

# Smart Contract Vulnerability Audit

## CoinViewCap

March 26, 2022



# Smart Contract – Audit Overview

## Project Summary

|              |  |
|--------------|--|
| Project Name | CoinViewCap                                |
| Platform     | Ethereum                                   |
| Language     | Solidity                                   |
| Commits      | 0x22b59a7387F7D25fe2b1c692Ee825e1802E6E3d5 |

## Audit Summary

|                     |                                |
|---------------------|--------------------------------|
| Delivery Date       | March 27, 2022                 |
| Method of Audit     | Human and AI                   |
| Consultants Engaged | Two                            |
| Timeline            | March 25 2022 – March 28, 2022 |

## Vulnerability Summary

| Vulnerability Level | Total | Resolved |
|---------------------|-------|----------|
| Critical            | 0     | ✓        |
| Major               | 0     | ✓        |
| Medium              | 0     | ✓        |
| Minor               | 0     | ✓        |

# Smart Contract - Contract Overview

All information is recorded as of 03/26/2022.

|                      |  |
|----------------------|--|
| Contract Name        | COINVIEWCAP                                |
| Contract Ticker      | CVC  |
| Contract Address     | 0x22b59a7387F7D25fe2b1c692Ee825e1802E6E3d5 |
| Contract Creator     | 0xD92572Adb36FF50A7EA1d7e8C09F91B6981753BA |
| Decimals             | 9  |
| Total Supply         | 1,000,000,000,000,000                      |
| Token Holders        | 1  |
| Token Transfers      | 1  |
| Compiler Version     | v0.8.9+commit.e5eed63a                     |
| Source Code          | Solidity                                   |
| Optimization Enabled | Yes with 200 runs                          |
| Other Settings       | default evmVersion, MIT license            |
| Verification         | Verified                                   |

# Smart Contract - Vulnerabilities

| Vulnerability Tested                 | Human Review  | Ai Review   | Line(s) Affected | Results   |
|--------------------------------------|---|---|------------------|---|
| Function Default Visibility          |    |    |                  |    |
| Integer Overflow and Underflow       |    |    |                  |    |
| Outdated Compiler Version            |    |    |                  |    |
| Unchecked Call Return Value          |  |  |                  |  |
| Unprotected Ether Withdrawal         |  |  |                  |  |
| Unprotected SELFDESTRUCT Instruction |  |  |                  |  |
| Unencrypted Private Data On-Chain    |  |  |                  |  |

# Smart Contract - Vulnerabilities

| Vulnerability Tested                 | Human Review  | Ai Review   | Line(s) Affected | Results   |
|--------------------------------------|---|---|------------------|---|
| Reentrancy                           |    |    |                  |    |
| Uninitialized Storage Pointer        |    |    |                  |    |
| Assert Violation                     |    |    |                  |    |
| Use of Deprecated Solidity Functions |  |  |                  |  |
| Delegatecall to Untrusted Callee     |  |  |                  |  |
| DoS with Failed Call                 |  |  |                  |  |
| Code With No Effects                 |  |  |                  |  |


# Smart Contract - Vulnerabilities

| Vulnerability Tested                                | Human Review  | Ai Review   | Line(s) Affected | Results   |
|---|---|---|------------------|---|
| Missing Protection against Signature Replay Attacks |    |    |                  |    |
| Lack of Proper Signature Verification               |    |    |                  |    |
| Requirement Violation                               |    |    |                  |    |
| Write to Arbitrary Storage Location                 |  |  |                  |  |
| Incorrect Inheritance Order                         |  |  |                  |  |
| Insufficient Gas Griefing                           |  |  |                  |  |
| Arbitrary Jump with Function Type Variable          |  |  |                  |  |

