TrumpPepeAgenda.sol#99-101):
  - (success,returndata) = target.call{value: value}(data) (TrumpPepeAgenda.sol#99)
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls
INFO:Detectors:
Function IRouter.WETH() (TrumpPepeAgenda.sol#228) is not in mixedCase
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions
INFO:Slither:TrumpPepeAgenda.sol analyzed (11 contracts with 93 detectors), 7 result(s) found
```

TESTNET VERSION

1- Approve (passed):

<https://testnet.bscscan.com/tx/0xc63376ccd62b825f08cc475f226a797a43d8b5651c8a982ffdd4ee0f3cb33fc1>

2- Enable Trading (passed):

<https://testnet.bscscan.com/tx/0x244e7c67d9ca90395580d189b5c37063b8c6cc80362c9b620a37e02282f98d8e>

3- Update Marketing Receiver (passed):

<https://testnet.bscscan.com/tx/0xb3664c9c0674a7b0086d434c6882305bfb3f84c1b0f6bb31aaf0181cb92eedb3>

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 categorieis:

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

Centralization – Enabling Trades

Severity: **High**

function: Enable Trading

Status: Resolved (**Safu dev holds ownership**)

Overview:

The OpenTrading function permits only the contract owner to activate trading capabilities. Until this function is executed, no investors can buy, sell, or transfer their tokens. This places a high degree of control and centralization in the hands of the contract owner.

```
function enableTrading() external onlyOwner {  
    if (tradeEnabled) {  
revert TradeAlreadyEnabled(tradeEnabled, tradeStartTime);  
    }  
    if (isFeeActive) {  
revert AlreadyCurrentState("isFeeActive", isFeeActive);  
    }  
    if (isSwapEnabled) {  
revert AlreadyCurrentState("isSwapEnabled", isSwapEnabled);  
    }  
    tradeEnabled = true;  
    isFeeActive = true;  
    isSwapEnabled = true;  
    tradeStartTime = block.timestamp;  
  
    emit TradeEnabled(msg.sender, block.timestamp);  
}
```

HIGH RISK FINDING

Suggestion:

To reduce centralization and potential manipulation, consider one of the following approaches:

1. Automatically enable trading after a specified condition, such as the completion of a presale, is met.
2. If manual activation is still desired, consider transferring the ownership of the contract to a trustworthy, third-party entity like a certified "PinkSale Safu" developer. This can give investors more confidence in the eventual activation of trading capabilities, mitigating concerns of potential bad-faith actions by the original owner.

INFORMATIONAL & OPTIMIZATIONS

Optimization

Severity: Informational

subject: Floating Pragma

Status: Open

Overview:

It is considered best practice to pick one compiler version and stick with it. With a floating pragma, contracts may accidentally be deployed using an outdated.

```
pragma solidity ^0.8.18;
```

Suggestion:

Adding the latest constant version of solidity is recommended, as this prevents the unintentional deployment of a contract with an outdated compiler that contains unresolved bugs.

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

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expelee

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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.

The logo for Expelee, featuring the word "expelee" in a stylized font. The "ex" is in white, and "pelee" is in orange. The letters are bold and modern.

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