Cyberscope

# Audit Report

# GOLDEN REGENT İNVESTMENT

November 2022

| | |
|---|---|
| Type | BEP20 |
| Network | BSC |
| Address | 0x134C857757308AEeC4c20CA2A583F560a906ed28 |
| Audited by | © cyberscope |

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# Contract Review

| | |
|---|---|
| **Contract Name** | GOLDENREGENTINVESTMENT |
| **Compiler Version** | v0.8.17+commit.8df45f5f |
| **Optimization** | 200 runs |
| **Licence** | None |
| **Explorer** | https://bscscan.com/token/0x134C857757308AEeC4c20CA2A583F560a906ed28 |
| **Symbol** | GRI |
| **Decimals** | 18 |
| **Total Supply** | 500,000,000 |
| **Domain** | coingri.com |

# Source Files

| **Filename** | **SHA256** |
|---|---|
| **contract.sol** | d082d4b0e3dfcf051d35e6215e4dd8e526efdbfb8be828572f522ba05021c9ff |

# Audit Updates

| | |
|---|---|
| **Initial Audit** | 5th November 2022 https://github.com/cyberscope-io/audits/blob/main/0d-gri/v1/audit.pdf |
| **Corrected** | 18th November 2022 |

# Contract Analysis

● Critical ● Medium ● Minor / Informative ● Pass

| Severity | Code | Description | Status |
|---|---|---|---|
| ● | ST | Stops Transactions | Unresolved |
| ● | OCTD | Transfers Contract's Tokens | Passed |
| ● | OTUT | Transfers User's Tokens | Passed |
| ● | ELFM | Exceeds Fees Limit | Passed |
| ● | ULTW | Transfers Liquidity to Team Wallet | Passed |
| ● | MT | Mints Tokens | Passed |
| ● | BT | Burns Tokens | Passed |
| ● | BC | Blacklists Addresses | Passed |

# ST - Stops Transactions

| | |
|---|---|
| **Criticality** | medium |
| **Location** | contract.sol#L937,891 |
| **Status** | Unresolved |

## Description

The contract owner has the authority to stop the transactions for all users excluding the owner. The owner may take advantage of it by setting the `_percentageOfLiquidityForMarketing` to a value greater than 100.

```
uint256 marketingFee =
newBalance.mul(_percentageOfLiquidityForMarketing).div(100);
```

The contract owner has the authority to stop the purchases for all users excluding the owner. The owner may take advantage of it by setting the `maxWalletToken` to zero.

```
uint256 contractBalanceRecepient = balanceOf(to);
require(
    contractBalanceRecepient + amount <= maxWalletToken,
    "Exceeds maximum wallet token amount."
);
```

## Recommendation

The contract could embody a check for not allowing setting the maxWalletToken less than a reasonable amount. A suggested implementation could check that the maximum amount should be more than a fixed percentage of the total supply. The maximum value of `_percentageOfLiquidityForMarketing` should be 100.

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user

from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

# Contract Diagnostics

Critical Medium Minor / Informative

| Severity | Code | Description | Status |
|---|---|---|---|
| ● | CO | Code Optimization | Unresolved |
| ● | L02 | State Variables could be Declared Constant | Unresolved |
| ● | L04 | Conformance to Solidity Naming Conventions | Unresolved |
| ● | L05 | Unused State Variable | Unresolved |
| ● | L07 | Missing Events Arithmetic | Unresolved |
| ● | L09 | Dead Code Elimination | Unresolved |

# CO - Code Optimization

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L578 |
| **Status** | Unresolved |

## Description

There are code segments that could be optimized. A segment may be optimized so that it becomes a smaller size, consumes less memory, executes more rapidly, or performs fewer operations. The state variable `_maxTxAmount` is initialized by the total supply and can never be changed. As a result, the conditions that are using it will never be truth.

```
uint256 public  _maxTxAmount     = _tTotal;
...
if (from != owner() && to != owner()) {
    require(amount <= _maxTxAmount, "Transfer amount exceeds the maxTxAmount.");
}
...
if (contractTokenBalance >= _maxTxAmount) {
    contractTokenBalance = _maxTxAmount;
}
```

## Recommendation

Rewrite some code segments so the runtime will be more performant.