# Smart Contract - Vulnerabilities

| Vulnerability Tested                                    | Human Review  | Ai Review   | Line(s) Affected | Results   |
|---|---|---|------------------|---|
| DoS With Block Gas Limit                                |    |    |                  |    |
| Typographical Error                                     |    |    |                  |    |
| Right-To-Left-Override control character                |    |    |                  |    |
| Presence of unused variables                            |  |  |                  |  |
| Unexpected Ether balance                                |  |  |                  |  |
| Hash Collisions With Multiple Variable Length Arguments |  |  |                  |  |
| Message call with hardcoded gas amount                  |  |  |                  |  |

# Smart Contract - Vulnerabilities

| Vulnerability Tested                             | Human Review  | Ai Review   | Line(s) Affected | Results   |
|--|---|---|------------------|---|
| Transaction Order Dependence                     |    |    |                  |    |
| Block values as a proxy for time                 |    |    |                  |    |
| Signature Malleability                           |   |   |                  |   |
| Incorrect Constructor Name                       |  |  |                  |  |
| Shadowing State Variables                        |  |  |                  |  |
| Weak Sources of Randomness from Chain Attributes |  |  |                  |  |



# Smart Contract - Code Analysis

**We did not identify any minor or significant vulnerabilities within the contract code.**



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# Smart Contract - Owner Functions

| Function                  | Description                                 |
|---------------------------|---|
| setSwapAndLiquifyEnabled  | Owner can turn on auto liquidity            |
| allowtrading              | Owner can allow trading                     |
| removeBotWallet           | Owner can turn of bot wallet                |
| addBotWallet              | Owner can whitelist bot wallet              |
| clearStuckBalance         | Owner can clear balance in contract         |
| claimOtherTokens          | Owner can claim other tokens in in contract |
| claimTokens               | Owner can claim tokens                      |
| setSwapThresholdAmount    | Owner can set swap amount                   |
| setMaxTxAmount            | Owner can set max tx amount                 |
| setMaxWalletSizePercent   | Owner can set max wallet                    |
| setLiquidityFeePercent    | Owner can set liquidity fee                 |
| setTaxFeePercent          | Owner can set tax fee                       |
| setTeamAndMarketingWallet | Owner can set team/marketing wallet         |
| setMarketingFeePercent    | Owner can set marketing fee                 |
| includeInFee              | Owner can include address in fee            |
| excludeFromFee            | Owner can whitelist address in fee          |
| includeInReward           | Owner can include address in reward         |
| excludeFromReward         | Owner can whitelist address from reflection |
| airdropArray              | Owner can airdrop new holders               |
| airdrop                   | Owner can airdrop                           |
| renounceOwnership         | Owner can renounce contract                 |
| transferOwnership         | Owner can transfer ownership                |
| lock                      | Owner can lock ownership                    |

# Smart Contract - Contract Functions

## + [Int] IERC20

- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer #
- [Ext] allowance
- [Ext] approve #
- [Ext] transferFrom #

## + [Lib] SafeMath

- [Int] add
- [Int] sub
- [Int] mul
- [Int] div
- [Int] mod
- [Int] mod

## + Context

- [Int] \_msgSender
- [Int] \_msgData

## + [Lib] Address

- [Int] isContract
- [Int] sendValue #
- [Int] functionCall #
- [Int] functionCall #
- [Int] functionCallWithValue #
- [Int] functionCallWithValue #
- [Prv] \_functionCallWithValue #

## + Ownable (Context)

- [Pub] <Constructor> #
- [Pub] owner
- [Pub] renounceOwnership #
  - modifiers: onlyOwner
- [Pub] transferOwnership #
  - modifiers: onlyOwner
- [Pub] getUnlockTime
- [Pub] lock #
  - modifiers: onlyOwner
- [Pub] unlock #



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# Smart Contract - Contract Functions

## + [Int] IUniswapV2Factory

- [Ext] feeTo
- [Ext] feeToSetter
- [Ext] getPair
- [Ext] allPairs
- [Ext] allPairsLength
- [Ext] createPair #
- [Ext] setFeeTo #
- [Ext] setFeeToSetter #

