



# Smart Contract Audit

FOR

## Starlink AI

DATED : 02 June 24'



# MANUAL TESTING

**Centralization – Buy and Sell Fees.**

**Severity: High**

**Function: setBuyFees, setSellFees**

**Status: FIXED (Ownership Renounced)**

## Overview:

The owner can set the buy and sell fees up to 40%, which is not recommended.

```
function setBuyFees(
    uint256 _marketingFee,
    uint256 _liquidityFee,
    uint256 _DevelopmentFee
) external onlyOwner {
    buyMarketingFee = _marketingFee;
    buyLPFee = _liquidityFee;
    buyDevelopmentFee = _DevelopmentFee;
    totalBuyFee = buyMarketingFee + buyLPFee + buyDevelopmentFee;
    require(totalBuyFee <= 40, "Total buy fee cannot be higher than
40%");
    emit BuyFeeUpdated(totalBuyFee, buyMarketingFee, buyLPFee,
buyDevelopmentFee);
}
function setSellFees(
    uint256 _marketingFee,
    uint256 _liquidityFee,
    uint256 _DevelopmentFee
) external onlyOwner {
    sellMarketingFee = _marketingFee;
    sellLpFee = _liquidityFee;
    sellDevelopmentFee = _DevelopmentFee;
    totalSellFee = sellMarketingFee + sellLpFee + sellDevelopmentFee;
```



# MANUAL TESTING

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```
require(  
    totalSellFee <= 40,  
    "Total sell fee cannot be higher than 40%"  
);  
emit SellFeeUpdated(totalSellFee, sellMarketingFee, sellLpFee,  
sellDevelopmentFee);
```



# MANUAL TESTING

**Centralization – Enabling Trades**

**Severity: High**

**Function: OpenTrading**

**Status: FIXED (Ownership Renounced)**

## 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 openTrading() external onlyOwner {  
    tradingOn = true;  
    swapbackEnabled = true;  
    emit TradingEnabled(block.timestamp);  
}
```

## 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.



# MANUAL TESTING

**Centralization – Missing Require Check.**

**Severity: High**

**Function:**

**setmarketingWallet/setLPWallet/setDevWallet**

**Status: FIXED (Ownership Renounced)**

**Overview:**

The owner can set any arbitrary address excluding zero address as this is not recommended because if the owner sets the address to the contract address, then the ETH will not be sent to that address and the transaction will fail and this will lead to a potential honeypot in the contract.

```
function setMarketingWallet(address newWallet) external onlyOwner {  
    emit MarketingReceiverUpdated(newWallet, MarketingReceiver);  
    MarketingReceiver = newWallet;  
}  
function setLPWallet(address newWallet) external onlyOwner {  
    emit lpReceiverUpdated(newWallet, autoLPReceiver);  
    autoLPReceiver = newWallet;  
}  
function setDevWallet(address newWallet) external onlyOwner {  
    emit devReceiverUpdated(newWallet, devReceiver);  
    devReceiver = newWallet;  
}
```

**Suggestion:**

It is recommended that the address should not be able to be set as a contract address.



# AUDIT SUMMARY

**Project name - Starlink AI**

**Date:** 02 June, 2024

**Scope of Audit-** Audit Ace was consulted to conduct the smart contract audit of the solidity source codes.

**Audit Status:** PASSED & HIGH RISK ARE FIXED

## Issues Found

Status	Critical	High	Medium	Low	Suggestion
Open	0	0	1	1	2
Acknowledged	0	0	0	0	0
Resolved	0	3	0	0	0



# USED TOOLS

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## Tools:

### 1- Manual Review:

A line by line code review has been performed by audit ace team.

**2- BSC Test Network:** All tests were conducted on the BSC Test network, and each test has a corresponding transaction attached to it. These tests can be found in the "Functional Tests" section of the report.

### 3- Slither :

The code has undergone static analysis using Slither.