# L02 - State Variables could be Declared Constant

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L307,562,558,308,564,563 |
| **Status** | Unresolved |

## Description

Constant state variables should be declared constant to save gas.

```
_previousOwner
_name
_tTotal
_lockTime
_decimals
_symbol
```

## Recommendation

Add the constant attribute to state variables that never change.

# L04 - Conformance to Solidity Naming Conventions

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L580,579,574,372,566,389,371,568,555,578,554,581,567,409,551,766 |
| **Status** | Unresolved |

## Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

```
_uniswapV2Router
_inSwapAndLiquify
_maxTxAmount
PERMIT_TYPEHASH
_taxFee
MINIMUM_LIQUIDITY
DOMAIN_SEPARATOR
_percentageOfLiquidityForMarketing
_investingWallet
...
```

## Recommendation

Follow the Solidity naming convention.
https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions.

# L05 - Unused State Variable

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L308,307,224 |
| **Status** | Unresolved |

## Description

There are segments that contain unused state variables.

```
_lockTime
_previousOwner
MAX_INT256
```

## Recommendation

Remove unused state variables.

# L07 - Missing Events Arithmetic

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L746,766,758,753,763 |
| **Status** | Unresolved |

## Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.

```
_minTokenBalance = minimumToken
maxWalletToken = _maxToken
_liquidityFee = liquidityFee
_taxFee = taxFee
_percentageOfLiquidityForMarketing = marketingFee
```

## Recommendation

Emit an event for critical parameter changes.

# L09 - Dead Code Elimination

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L270,283,276 |
| **Status** | Unresolved |

## Description

Functions that are not used in the contract, and make the code's size bigger.

```
abs
toInt256Safe
toUint256Safe
```

## Recommendation

Remove unused functions.

# Contract Functions

| Contract | Type | Bases | | |
|---|---|---|---|---|
| | Function Name | Visibility | Mutability | Modifiers |
| | | | | |
| **IBEP20** | Interface | | | |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | | | | |
| **SafeMath** | Library | | | |
| | tryAdd | Internal | | |
| | trySub | Internal | | |
| | tryMul | Internal | | |
| | tryDiv | Internal | | |
| | tryMod | Internal | | |
| | add | Internal | | |
| | sub | Internal | | |
| | mul | Internal | | |
| | div | Internal | | |
| | mod | Internal | | |
| | sub | Internal | | |
| | div | Internal | | |
| | mod | Internal | | |
| | | | | |
| **SafeMathInt** | Library | | | |
| | mul | Internal | | |
| | div | Internal | | |
| | sub | Internal | | |
| | add | Internal | | |
| | abs | Internal | | |

