

# AUDIT REPORT

SecureWise

**APE THIS SHIT (APE THIS SHIT)**



# Quick Result

Quick Result	Status
Owner can mint new token?	Not Detected
Owner can update tax over 25% ?	Not Detected
Owner can pause trade ?	Not Detected
Owner can enable trading ?	Not Detected
Owner can add Blacklist ?	Not Detected
Owner can set Max Tx ?	Not Detected
Owner can set Max Wallet Amount ?	Not Detected
KYC ?	No KYC

Page 6,10 for more details

**APE THIS SHIT (APE THIS SHIT) as PASSED the smart contract audit with Low risk**

# Findings

Risk Classification	Description
High	Exploits, vulnerabilities or errors that will certainly or probabilistically lead towards loss of funds, control, of the contract and its functions. Must be fixed as soon as possible.
Medium	Bugs or issues with that may be subject to exploit, though their impact is somewhat limited. Must be fixed as soon as possible.
Low	Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless.
Informational	A vulnerability that have informational character but is not effecting any of the code

Severity	Found	Pending	Resolved
High	0	0	0
Medium	0	0	0
Low	0	2	0
Informational	0	3	0
Total	0	5	0

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# Overview

**Token Name:** APE THIS SHIT (**APE THIS SHIT**)

**Language:** Solidity

**Contract Address:** 0x211CA006797Bdc693a2916933bEe3F3f6E8E65C9

**Network:** Binance Smart Chain

**Total Supply:** 4200000000000000

**KYC:** No KYC

**Website:** <https://apethisshit.fun>

**Twitter:** <https://twitter.com/ApeThisShit>

**Telegram:** <https://t.me/apethisshitchannel>

**Report Date:** July 19, 2023

**Testnet:**

<https://testnet.bscscan.com/address/0x063e1e1e4f43532d0f761ee02263e2fa6360154b>

# Auditing Approach and Methodologies

SecureWise has performed starting with analyzing the code, issues, code quality, and libraries. Reviewed line-by-line by our team. Finding any potential issue like race conditions, transaction-ordering dependence, timestamp dependence, and denial of service attacks.

## Methodology

- Understanding the size, scope and functionality of your project's source code
- Manual review of code, which is the process of reading source code line-by-line in an attempt to identify potential vulnerabilities.
- Testing and automated analysis of the Smart Contract to determine proper logic has been followed throughout the whole process
- Deploying the code on testnet using multiple live test
- Analyzing a program to determine the specific input that causes different parts of a program to execute its functions.
- Checking whether all the libraries used in the code are on the latest version.

## Goals

Smart Contract System is secure, resilient and working according to the specifications and without any vulnerabilities.

## Risk Classification

**High:** Exploits, vulnerabilities or errors that will certainly or probabilistically lead towards loss of funds, control, of the contract and its functions. Must be fixed as soon as possible.

**Medium:** Bugs or issues with that may be subject to exploit, though their impact is somewhat limited. Must be fixed as soon as possible.






**Low:** Effects are minimal in isolation and do not pose a significant danger to the project or its users. Issues under this classification are recommended to be fixed nonetheless.

**Informational:** A vulnerability that have informational character but is not affecting any of the code

# Findings Summary

SecureWise has applied the automated and manual analysis of Smart Contract and were reviewed for common contract vulnerabilities and centralized exploits

## Findings

	Owner has authority to change swap token amount without limit
	Owner has authority to change AMMPair
	Owner has the authority to exclude account from dividend
	Owner has the authority to update total fees max 25%
	Owner has the authority to exclude account from fees

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**APE THIS SHIT (APE THIS SHIT) as PASSED the smart contract audit with Low risk**