### Testnet version:

The tests were performed using the contract deployed on the BSC Testnet, which can be found at the following address:

<https://testnet.bscscan.com/address/0x00dbc75b9190f7cd3e09fd338dd8e26f104eb2e6#code>

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# Token Information

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**Token Address:**

0x454bFf91E0543bD6e9f85AA8D0b40B9C65a2ff0F

**Name:** Starlink AI

**Symbol:** STAI

**Decimals:** 18

**Network:** EtherScan

**Token Type:** ERC-20

**Owner:** 0x00

**Deployer:**

0x09Cc746fBD4B8d85bD4bd2EAb9686E7889abA5a7

**Token Supply:** 10000000

**Checksum:** A17acbefe2a12642d388659dff20221

**Testnet:**

<https://testnet.bscscan.com/address/0x00dbc75b9190f7cd3e09fd338dd8e26f104eb2e6#code>

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# TOKEN OVERVIEW

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**Buy Fee:** 5%

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**Sell Fee:** 5%

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**Transfer Fee:** 5%

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**Fee Privilege:** Owner

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**Ownership:** Renounced

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**Minting:** None

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**Max Tx:** No

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**Blacklist:** No

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**Other Privileges:**

- Whitelist to transfer without enabling trades
  - Enabling trades
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# AUDIT METHODOLOGY

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The auditing process will follow a routine as special considerations by Auditace:

- Review of the specifications, sources, and instructions provided to Auditace to make sure the contract logic meets the intentions of the client without exposing the user's funds to risk.
- Manual review of the entire codebase by our experts, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
- Specification comparison is the process of checking whether the code does what the specifications, sources, and instructions provided to Auditace describe.
- Test coverage analysis determines whether the test cases are covering the code and how much code is exercised when we run the test cases.
- Symbolic execution is analysing a program to determine what inputs cause each part of a program to execute.
- Reviewing the codebase to improve maintainability, security, and control based on the established industry and academic practices.