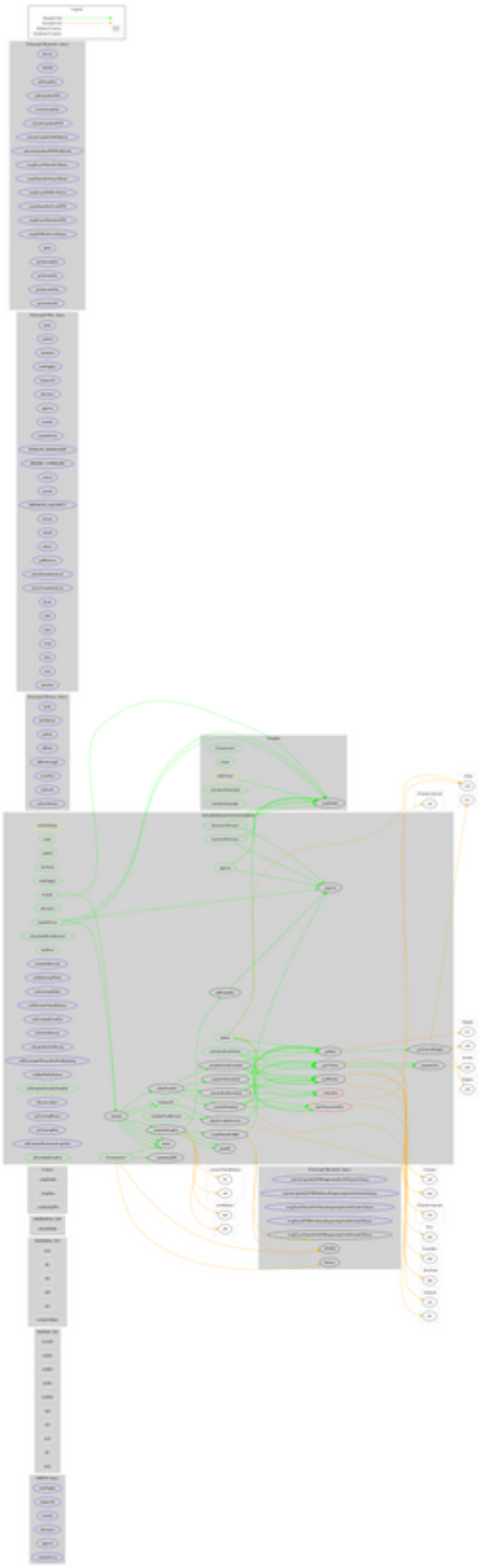
| | | | | |
|---|---|---|---|---|
| | toUint256Safe | Internal | | |
| | | | | |
| **SafeMathUint** | Library | | | |
| | toInt256Safe | Internal | | |
| | | | | |
| **Context** | Implementation | | | |
| | _msgSender | Internal | | |
| | _msgData | Internal | | |
| | _marketingWlt | Internal | | |
| | | | | |
| **Ownable** | Implementation | Context | | |
| | <Constructor> | Public | ✓ | - |
| | owner | Public | | - |
| | renounceOwnership | Public | ✓ | onlyOwner |
| | transferOwnership | Public | ✓ | onlyOwner |
| | | | | |
| **IUniswapV2Factory** | Interface | | | |
| | feeTo | External | | - |
| | feeToSetter | External | | - |
| | getPair | External | | - |
| | allPairs | External | | - |
| | allPairsLength | External | | - |
| | createPair | External | ✓ | - |
| | setFeeTo | External | ✓ | - |
| | setFeeToSetter | External | ✓ | - |
| | | | | |
| **IUniswapV2Pair** | Interface | | | |
| | name | External | | - |
| | symbol | External | | - |
| | decimals | External | | - |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |

| | | | | |
|---|---|---|---|---|
| | transfer | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | DOMAIN_SEPARATOR | External | | - |
| | PERMIT_TYPEHASH | External | | - |
| | nonces | External | | - |
| | permit | External | ✓ | - |
| | MINIMUM_LIQUIDITY | External | | - |
| | factory | External | | - |
| | token0 | External | | - |
| | token1 | External | | - |
| | getReserves | External | | - |
| | price0CumulativeLast | External | | - |
| | price1CumulativeLast | External | | - |
| | kLast | External | | - |
| | mint | External | ✓ | - |
| | burn | External | ✓ | - |
| | swap | External | ✓ | - |
| | skim | External | ✓ | - |
| | sync | External | ✓ | - |
| | initialize | External | ✓ | - |
| | | | | |
| **IUniswapV2Router01** | Interface | | | |
| | factory | External | | - |
| | WETH | External | | - |
| | addLiquidity | External | ✓ | - |
| | addLiquidityETH | External | Payable | - |
| | removeLiquidity | External | ✓ | - |
| | removeLiquidityETH | External | ✓ | - |
| | removeLiquidityWithPermit | External | ✓ | - |
| | removeLiquidityETHWithPermit | External | ✓ | - |
| | swapExactTokensForTokens | External | ✓ | - |
| | swapTokensForExactTokens | External | ✓ | - |
| | swapExactETHForTokens | External | Payable | - |
| | swapTokensForExactETH | External | ✓ | - |
| | swapExactTokensForETH | External | ✓ | - |

