

**Building the Futuristic Blockchain Ecosystem** 

### SECURITY AUDIT REPORT

**NETFLIX** 



### **TOKEN OVERVIEW**

#### **Risk Findings**

Severity	Found	
High	0	
Medium	1	
<ul><li>Low</li></ul>	0	
Informational	0	

#### **Centralization Risks**

Owner Privileges	Description	
Can Owner Set Taxes >25%?	Not Detected	
Owner needs to enable trading?	Not Detected	
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	



# TABLE OF CONTENTS

02	Token Overview
03	Table of Contents
04	Overview
05	Contract Details ————————————————————————————————————
06	Audit Methodology
07	Vulnerabilities Checklist ————————————————————————————————————
08	Risk Classification
09	Inheritence Trees ———————————————————————————————————
10	Function Details ————————————————————————————————————
19	Testnet Version
21	Manual Review
22	Medium Risk Finding ————————————————————————————————————
23	About Expelee



# **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	-
Audit Date	4 August 2023



### **CONTRACT DETAILS**

Token Name: Netflix Token

**Symbol: NETFLIX** 

**Network: Binance Smart Chain** 

**Language: Solidity** 

**Contract Address:** 

0x470f2C8ad12D6740a58ceA600562648342FEbae4

Total Supply:10,000,000,000

**Owner's Wallet:** 

0xCDAF4330828C56593f15Bd403F71dFea3e64D302

Deployer's Wallet:

0xCDAF4330828C56593f15Bd403F71dFea3e64D302

Testnet.

https://testnet.bscscan.com/token/0x4D1472fc92C5180520

218E5C1b422AF708D299CA



# 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**

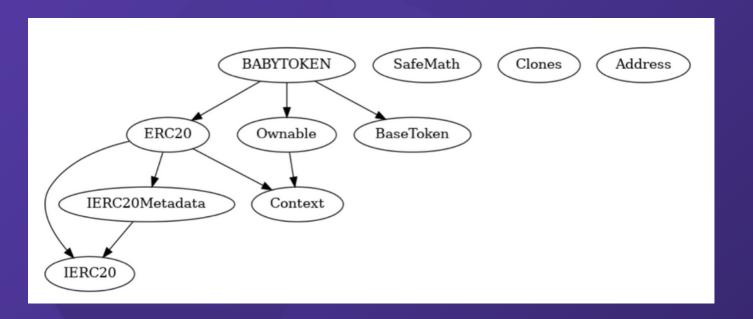
Issues on this level are minor details and warning that can remain unfixed.