## + [Int] IUniswapV2Pair

- [Ext] name
- [Ext] symbol
- [Ext] decimals
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] allowance
- [Ext] approve #
- [Ext] transfer #
- [Ext] transferFrom #
- [Ext] DOMAIN\_SEPARATOR
- [Ext] PERMIT\_TYPEHASH
- [Ext] nonces
- [Ext] permit #
- [Ext] MINIMUM\_LIQUIDITY
- [Ext] factory
- [Ext] token0
- [Ext] token1
- [Ext] getReserves
- [Ext] price0CumulativeLast
- [Ext] price1CumulativeLast
- [Ext] kLast
- [Ext] mint #
- [Ext] burn #
- [Ext] swap #
- [Ext] skim #
- [Ext] sync #
- [Ext] initialize #



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# Smart Contract - Contract Functions

## + [Int] IUniswapV2Router01

- [Ext] factory
- [Ext] WETH
- [Ext] addLiquidity #
- [Ext] addLiquidityETH (\$)
- [Ext] removeLiquidity #
- [Ext] removeLiquidityETH #
- [Ext] removeLiquidityWithPermit #
- [Ext] removeLiquidityETHWithPermit #
- [Ext] swapExactTokensForTokens #
- [Ext] swapTokensForExactTokens #
- [Ext] swapExactETHForTokens (\$)
- [Ext] swapTokensForExactETH #
- [Ext] swapExactTokensForETH #
- [Ext] swapETHForExactTokens (\$)
- [Ext] quote
- [Ext] getAmountOut
- [Ext] getAmountIn
- [Ext] getAmountsOut
- [Ext] getAmountsIn

## + [Int] IUniswapV2Router02 (IUniswapV2Router01)

- [Ext] removeLiquidityETHSupportingFeeOnTransferTokens #
- [Ext] removeLiquidityETHWithPermitSupportingFeeOnTransferTokens #
- [Ext] swapExactTokensForTokensSupportingFeeOnTransferTokens #
- [Ext] swapExactETHForTokensSupportingFeeOnTransferTokens (\$)
- [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens #

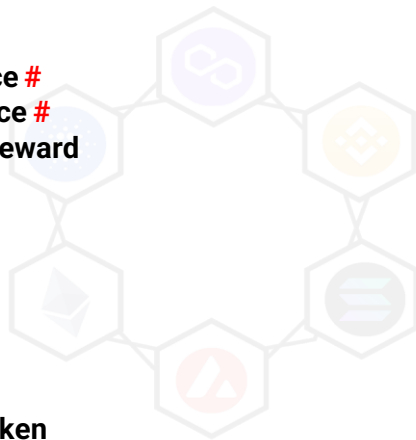
## + [Int] IAirdrop

- [Ext] airdrop #

# Smart Contract - Contract Functions

## + COINVIEWCAP (Context, IERC20, Ownable)

- [Pub] <Constructor> #
- [Pub] name
- [Pub] symbol
- [Pub] decimals
- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Pub] isExcludedFromReward
- [Pub] totalFees
- [Ext] airdrop #
  - modifiers: onlyOwner
- [Int] airdropInternal #
- [Ext] airdropArray #
  - modifiers: onlyOwner
- [Pub] deliver #
- [Pub] reflectionFromToken
- [Pub] tokenFromReflection
- [Pub] excludeFromReward #
  - modifiers: onlyOwner
- [Ext] includeInReward #
  - modifiers: onlyOwner
- [Prv] \_transferBothExcluded #
- [Pub] excludeFromFee #
  - modifiers: onlyOwner
- [Pub] includeInFee #
  - modifiers: onlyOwner
- [Pub] setMarketingFeePercent #
  - modifiers: onlyOwner
- [Pub] setTeamAndMarketingWallet #
  - modifiers: onlyOwner
- [Ext] setTaxFeePercent #
  - modifiers: onlyOwner
- [Ext] setLiquidityFeePercent #
  - modifiers: onlyOwner
- [Ext] \_setMaxWalletSizePercent #
  - modifiers: onlyOwner
- [Ext] setMaxTxAmount #
  - modifiers: onlyOwner
- [Ext] setSwapThresholdAmount #
  - modifiers: onlyOwner
- [Pub] claimTokens #