| | | | | |
|---|---|---|---|---|
| | swapETHForExactTokens | External | Payable | - |
| | quote | External | | - |
| | getAmountOut | External | | - |
| | getAmountIn | External | | - |
| | getAmountsOut | External | | - |
| | getAmountsIn | External | | - |
| | | | | |
| **IUniswapV2Router02** | Interface | IUniswapV2Router01 | | |
| | removeLiquidityETHSupportingFeeOnTransferTokens | External | ✓ | - |
| | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External | ✓ | - |
| | swapExactTokensForTokensSupportingFeeOnTransferTokens | External | ✓ | - |
| | swapExactETHForTokensSupportingFeeOnTransferTokens | External | Payable | - |
| | swapExactTokensForETHSupportingFeeOnTransferTokens | External | ✓ | - |
| | | | | |
| **GOLDENREGENTINVESTMENT** | Implementation | Context, IBEP20, Ownable | | |
| | <Constructor> | Public | ✓ | Ownable |
| | name | Public | | - |
| | symbol | Public | | - |
| | decimals | Public | | - |
| | totalSupply | Public | | - |
| | balanceOf | Public | | - |
| | transfer | Public | ✓ | - |
| | allowance | Public | | - |
| | approve | Public | ✓ | - |
| | transferFrom | Public | ✓ | - |
| | increaseAllowance | Public | ✓ | - |
| | decreaseAllowance | Public | ✓ | - |
| | isExcludedFromReward | Public | | - |
| | totalFees | Public | | - |
| | deliver | Public | ✓ | - |

| | | | | |
|---|---|---|---|---|
| | reflectionFromToken | Public | | - |
| | tokenFromReflection | Public | | - |
| | excludeFromReward | Public | ✓ | onlyOwner |
| | includeInReward | External | ✓ | onlyOwner |
| | setMarketingWallet | External | ✓ | onlyOwner |
| | setInvestingWallet | External | ✓ | onlyOwner |
| | setMinimumTokenBalance | External | ✓ | onlyOwner |
| | setExcludedFromFee | External | ✓ | onlyOwner |
| | setTaxFeePercent | External | ✓ | onlyOwner |
| | setLiquidityFeePercent | External | ✓ | onlyOwner |
| | setPercentageOfLiquidityForMarketing | External | ✓ | onlyOwner |
| | setMaxWalletTokens | External | ✓ | onlyOwner |
| | setSwapAndLiquifyEnabled | Public | ✓ | onlyOwner |
| | <Receive Ether> | External | Payable | - |
| | setUniswapRouter | External | ✓ | onlyOwner |
| | setUniswapPair | External | ✓ | onlyOwner |
| | setExcludedFromAutoLiquidity | External | ✓ | onlyOwner |
| | _reflectFee | Private | ✓ | |
| | _getTValues | Private | | |
| | _getRValues | Private | | |
| | _getRate | Private | | |
| | _getCurrentSupply | Private | | |
| | takeTransactionFee | Private | ✓ | |
| | calculateFee | Private | | |
| | isExcludedFromFee | Public | | - |
| | _approve | Private | ✓ | |
| | _transfer | Private | ✓ | |
| | swapAndLiquify | Private | ✓ | lockTheSwap |
| | swapTokensForBnb | Private | ✓ | |
| | addLiquidity | Private | ✓ | |
| | _tokenTransfer | Private | ✓ | |
| | _transferStandard | Private | ✓ | |
| | _transferBothExcluded | Private | ✓ | |
| | _transferToExcluded | Private | ✓ | |
| | _transferFromExcluded | Private | ✓ | |

# Contract Flow



# Domain Info

| | |
|---|---|
| **Domain Name** | coingri.com |
| **Registry Domain ID** | 7229015 |
| **Creation Date** | 2021-12-13T13:23:29Z |
| **Updated Date** | 2022-05-26T18:27:02Z |
| **Registry Expiry Date** | 2023-12-13T13:23:29Z |
| **Registrar WHOIS Server** | whois.bluehost.com |
| **Registrar URL** | http://www.bluehost.com/ |
| **Registrar** | FastDomain Inc. |
| **Registrar IANA ID** | 1154 |

The domain was created 11 months before the creation of the audit. It will expire in about 1 year.