#### **Informational**

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



### **INHERITANCE TREES**





```
**Function Name** | **Visibility** | **Mutability** | **Modifiers** |
| **IERC20** | Interface | ||| | |
| L | totalSupply | External | NO | |
| L | balanceOf | External | | NO ! |
| L | transfer | External | | | NO | |
| L | allowance | External | | NO | |
| L | approve | External | | | NO | |
| L | transferFrom | External | | | NO | |
| **IERC20Metadata** | Interface | IERC20 |||
| L | name | External ! | NO! |
| L | symbol | External | | NO | |
| L | decimals | External | | NO | |
| **Context** | Implementation | |||
| L | msgSender | Internal | | | |
| L | msgData | Internal | | | |
| **ERC20** | Implementation | Context, IERC20, IERC20Metadata ||
| L | <Constructor> | Public ! | | NO! |
| L | symbol | Public ! | NO! |
| L | decimals | Public ! | NO! |
| L | balanceOf | Public ! | NO! |
| L | transfer | Public | | | NO | |
| L | approve | Public ! | | NO! |
| L | transferFrom | Public | | | NO | |
| L | increaseAllowance | Public ! | | NO! |
| L | decreaseAllowance | Public ! | Public ! |
| L | transfer | Internal 🔒 | 🛑 | |
| L | mint | Internal | | | | |
```



```
| L | burn | Internal | | | | | | | |
| L | approve | Internal | | | |
| L | beforeTokenTransfer | Internal | | | | | |
| L | afterTokenTransfer | Internal | | | |
| **Ownable** | Implementation | Context |||
| L | owner | Public ! | NO! |
| L | renounceOwnership | Public | | | | onlyOwner |
| L | transferOwnership | Public | | | left | onlyOwner |
| L | setOwner | Private | | | | |
| **SafeMath** | Library | ||
| L | tryAdd | Internal | | | |
| L | trySub | Internal | | | |
| L | tryMul | Internal | | | |
| L | tryDiv | Internal | | | |
| L | tryMod | Internal | | | |
| L | add | Internal | | | |
| L | sub | Internal | | | |
| L | mul | Internal | | | |
| L | div | Internal | | | |
| L | mod | Internal | | | |
| L | sub | Internal | | | |
| L | div | Internal | | | |
| L | mod | Internal | | | |
| **Clones** | Library | |||
| L | clone | Internal | | | | |
| L | cloneDeterministic | Internal | | | |
| L | predictDeterministicAddress | Internal | | | |
| L | predictDeterministicAddress | Internal | | | |
| **Address** | Library | |||
| L | isContract | Internal | | | |
| L | sendValue | Internal | | | | | | | |
| L | functionCall | Internal | | | | | |
```



```
| L | functionCall | Internal | | | | |
| L | functionCallWithValue | Internal | | | | |
| L | functionCallWithValue | Internal | | | |
| L | functionStaticCall | Internal | | | |
| L | functionStaticCall | Internal | | | |
| L | functionDelegateCall | Internal | | | |
| L | functionDelegateCall | Internal | | | |
| L | verifyCallResult | Internal | | | |
| **IUniswapV2Factory** | Interface | |||
| L | feeTo | External ! | NO! |
L | feeToSetter | External | NO | |
| L | getPair | External | | NO | | |
| L | allPairs | External | | NO | |
| L | allPairsLength | External | | NO | |
| L | createPair | External | | | NO | |
| L | setFeeTo | External | | | NO | |
| L | setFeeToSetter | External | | | NO | |
| **IUniswapV2Router01** | Interface | |||
| L | factory | External | | NO | |
| L | WETH | External | | NO | |
| L | addLiquidity | External | | | NO | |
| L | addLiquidityETH | External | | M | NO | |
| L | removeLiquidity | External | | | NO | |
| L | removeLiquidityETH | External | | | NO | |
| L | removeLiquidityWithPermit | External | | | NO | |
| L | removeLiquidityETHWithPermit | External | | | NO | |
| L | swapExactTokensForTokens | External | | | NO | |
| L | swapTokensForExactTokens | External | | | NO | |
| L | swapExactETHForTokens | External | | M | NO ! |
| L | swapTokensForExactETH | External | | | NO | |
| L | swapExactTokensForETH | External | | | NO | |
| L | swapETHForExactTokens | External | | M | NO | |
| L | quote | External ! | NO! |
| L | getAmountOut | External | NO | |
```



```
| L | getAmountIn | External | NO | | | |
| L | getAmountsIn | External | | NO | |
| **IUniswapV2Router02** | Interface | IUniswapV2Router01 |||
| L | removeLiquidityETHSupportingFeeOnTransferTokens | External | | | NO | |
 | L | swapExactTokensForTokensSupportingFeeOnTransferTokens | External | | | NO | |
| L | swapExactTokensForETHSupportingFeeOnTransferTokens | External ! | | NO! |
| **IERC20Upgradeable** | Interface | |||
| L | totalSupply | External | | NO | |
| L | balanceOf | External | | NO | |
| L | transfer | External | | | NO | |
| L | allowance | External | | NO | |
| L | approve | External | | | NO | |
| L | transferFrom | External | | | NO | |
| **IERC20MetadataUpgradeable** | Interface | IERC20Upgradeable |||
| L | name | External | | NO | |
| L | symbol | External | | NO | |
| L | decimals | External | | NO | |
| **Initializable** | Implementation | |||
| **ContextUpgradeable** | Implementation | Initializable |||
| L | _Context_init | Internal | | | | initializer |
| L | Context init unchained | Internal | | | | initializer |
| L | msgSender | Internal | | | |
| L | msgData | Internal | | | |
| **ERC20Upgradeable** | Implementation | Initializable, ContextUpgradeable,
IERC20Upgradeable, IERC20MetadataUpgradeable |||