# VULNERABILITY CHECKLIST



Return values of low-level calls



**Gasless Send**



Private modifier



Using block.timestamp



Multiple Sends



Re-entrancy



Using Suicide



Tautology or contradiction



Gas Limit and Loops



Timestamp Dependence



Address hardcoded



Revert/require functions



Exception Disorder



Use of tx.origin



Using inline assembly



Integer overflow/underflow



Divide before multiply



Dangerous strict equalities



Missing Zero Address Validation



Using SHA3



Compiler version not fixed



Using throw



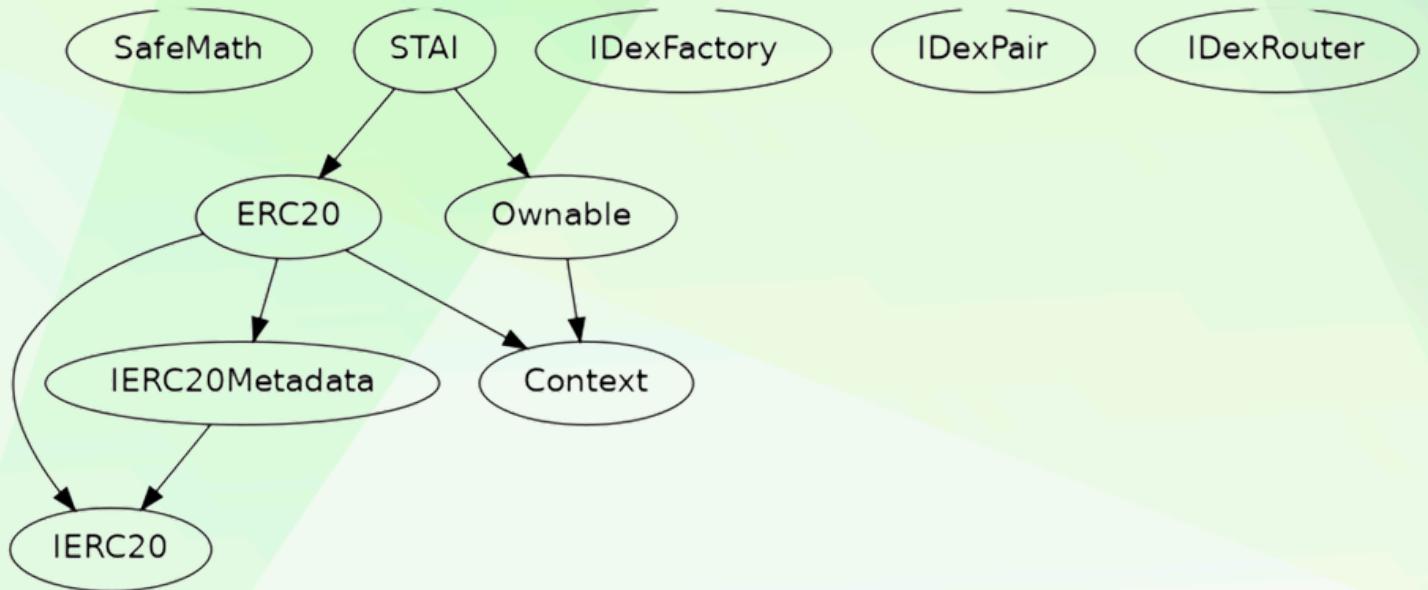
# CLASSIFICATION OF RISK

Severity	Description
◆ Critical	These vulnerabilities could be exploited easily and can lead to asset loss, data loss, asset, or data manipulation. They should be fixed right away.
◆ High-Risk	A vulnerability that affects the desired outcome when using a contract, or provides the opportunity to use a contract in an unintended way.
◆ Medium-Risk	A vulnerability that could affect the desired outcome of executing the contract in a specific scenario.
◆ Low-Risk	A vulnerability that does not have a significant impact on possible scenarios for the use of the contract and is probably subjective.
◆ Gas Optimization / Suggestion	A vulnerability that has an informational character but is not affecting any of the code.

## Findings

Severity	Found
◆ Critical	0
◆ High-Risk	3
◆ Medium-Risk	1
◆ Low-Risk	1
◆ Gas Optimization / Suggestions	2

# INHERITANCE TREE





## POINTS TO NOTE

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- The owner can transfer ownership.
- The owner can renounce ownership.
- The owner can Enable trading.
- The owner can set a buy/sell fee to more than 40%.
- The owner can set swap Back Settings.
- The owner can set a wallet limit of not more than 0.5%.
- The owner set up an Automated market maker pair.
- The owner can set LPwallet/DevWallet/MarketingWallet.