# Function Privileges

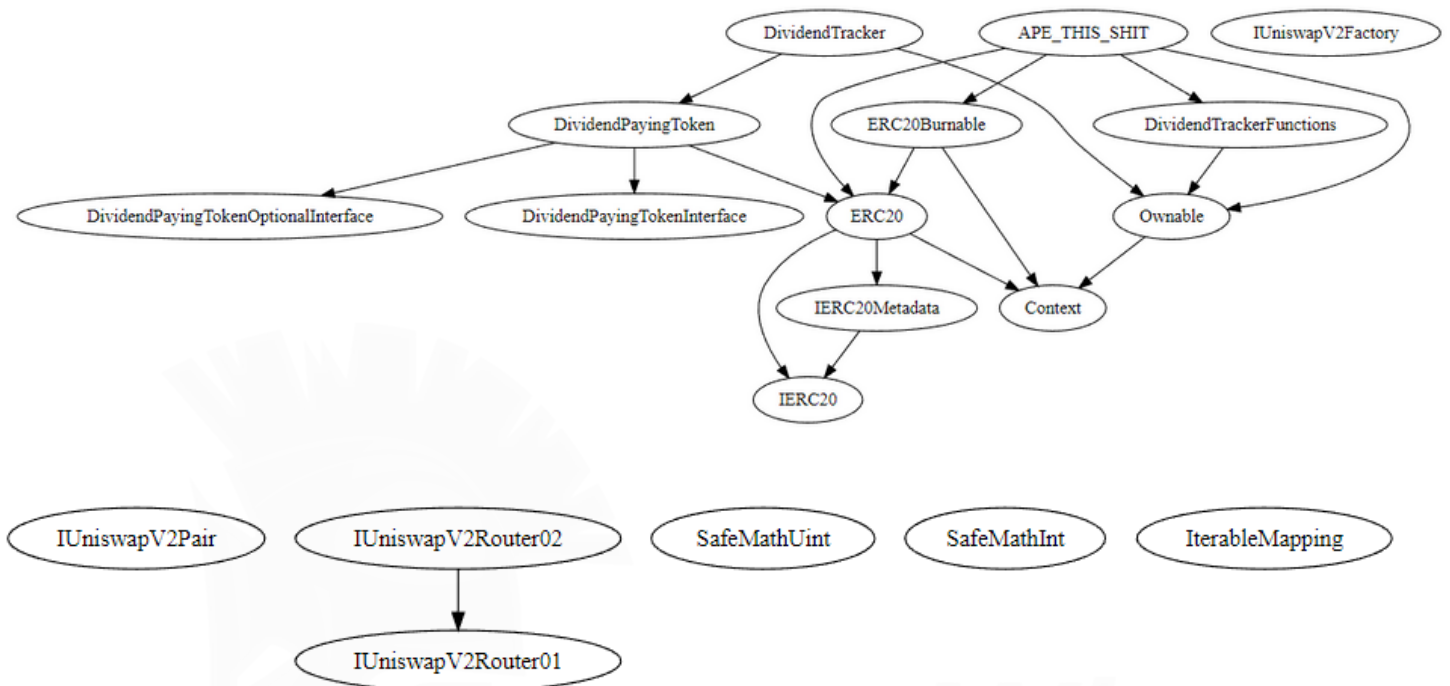
```

| **APE_THIS_SHIT** | Implementation | ERC20, ERC20Burnable, Ownable,
DividendTrackerFunctions |||
| L | <Constructor> | Public ! | ● | ERC20 |
| L | <Receive Ether> | External ! | ■ | NO ! |
| L | decimals | Public ! | | NO ! |
| L | _swapTokensForCoin | Private 🔒 | ● | |
| L | updateSwapThreshold | Public ! | ● | onlyOwner |
| L | getAllPending | Public ! | | NO ! |
| L | marketingAddressSetup | Public ! | ● | onlyOwner |
| L | marketingFeesSetup | Public ! | ● | onlyOwner |
| L | _swapTokensForOtherRewardTokens | Private 🔒 | ● | |
| L | _sendDividends | Private 🔒 | ● | |
| L | excludeFromDividends | Public ! | ● | onlyOwner |
| L | rewardsFeesSetup | Public ! | ● | onlyOwner |
| L | _burn | Internal 🔒 | ● | |
| L | _mint | Internal 🔒 | ● | |
| L | excludeFromFees | Public ! | ● | onlyOwner |
| L | _transfer | Internal 🔒 | ● | |
| L | _updateRouterV2 | Private 🔒 | ● | |
| L | setAMMPair | Public ! | ● | onlyOwner |
| L | _setAMMPair | Private 🔒 | ● | |
| L | _beforeTokenTransfer | Internal 🔒 | ● | |
| L | _afterTokenTransfer | Internal 🔒 | ● | |

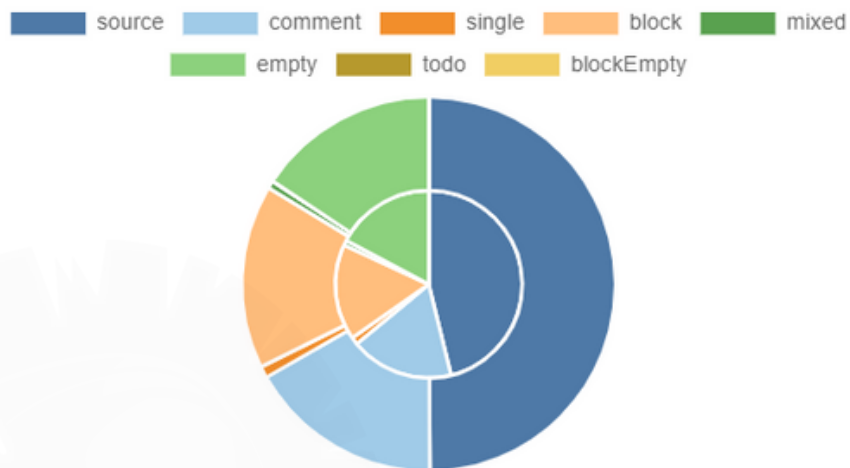
```