| L | ERC20_init | Internal | | | | initializer |
| L | ERC20 init unchained | Internal | | | | initializer |
```



```
| L | transfer | Public | | | | NO | |
| L | allowance | Public ! | NO! |
| L | approve | Public ! | | NO! |
| L | transferFrom | Public | | | NO | |
| L | increaseAllowance | Public | | | NO | |
| L | decreaseAllowance | Public ! | | NO! |
| L | transfer | Internal | | | | |
| L | mint | Internal | | | | |
| L | burn | Internal | | | |
| L | approve | Internal | | | |
| L | beforeTokenTransfer | Internal | | | | | |
| L | afterTokenTransfer | Internal | | | |
| **OwnableUpgradeable ** | Implementation | Initializable, ContextUpgradeable |||
| L | _Ownable_init | Internal | | | | initializer |
L | Ownable_init_unchained | Internal | | | | initializer |
| L | owner | Public ! | NO! | | | |
| L | renounceOwnership | Public | | | | onlyOwner |
| L | transferOwnership | Public | | | left | onlyOwner |
| L | setOwner | Private | | | | |
| **IUniswapV2Pair** | Interface | |||
| L | name | External ! | NO! |
| L | symbol | External | | NO | |
| L | totalSupply | External | | NO | |
| L | allowance | External ! | NO! |
| L | approve | External | | | NO | |
| L | transfer | External | | | NO | |
| L | transferFrom | External ! | | NO! |
| L | DOMAIN_SEPARATOR | External | | NO ! |
| L | PERMIT_TYPEHASH | External | | | NO | |
```



```
| L | nonces | External | | NO | | |
| L | permit | External | | | NO | |
| L | MINIMUM LIQUIDITY | External | | | NO | |
| L | factory | External | | NO | |
| L | token0 | External | | NO | |
| L | token1 | External | | NO ! |
| L | getReserves | External | | NO | |
| L | price0CumulativeLast | External | NO | |
| L | price1CumulativeLast | External | NO | |
| L | kLast | External | | NO | |
| L | mint | External | | | NO | |
| L | burn | External ! | | NO! |
| L | swap | External | | | NO | |
| L | skim | External | | | NO | |
| L | sync | External | | | NO | |
| L | initialize | External | | | NO | |
| **SafeMathInt** | Library | |||
| L | mul | Internal | | | |
| L | div | Internal 🔒 | ||
| L | sub | Internal | | | |
| L | add | Internal | | | |
| L | abs | Internal | | | |
| L | toUint256Safe | Internal | | | |
| **SafeMathUint** | Library | |||
| L | toInt256Safe | Internal | | | |
| **IterableMapping** | Library | |||
| L | get | Internal | | | |
| L | getIndexOfKey | Internal | | | |
| L | getKeyAtIndex | Internal | | | |
| L | size | Internal | | | |
| L | set | Internal | | | | |
| L | remove | Internal | | | |
| **DividendPayingTokenInterface** | Interface | |||
```



```
| L | dividendOf | External | NO | | | |
| L | withdrawDividend | External | | | NO | |
| **DividendPayingTokenOptionalInterface** | Interface | ||
| L | withdrawableDividendOf | External | | NO | |
| L | withdrawnDividendOf | External | | NO | |
**DividendPayingToken** | Implementation | ERC20Upgradeable, OwnableUpgradeable,
DividendPayingTokenInterface, DividendPayingTokenOptionalInterface ||
L | __DividendPayingToken_init | Internal 🔒 | 🛑 | initializer |
| L | distributeCAKEDividends | Public | | | left | onlyOwner |
| L | withdrawDividend | Public | | | NO | |
| L | withdrawDividendOfUser | Internal | | | |
L | accumulativeDividendOf | Public | NO | |
| L | transfer | Internal | | | | |
| L | mint | Internal | | | | |
| L | _burn | Internal | | | | |
| L | setBalance | Internal | | | | |
| **BABYTOKENDividendTracker** | Implementation | OwnableUpgradeable,
DividendPayingToken |||
| L | initialize | External | | | | initializer |
| L | transfer | Internal | | | |
| L | updateClaimWait | External | | | onlyOwner |
| L | updateMinimumTokenBalanceForDividends | External | | | | onlyOwner |
| L | getLastProcessedIndex | External | NO | |
| L | getNumberOfTokenHolders | External | | NO | |
| L | canAutoClaim | Private | | | |
```



```
| L | setBalance | External | | | onlyOwner | |
| L | process | Public | | | NO | |
| **BaseToken** | Implementation | |||
| **BABYTOKEN** | Implementation | ERC20, Ownable, BaseToken |||
| L | <Receive Ether> | External | | I NO | |
| L | setSwapTokensAtAmount | External | | | onlyOwner |
| L | excludeFromFees | External | | | onlyOwner |
| L | excludeMultipleAccountsFromFees | External | | | | onlyOwner |
| L | setMarketingWallet | External | | | onlyOwner |
| L | setTokenRewardsFee | External | | | onlyOwner |
| L | setLiquiditFee | External | | | onlyOwner |
| L | setMarketingFee | External | | | onlyOwner |
| L | setAutomatedMarketMakerPair | Private 🔐 | 🛑 | |
| L | updateClaimWait | External | | | onlyOwner |
| L | getClaimWait | External | | NO | |
| L | updateMinimumTokenBalanceForDividends | External | | | | onlyOwner |
| L | getMinimumTokenBalanceForDividends | External | NO | |
| L | getTotalDividendsDistributed | External | NO | |
| L | excludeFromDividends | External | | | onlyOwner |
| L | getAccountDividendsInfo | External | NO | |
| L | getAccountDividendsInfoAtIndex | External | NO | |
| L | processDividendTracker | External | | | NO | |
| L | claim | External | | | NO | |
L getNumberOfDividendTokenHolders | External | NO | |
| L | transfer | Internal | | | | |
| L | swapAndSendToFee | Private | | | |
```