# STATIC ANALYSIS

```
INFO:Detectors:  
STAI._transfer(address,address,uint256) (STAI.sol#1053-1186) uses tx.origin for authorization: require(bool,string){holderLastTransferTimestamp[tx.origin] < block.number,,transfer:: Transfer Delay enabled. Only one purchase per block allowed.} (STAI.sol#1080-1092)  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dangerous-usage-of-txorigin  
INFO:Detectors:  
STAI.addLiquidity(uint256,uint256) (STAI.sol#1206-1219) ignores return value by dexRouter.addLiquidityETH(value: ethAmount){address(this),tokenAmount,0,0,autoLPReceiver,block.timestamp} (STAI.sol#1211-1218)  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#unused-return  
INFO:Detectors:  
STAI.constructor().totalSupply (STAI.sol#796) shadows:  
- ERC20.totalSupply() (STAI.sol#730-740) (function)  
- ERC20.totalSupply() (STAI.sol#1205) (function)  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#local-variable-shadowing  
INFO:Detectors:  
STAI.setMarketingWallet(address)newWallet (STAI.sol#1026) lacks a zero-check on:  
- MarketingReceiver = newWallet (STAI.sol#1028)  
STAI.setPWallet(address)newWallet (STAI.sol#1037) lacks a zero-check on:  
- autoLPReceiver = newWallet (STAI.sol#1039)  
STAI.setDevWallet(address)newWallet (STAI.sol#1040) lacks a zero-check on:  
- devReceiver = newWallet (STAI.sol#1040)  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#missing-zero-address-validation  
INFO:Detectors:  
Reentrancy in STAI.swapBack() (STAI.sol#1223-1273):  
External calls:  
- swapTokensForEth(amountToSwapForETH) (STAI.sol#1224)  
- dexRouter.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address(this),block.timestamp) (STAI.sol#1197-1208)  
- addLiquidity(liquidityTokens,ethForLiquidity) (STAI.sol#1202)  
- dexRouter.addLiquidityETH(value: ethAmount){address(this),tokenAmount,0,0,autoLPReceiver,block.timestamp} (STAI.sol#1211-1218)  
External calls sending eth:  
- (success,None) = address(devReceiver).call{value: ethForDev()} (STAI.sol#1259)  
- addLiquidity(liquidityTokens,ethForLiquidity) (STAI.sol#1202)  
State variables modified by external calls:  
- State variable ethForDev is modified (labeled as 'devReceiver').  
- addLiquidity(liquidityTokens,ethForLiquidity) (STAI.sol#1202)  
- allowances[sender][spender] = amount (STAI.sol#897)  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities-2  
INFO:Detectors:  
Reentrancy in STAI.transfer(address,address,uint256) (STAI.sol#1053-1186):  
External calls:  
- swapBack() (STAI.sol#1199)  
- dexRouter.addLiquidityETH(value: ethAmount){address(this),tokenAmount,0,0,autoLPReceiver,block.timestamp} (STAI.sol#1211-1218)  
- dexRouter.swapExactTokensForETHSupportingFeeOnTransferTokens(tokenAmount,0,path,address(this),block.timestamp) (STAI.sol#1199-1208)  
- (success,None) = address(devReceiver).call{value: ethForDev()} (STAI.sol#1259)  
- (success,None) = address(address(MarketingReceiver)).call{value: address(this).balance()} (STAI.sol#1270-1272)  
External calls sending eth:  
- swapBack() (STAI.sol#1199)  
- dexRouter.addLiquidityETH(value: ethAmount){address(this),tokenAmount,0,0,autoLPReceiver,block.timestamp} (STAI.sol#1211-1218)  
- (success,None) = address(devReceiver).call{value: ethForDev()} (STAI.sol#1259)  
- (success,None) = address(MarketingReceiver).call{value: address(this).balance()} (STAI.sol#1270-1272)
```

```
INFO:Detectors:  
STAI._transfer(address,address,uint256) (STAI.sol#1053-1186) has a high cyclomatic complexity (16).  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#cyclomatic-complexity  
INFO:Detectors:  
Context._msgData() (STAI.sol#192-194) is never used and should be removed  
ERC20._burn(address,uint256) (STAI.sol#372-387) is never used and should be removed  
SafeMath.add(uint256,uint256) (STAI.sol#67-69) is never used and should be removed  
SafeMath.div(uint256,uint256,string) (STAI.sol#98-107) is never used and should be removed  
SafeMath.mod(uint256,uint256) (STAI.sol#83-85) is never used and should be removed  
SafeMath.mod(uint256,uint256,string) (STAI.sol#109-118) is never used and should be removed  
SafeMath.sub(uint256,uint256,string) (STAI.sol#87-96) is never used and should be removed  
SafeMath.tryAdd(uint256,uint256) (STAI.sol#11-20) is never used and should be removed  
SafeMath.tryDiv(uint256,uint256) (STAI.sol#47-55) is never used and should be removed  
SafeMath.tryMod(uint256,uint256) (STAI.sol#57-65) is never used and should be removed  
SafeMath.tryMul(uint256,uint256) (STAI.sol#32-45) is never used and should be removed  
SafeMath.trySub(uint256,uint256) (STAI.sol#22-30) is never used and should be removed  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#dead-code  
INFO:Detectors:  
Pragma version0.8.19 (STAI.sol#8) necessitates a version too recent to be trusted. Consider deploying with 0.8.18.  
solc-0.8.19 is not recommended for deployment  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#incorrect-versions-of-solidity  
INFO:Detectors:  
Low level call in STAI.swapBack() (STAI.sol#1221-1273):  
- (success,None) = address(devReceiver).call{value: ethForDev}() (STAI.sol#1259)  
- (success,None) = address(MarketingReceiver).call{value: address(this).balance}() (STAI.sol#1270-1272)  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#low-level-calls  
INFO:Detectors:  
Function IDexRouter.WETH() (STAI.sol#505) is not in mixedCase  
Event STAI.devReceiverUpdated(address,address) (STAI.sol#640-643) is not in CapWords  
Event STAI.lpReceiverUpdated(address,address) (STAI.sol#645-648) is not in CapWords  
Parameter STAI.checkAddressPermissions(address)._target (STAI.sol#844) is not in mixedCase  
Function STAI.RemoveLimits() (STAI.sol#881-884) is not in mixedCase  
Parameter STAI.setSwapBackSettings(bool,uint256,uint256)._enabled (STAI.sol#892) is not in mixedCase  
Parameter STAI.setSwapBackSettings(bool,uint256,uint256)._min (STAI.sol#893) is not in mixedCase  
Parameter STAI.setSwapBackSettings(bool,uint256,uint256)._max (STAI.sol#894) is not in mixedCase  
Parameter STAI.setBuyFees(uint256,uint256,uint256)._marketingFee (STAI.sol#948) is not in mixedCase  
Parameter STAI.setBuyFees(uint256,uint256,uint256)._liquidityFee (STAI.sol#949) is not in mixedCase  
Parameter STAI.setBuyFees(uint256,uint256,uint256)._DevelopmentFee (STAI.sol#950) is not in mixedCase  
Parameter STAI.setSellFees(uint256,uint256,uint256)._marketingFee (STAI.sol#961) is not in mixedCase  
Parameter STAI.setSellFees(uint256,uint256,uint256)._liquidityFee (STAI.sol#962) is not in mixedCase  
Parameter STAI.setSellFees(uint256,uint256,uint256)._DevelopmentFee (STAI.sol#963) is not in mixedCase  
Parameter STAI.setTransferFees(uint256,uint256,uint256)._marketingFee (STAI.sol#977) is not in mixedCase  
Parameter STAI.setTransferFees(uint256,uint256,uint256)._liquidityFee (STAI.sol#978) is not in mixedCase  
Parameter STAI.setTransferFees(uint256,uint256,uint256)._DevelopmentFee (STAI.sol#979) is not in mixedCase  
Variable STAI.MarketingReceiver (STAI.sol#583) is not in mixedCase  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions
```