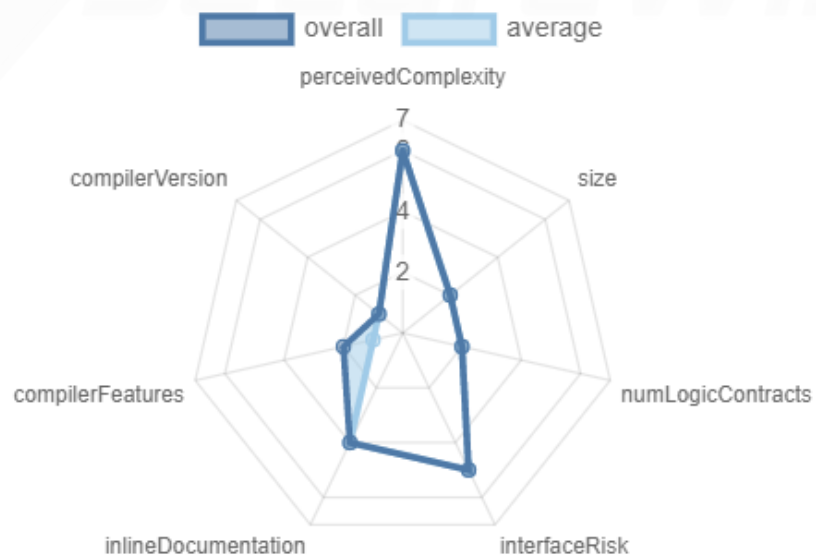
# Inheritance Graph



## Source Lines



## Risk



# Manual Review

## Low Risk

Owner has authority to change swap token amount without limit

```
function updateSwapThreshold(uint256 _swapThreshold) public onlyOwner {  
    swapThreshold = _swapThreshold;  
    emit SwapThresholdUpdated(_swapThreshold);  
}
```

## Description

**updateSwapThreshold** function updates the **swapThreshold** variable to the provided value, which represents the minimum amount of tokens required for a swap to occur.

## Recommendation

Add a validation check in the **updateSwapThreshold** function to ensure that the new **swapThreshold** value is within reasonable limits. This can be done by setting an upper and lower bound for the threshold or implementing a formula based on token supply.