### **TESTNET VERSION**

Adding Liquidity Tx: https://testnet.bscscan.com/tx/0xe35e5b4448c95c2b934a8482ecdfffac5b7a70e29894cbbcccacabeb146ce8	240
Buying when excluded from fees Tx (0% tax):  https://testnet.bscscan.com/tx/0x078fc01a5327c4666c61e480667fde227c44a929a4bcfc781fe5e388ccfd5e	)b(
Selling when excluded from fees  Tx (0% tax): https://testnet.bscscan.com/tx/0x431be87ec50bda1b4370183ff756d27847cbf8dd6dc576c81cc365b4611039	6d
Transferring when excluded from fees   Tx(0% tax):  https://testnet.bscscan.com/tx/0x66a4b181ebcf3bce53c45a0990e7d6638fb1b315c7a0ff5ce1b21c4724284a3	90
Diving (	

Buying **Y**Tx (0-25% tax):

https://testnet.bscscan.com/tx/0x69b678efe6529a83490769baba5cd72f1d91964b266935ea5c48e6e83543cf9c



### **TESTNET VERSION**



https://testnet.bscscan.com/tx/0x68458462f1074aade6ee5b1201b5be24ae4f9162f2446c769586b0c98bf28937



https://testnet.bscscan.com/tx/0x19dc6c7dbe254fde2679f23e907f921fb53eb67993be6b42b89a0dfd46284b72

Internal swap (BNB to marketing wallet | reward token to dividend tracker | reward distrubution)

Tx:

https://testnet.bscscan.com/tx/0x68458462f1074aade6ee5b1201b5be24ae4f9162f24 46c769586b0c98bf28937



### **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					



#### **MEDIUM RISK FINDING**

#### up to 25% fee

**Category: Centralization** 

Status: Open

**Impact: Medium** 

#### **Overview:**

Owner is able to update buy/sel/transfer fees within 0-25 percent. The upper bound might be considered a high amount of tax for investors.

```
function setTokenRewardsFee(uint256 value) external onlyOwner {
    tokenRewardsFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}

function setLiquiditFee(uint256 value) external onlyOwner {
    liquidityFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}

function setMarketingFee(uint256 value) external onlyOwner {
    marketingFee = value;
    totalFees = tokenRewardsFee.add(liquidityFee).add(marketingFee);
    require(totalFees <= 25, "Total fee is over 25%");
}
```

#### **Suggestion:**

Its suggested to declare a more reasonable upper bound for fees. This upper bound is suggested to be 10% according to pinksale safu cirteria



### **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

- in expelee
- expelee\_official
- 👩 expelee-co



**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.



**Building the Futuristic Blockchain Ecosystem**