AUDIT REPORT

SecureWise

COINFLIP (FLIP)

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Quick Result

Quick Result	Status
Owner can mint ?	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

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CoinFlip (Flip) as PASSED the smart contract audit.

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 fxed as soon as possible.
Low	Effects are minimal in isolation and do not pose a signifcant danger to the project or its users. Issues under this classifcation 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	1	0	0
Informational	3	0	0
Total	4	0	0

Contents

Overview

Token Name: CoinFlip (**Flip**)

Language: Solidity

Contract Address: 0x0A64CF5A0eFfCf86825a1e981a9a446226a405F5

Network: Ethereum

Supply: 10000000000

KYC: No KYC

Website: https://coinflip.vip

Twitter: https://twitter.com/CoinFlip_ETH

Telegram: https://t.me/Flip_Eth

Report Date: July 1, 2023

Testnet:

https://testnet.bscscan.com/address/0x4cB901764D34a3A94259C0C502767A3500ada510

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.

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Findings Summary

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

Centralization Findings

⚠	Owner has the authority to change swap token amount to setting "0"
⚠	Owner has the authority to exclude account from fees

Logical Findings

⚠	Using an old version of solidity compiler
⚠	Lack of zero address check

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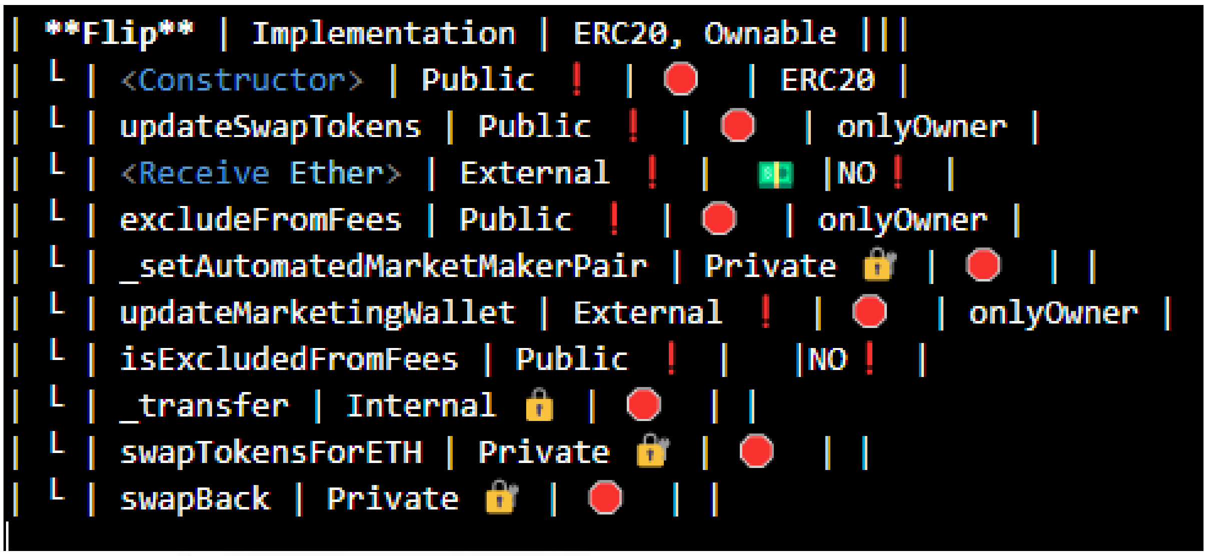
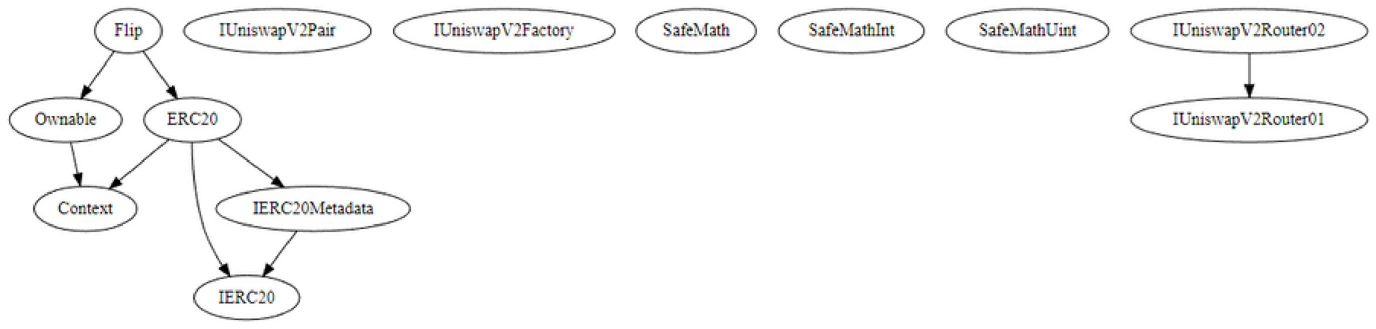
CoinFlip (Flip) as PASSED the smart contract audit.