# STATIC ANALYSIS

```
INFO:Detectors:  
Variable IDexRouter.addLiquidity(address,address,uint256,uint256,uint256,address,uint256).amountADesired (STAI.sol#510) is too similar to IDexRouter.addLiquidity(address,address,uint256,uint256,uint256  
,uint256,address,uint256).amountDesired (STAI.sol#511)  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#variable-names-too-similar  
INFO:Detectors:  
STAI.constructor() (STAI.sol#077-750) uses literals with too many digits:  
- totalSupply 100000000 * 10 ** decimals() (STAI.sol#780)  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#too-many-digits  
INFO:Detectors:  
STAI.burnEnabled (STAI.sol#570) should be constant  
STAI.theDeployer (STAI.sol#550) should be constant  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-constant  
INFO:Detectors:  
STAI.lastSync (STAI.sol#570) should be immutable  
Reference: https://github.com/crytic/slither/wiki/Detector-Documentation#state-variables-that-could-be-declared-immutable  
INFO:Slither:STAI.sol analyzed (10 contracts with 93 detectors), 59 result(s) found
```

**Result => A static analysis of contract's source code has been performed using slither,  
No major issues were found in the output**



# FUNCTIONAL TESTING

## 1- Open Trading (**passed**):

<https://testnet.bscscan.com/tx/0x2e0491ca76bec774b8404f513102bda6f74c5023ce5ca3848bc9fa2601eae68c>

## 2- Set Marketing Wallet (**passed**):

<https://testnet.bscscan.com/tx/0x198e41a239181a55a65f454c08540391ddb0cd7927ff4f1191c2270a42b58f5>

## 3- Set LP Wallet (**passed**):

<https://testnet.bscscan.com/tx/0x3067b7ad7df18e686b1096bd4c29f5f5b8ee45ba80f4e06021ad2f9d3f5e058a>

## 4- Set Dev Wallet (**passed**):

<https://testnet.bscscan.com/tx/0x87542ce6b4891381f5315348925657fa4f76b4822a54aa2bf938dde19d3710b1>

## 5- Set Transfer Fees (**passed**):

<https://testnet.bscscan.com/tx/0x8d3f0dd678cbe20ae0cde16232b54300e2636274a82bb993bbe2f47f8a6c4489>

## 6- Set Sell Fees (**passed**):

<https://testnet.bscscan.com/tx/0x8369cea14622d4d14c2561d3445912531896b99da8f54605e88e76b1699cf5c7>

## 7- Set Buy Fees (**passed**):

<https://testnet.bscscan.com/tx/0x7b004aba4de961c0baf8a4d8e650b547b87970f86913e7abafa23fabe91fee36>



# MANUAL TESTING

**Centralization – Buy and Sell Fees.**

**Severity: High**

**Function: setBuyFees, setSellFees**

**Ownership: Renounced**

**Status: FIXED (Ownership Renounced)**

**Overview:**

The owner can set the buy and sell fees up to 40%, which is not recommended.

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function setBuyFees(
    uint256 _marketingFee,
    uint256 _liquidityFee,
    uint256 _DevelopmentFee
) external onlyOwner {
    buyMarketingFee = _marketingFee;
    buyLPFee = _liquidityFee;
    buyDevelopmentFee = _DevelopmentFee;
    totalBuyFee = buyMarketingFee + buyLPFee + buyDevelopmentFee;
    require(totalBuyFee <= 40, "Total buy fee cannot be higher than
40%");
    emit BuyFeeUpdated(totalBuyFee, buyMarketingFee, buyLPFee,
buyDevelopmentFee);
}
function setSellFees(
    uint256 _marketingFee,
    uint256 _liquidityFee,
    uint256 _DevelopmentFee
) external onlyOwner {
    sellMarketingFee = _marketingFee;
    sellLpFee = _liquidityFee;
    sellDevelopmentFee = _DevelopmentFee;
    totalSellFee = sellMarketingFee + sellLpFee + sellDevelopmentFee;
```



# MANUAL TESTING

---