# Manual Review

## Low Risk

### Owner has authority to change AMMPair

```
function setAMMPair(address pair↑, bool isPair↑) public onlyOwner {
    require(pair↑ != pairV2, "DefaultRouter: Cannot remove initial pair from list");
    _setAMMPair(pair↑, isPair↑);
}

2 references | Control flow graph | trace | funcSig
function _setAMMPair(address pair↑, bool isPair↑) private {
    AMMPairs[pair↑] = isPair↑;

    if (isPair↑) {
        excludeFromDividends(pair↑, true);
    }

    emit AMMPairsUpdated(pair↑, isPair↑);
}
```

### Description

Owner to change the AMMPair addresses, which can lead to centralization risk. The AMMPair is crucial as it controls certain transaction fees and may impact the token's functionality. The owner's ability to modify the AMMPair may raise concerns about trust and governance.

### Recommendation

Consider removing the ability for the owner to change the AMMPair addresses after the token deployment. This will help in achieving decentralization and reducing centralization risks. Alternatively, if AMMPair management is necessary, implement a multi-signature mechanism involving multiple parties.

# Manual Review

## Informational

### Owner has the authority to exclude account from dividend

```
function excludeFromDividends(address account↑, bool isExcluded↑) public override onlyOwner {  
    dividendTracker.excludeFromDividends(account↑, balanceOf(account↑), isExcluded↑);  
}
```

## Description

**excludeFromDividends** function, designed to exclude a specified account from receiving dividends.

## Recommendation

While assuming input validation occurs before invoking this function, it is advisable to explicitly validate the account parameter to ensure its conformity as a valid address. Implementing error-handling mechanisms to gracefully manage potential exceptions is also recommended. Ensure that appropriate access control mechanisms are in place to restrict the **excludeFromDividends** function to only be called by the contract owner

# Manual Review

## Informational

### Owner has the authority to update total fees max 25%

```
function rewardsFeesSetup(uint16 _buyFee, uint16 _sellFee, uint16 _transferFee) public onlyOwner {
    rewardsFees = [_buyFee, _sellFee, _transferFee];

    totalFees[0] = 0 + marketingFees[0] + rewardsFees[0];
    totalFees[1] = 0 + marketingFees[1] + rewardsFees[1];
    totalFees[2] = 0 + marketingFees[2] + rewardsFees[2];
    require(totalFees[0] <= 2500 && totalFees[1] <= 2500 && totalFees[2] <= 2500, "TaxesDefaultRouter: Cannot exceed max total fee of 25%");

    emit rewardsFeesUpdated(_buyFee, _sellFee, _transferFee);
}
```

```
function marketingFeesSetup(uint16 _buyFee, uint16 _sellFee, uint16 _transferFee) public onlyOwner {
    marketingFees = [_buyFee, _sellFee, _transferFee];

    totalFees[0] = 0 + marketingFees[0] + rewardsFees[0];
    totalFees[1] = 0 + marketingFees[1] + rewardsFees[1];
    totalFees[2] = 0 + marketingFees[2] + rewardsFees[2];
    require(totalFees[0] <= 2500 && totalFees[1] <= 2500 && totalFees[2] <= 2500, "TaxesDefaultRouter: Cannot exceed max total fee of 25%");

    emit marketingFeesUpdated(_buyFee, _sellFee, _transferFee);
}
```

## Description

Owner can change marketingFees rewardFees and transferFees overall totalFees for buy<=25 and totalFees for sell <=25 and totalFees for transfer <=25

## Recommendation

No specific recommendation is necessary for the these function at this time. However, it is important to ensure that the function is being used appropriately and that the owner's ability to change the fees rates.

# Manual Review

## Informational

### Owner can exclude specific accounts from paying fees

```
function excludeFromFees(address account↑, bool isExcluded↑) public onlyOwner {  
    isExcludedFromFees[account↑] = isExcluded↑;  
    emit ExcludeFromFees(account↑, isExcluded↑);  
}
```

## Description

**excludeFromFees** allows the contract owner to modify the exclusion status of an account from fees by updating the `_isExcludedFromFees` mapping.

## Recommendation

No specific recommendation is necessary for the **excludeFromFees** function at this time. However, it is important to ensure that the function is being used appropriately and that the owner's ability to exclude or include accounts from fees is clearly documented and understood.

# Disclaimer

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