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# Smart Contract - Contract Functions

- modifiers: onlyOwner
  - [Ext] claimOtherTokens #
    - modifiers: onlyOwner
  - [Ext] clearStuckBalance #
    - modifiers: onlyOwner
  - [Ext] addBotWallet #
    - modifiers: onlyOwner
  - [Ext] removeBotWallet #
    - modifiers: onlyOwner
  - [Pub] getBotWalletStatus
  - [Ext] allowtrading #
    - modifiers: onlyOwner
  - [Pub] setSwapAndLiquifyEnabled #
    - modifiers: onlyOwner
  - [Ext] <Receive Ether> (\$)
  - [Prv] \_reflectFee #
  - [Prv] \_getValues
  - [Prv] \_getTValues
  - [Prv] \_getRValues
  - [Prv] \_getRate
  - [Prv] \_getCurrentSupply
  - [Prv] \_takeLiquidity #
  - [Prv] calculateTaxFee
  - [Prv] calculateLiquidityFee
  - [Prv] removeAllFee #
  - [Prv] restoreAllFee #
  - [Pub] isExcludedFromFee
  - [Prv] \_approve #
  - [Prv] \_transfer #
  - [Prv] swapAndLiquify #
    - modifiers: lockTheSwap
  - [Prv] swapTokensForEth #
  - [Prv] addLiquidity #
  - [Prv] \_tokenTransfer #
  - [Prv] \_transferStandard #
  - [Prv] \_transferToExcluded #
  - [Prv] \_transferFromExcluded #

(\$ ) = payable function

# = non-constant function

# Smart Contract – Mint function

This contract does not contain a mint function. We were unable to locate a mint function within the code.

## Smart Contract – Contract Ownership

Contract ownership has not been renounced at the time of the audit.

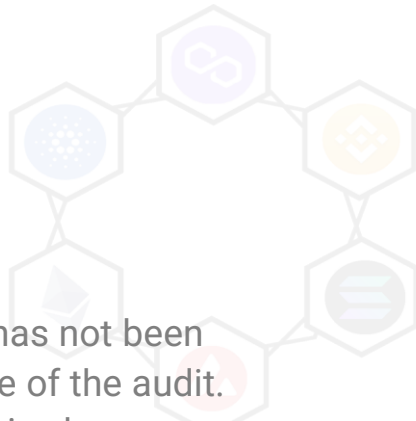
The owner's address is shown as:

[0xd92572adb36ff50a7ea1d7e8c09f91b6981753ba](https://etherscan.io/address/0xd92572adb36ff50a7ea1d7e8c09f91b6981753ba)

## Smart Contract – Locked Liquidity

Locked liquidity information was not identified on the website at the time of the audit completion.

Locked liquidity is always be subjected to change.



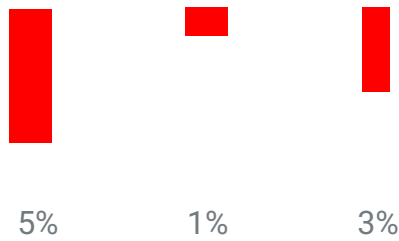
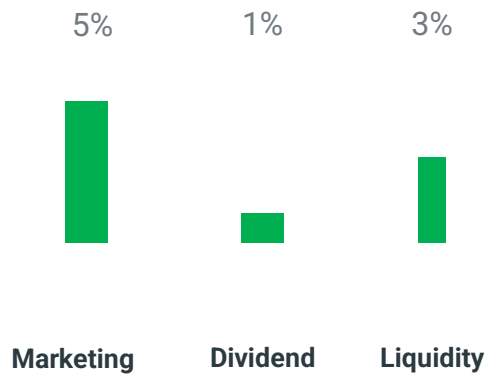
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# Smart Contract - Tokenomics

At the time of audit the transaction fees (“tax”) listed below are the fees associated with trading. These fees are taken from every buy and sell transaction unless otherwise stated. Token taxes vary by each project.