```
require(  
    totalSellFee <= 40,  
    "Total sell fee cannot be higher than 40%"  
);  
emit SellFeeUpdated(totalSellFee, sellMarketingFee, sellLpFee,  
sellDevelopmentFee);
```



# MANUAL TESTING

**Centralization – Enabling Trades**

**Severity: High**

**Function: OpenTrading**

**Status: FIXED (Ownership Renounced)**

## 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 openTrading() external onlyOwner {  
    tradingOn = true;  
    swapbackEnabled = true;  
    emit TradingEnabled(block.timestamp);  
}
```

## 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.



# MANUAL TESTING

**Centralization – Missing Require Check.**

**Severity: High**

**Function:**

**setmarketingWallet/setLPWallet/setDevWallet**

**Status: FIXED (Ownership Renounced)**

**Overview:**

The owner can set any arbitrary address excluding zero address as this is not recommended because if the owner sets the address to the contract address, then the ETH will not be sent to that address and the transaction will fail and this will lead to a potential honeypot in the contract.

```
function setMarketingWallet(address newWallet) external onlyOwner {  
    emit MarketingReceiverUpdated(newWallet, MarketingReceiver);  
    MarketingReceiver = newWallet;  
}  
function setLPWallet(address newWallet) external onlyOwner {  
    emit lpReceiverUpdated(newWallet, autoLPReceiver);  
    autoLPReceiver = newWallet;  
}  
function setDevWallet(address newWallet) external onlyOwner {  
    emit devReceiverUpdated(newWallet, devReceiver);  
    devReceiver = newWallet;  
}
```

**Suggestion:**

It is recommended that the address should not be able to be set as a contract address.



# MANUAL TESTING

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**Centralization – Liquidity is added to EOA.**

**Severity: Medium**

**function: addLiquidity**

**Status: Open**

**Overview:**

Liquidity is added to EOA. It may be drained by the Wallet\_Liquidity.

```
function addLiquidity(uint256 tokenAmount, uint256 ethAmount) private
{
    // approve token transfer to cover all possible scenarios
    _approve(address(this), address(dexRouter), tokenAmount);

    // add the liquidity
    dexRouter.addLiquidityETH{value: ethAmount}(
        address(this),
        tokenAmount,
        0, // slippage is unavoidable
        0, // slippage is unavoidable
        autoLPReceiver,
        block.timestamp
    );
}
```

**Suggestion:**

It is suggested that the address should be a contract address or a dead address.



# MANUAL TESTING

## Centralization – Unsafe Usage of tx.origin

**Severity:** Low

**Subject:** Tx.origin

**Status:** Open

### Overview:

Avoid using TX.origin for authorization, another contract can have a method that will call your contract (where the user has some funds for instance) and your contract will authorize that transaction as your address is in tx. origin.

```
if (trasnferDelayEnabled) {  
if (  
    to != owner() &&  
    to != address(dexRouter) &&  
    to != address(dexPair)  
) {  
require(  
    _holderLastTransferTimestamp[tx.origin] <  
    block.number,  
"  
_transfer:: Transfer Delay enabled. Only one purchase per block  
allowed."  
);  
    _holderLastTransferTimestamp[tx.origin] = block.number;  
}  
}
```

### Suggestion:

You should use msg. sender for authorization (if another contract calls your contract msg.sender will be the address of the contract and not the address of the user who called the contract).



# MANUAL TESTING

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**Optimization**

**Severity: Informational**

**Subject: Remove Safe Math**

**Status: Open**

**Line: 10-119**

**Overview:**

compiler version above 0.8.0 can control arithmetic overflow/underflow, it is recommended to remove the unwanted code to avoid high gas fees.



# MANUAL TESTING

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## Optimization

**Severity:** Optimization

**Subject:** Remove unused code.

**Status:** Open

### Overview:

Unused variables are allowed in Solidity, and they do not pose a direct security issue. It is the best practice, though to avoid them.

```
interface IDexPair {  
    function sync() external;  
}
```



# DISCLAIMER

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# ABOUT AUDITACE

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We specialize in providing thorough and reliable audits for Web3 projects. With a team of experienced professionals, we use cutting-edge technology and rigorous methodologies to evaluate the security and integrity of blockchain systems. We are committed to helping our clients ensure the safety and transparency of their digital assets and transactions.



**<https://auditace.tech/>**



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**<https://github.com/Audit-Ace>**

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