Function Privileges

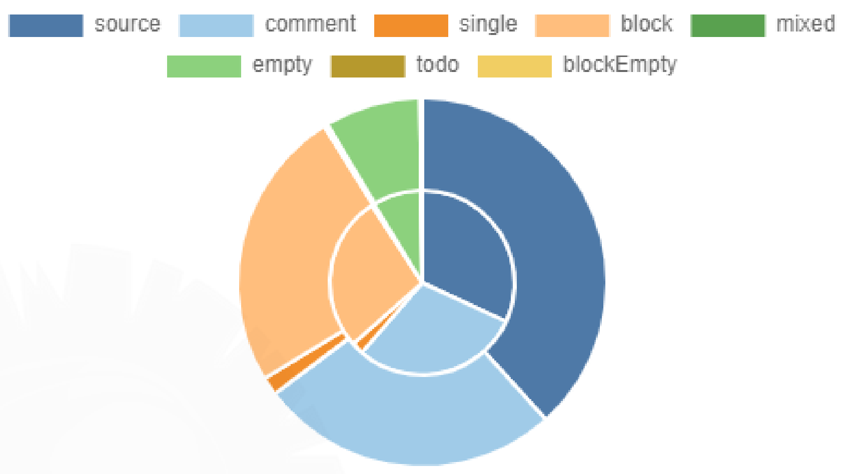


```
| **Flip** | Implementation | ERC20, Ownable |||
| └ | <Constructor> | Public ❗️ | 🛑  | ERC20 |
| └ | updateSwapTokens | Public ❗️ | 🛑  | onlyOwner |
| └ | <Receive Ether> | External ❗️ | 💵 |NO❗️ |
| └ | excludeFromFees | Public ❗️ | 🛑  | onlyOwner |
| └ | _setAutomatedMarketMakerPair | Private 🔐 | 🛑  | |
| └ | updateMarketingWallet | External ❗️ | 🛑  | onlyOwner |
| └ | isExcludedFromFees | Public ❗️ |   |NO❗️ |
| └ | _transfer | Internal 🔒 | 🛑  | |
| └ | swapTokensForETH | Private 🔐 | 🛑  | |
| └ | swapBack | Private 🔐 | 🛑  | |
```