## BUYING FEE 9%



## SELLING FEE 9%

# Token Holders & Contract Analytics

## Top 100 Token Holders

CoinViewCap Top 100 Token Holders

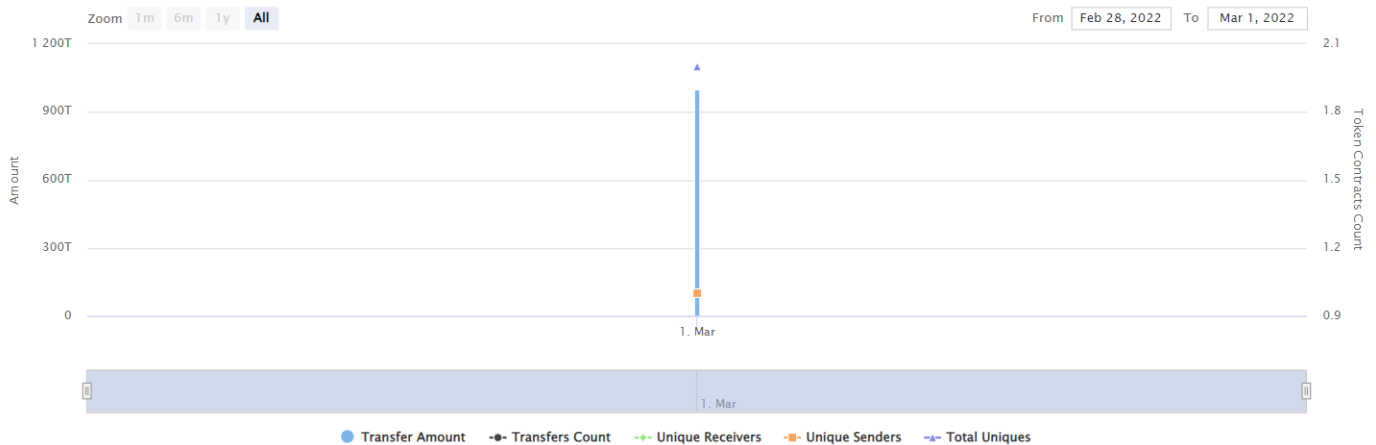
Source: Etherscan.io



## Token Contract Analytics

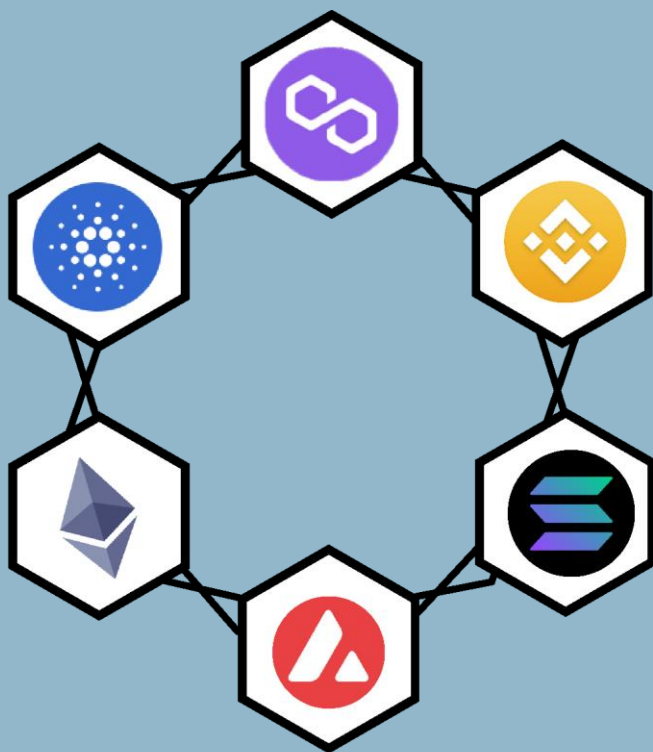
Token Contract 0x22b59a7387f7d25fe2b1c692Ee825e1802E6E3d5 (CoinViewCap)

Source: Etherscan.io



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