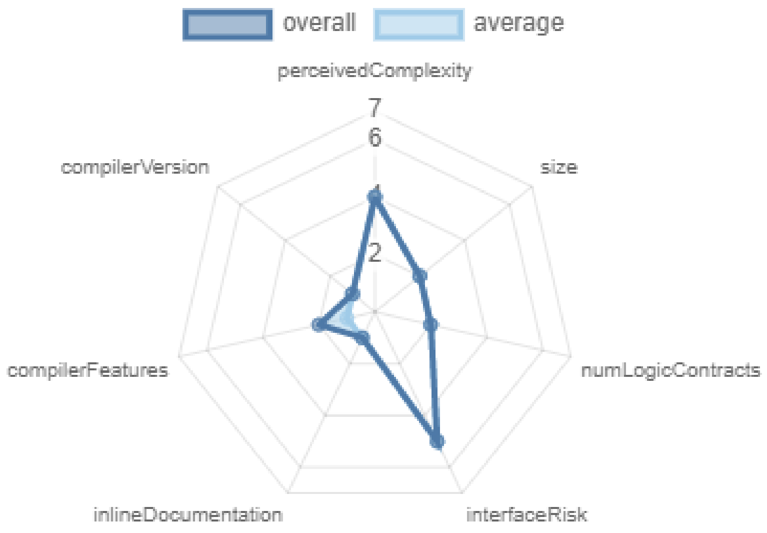
Inheritance Graph



Source Lines



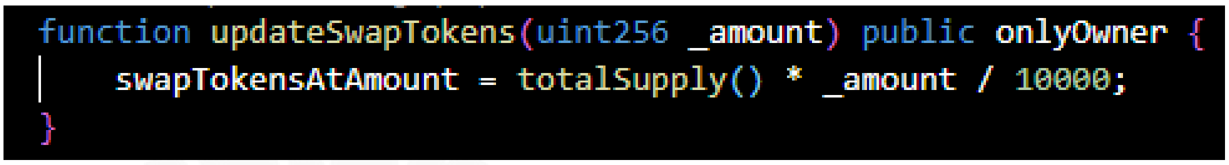
Risk



Manual Review

Low Risk

Owner has the authority to change swap token amount to setting "0"



```
function updateSwapTokens(uint256 _amount) public onlyOwner {
    swapTokensAtAmount = totalSupply() * _amount / 10000;
}
```

Description

swapTokensAtAmount *variable can be modified by the owner, potentially allowing them to disable token swapping or create imbalances in token distribution. This introduces the risk of unfair practices or market manipulation*

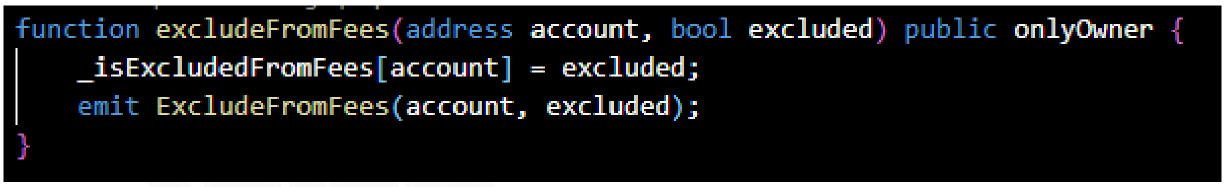
Recommendation

Consider implementing measures to limit the owner's ability to freely modify the swapTokensAtAmount variable, such as setting a reasonable upper lower bound or utilizing timelocks and multi-signature requirements for modifications.

Manual Review

Informational

Owner has the authority to exclude account from fees



```
function excludeFromFees(address account, bool excluded) public onlyOwner {
    _isExcludedFromFees[account] = excluded;
    emit ExcludeFromFees(account, excluded);
}
```

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.*

Manual Review

Informational

Old Version of Solidity Compiler version

```
pragma solidity 0.8.11;
```

Description

Using an old version prevents access to new Solidity security checks. We also recommend avoiding complex pragma statement. Contracts should be deployed with the same compiler version and flags that they have been tested with thoroughly.

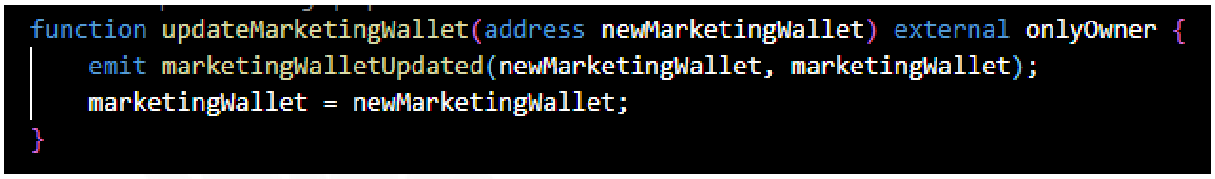
Recommendation

Use a simple pragma version that allows any of these versions. Consider using the latest version of Solidity for testing.

Manual Review

Informational

Lack of zero address check



```
function updateMarketingWallet(address newMarketingWallet) external onlyOwner {
    emit marketingWalletUpdated(newMarketingWallet, marketingWallet);
    marketingWallet = newMarketingWallet;
}
```

Description

Detect missing zero address validation.

Recommendation

Check that the address is not zero.

Disclaimer

SecureWise provides the smart contract audit of solidity. Audit and report are for informational purposes only and not, nor should be considered, as an endorsement to engage with, invest in, participate, provide an incentive, or disapprove, criticise, discourage, or purport to provide an opinion on any particular project or team.

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