There is no public billing information, the creator is protected by the privacy settings.

# Summary

The Smart Contract analysis reported one medium severity issue. The contract owner has the authority to stop transactions. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats. There is also a limit of max 18% fees.

# 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.

Cyberscope team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed.

The Cyberscope 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 Cyberscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

Always 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 Cyberscope team disclaims any liability for the resulting losses.

# About Cyberscope

Coinscope audit and K.Y.C. service has been rebranded to Cyberscope.

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Cyberscope and Coinscope are aiming to make crypto discoverable and efficient globally. They provide all the essential tools to assist users draw their own conclusions.



The Cyberscope team

https://www.cyberscope.io

Cyberscope

# Audit Report

# GOLDEN REGENT İNVESTMENT

November 2022

| | |
|---|---|
| Type | BEP20 |
| Network | BSC |
| Address | 0x781a900Effca0F373e76b2DCE1DB92969A217Fa2 |
| Audited by | © cyberscope |

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# Contract Review

| | |
|---|---|
| **Contract Name** | GRIcoin |
| **Compiler Version** | v0.8.17+commit.8df45f5f |
| **Optimization** | 200 runs |
| **Licence** | None |
| **Explorer** | https://bscscan.com/token/0x781a900Effca0F373e76b2DCE1DB92969A217Fa2 |
| **Symbol** | GRI |
| **Decimals** | 18 |
| **Total Supply** | 500,000,000 |
| **Domain** | coingri.com |

# Source Files

| **Filename** | **SHA256** |
|---|---|
| **contract.sol** | 5d62c8d1bcf15f8b3e1d1f900d04b6e5fc051594a42e718e5cddb27aade5e4de |

# Audit Updates

| | |
|---|---|
| **Initial Audit** | 5th November 2022 |
| **Corrected** | |

# Contract Analysis

● Critical ● Medium ● Minor / Informative ● Pass

| Severity | Code | Description | Status |
|---|---|---|---|
| ● | ST | Stops Transactions | Unresolved |
| ● | OCTD | Transfers Contract's Tokens | Passed |
| ● | OTUT | Transfers User's Tokens | Passed |
| ● | ELFM | Exceeds Fees Limit | Passed |
| ● | ULTW | Transfers Liquidity to Team Wallet | Passed |
| ● | MT | Mints Tokens | Passed |
| ● | BT | Burns Tokens | Passed |
| ● | BC | Blacklists Addresses | Passed |

# ST - Stops Transactions

| | |
|---|---|
| **Criticality** | medium |
| **Location** | contract.sol#L933,887 |
| **Status** | Unresolved |

## Description

The contract owner has the authority to stop the transactions for all users excluding the owner. The owner may take advantage of it by setting the `_percentageOfLiquidityForMarketing` to a value greater than 100.

```
uint256 marketingFee =
newBalance.mul(_percentageOfLiquidityForMarketing).div(100);
```

The contract owner has the authority to stop the purchases for all users excluding the owner. The owner may take advantage of it by setting the `maxWalletToken` to zero.

```
uint256 contractBalanceRecepient = balanceOf(to);
require(
    contractBalanceRecepient + amount <= maxWalletToken,
    "Exceeds maximum wallet token amount."
);
```

## Recommendation

The contract could embody a check for not allowing setting the maxWalletToken less than a reasonable amount. A suggested implementation could check that the maximum amount should be more than a fixed percentage of the total supply. The maximum value of `_percentageOfLiquidityForMarketing` should be 100.

The team should carefully manage the private keys of the owner's account. We strongly recommend a powerful security mechanism that will prevent a single user

from accessing the contract admin functions. That risk can be prevented by temporarily locking the contract or renouncing ownership.

# Contract Diagnostics

Critical Medium Minor / Informative

| Severity | Code | Description | Status |
|---|---|---|---|
| ● | CO | Code Optimization | Unresolved |
| ● | L02 | State Variables could be Declared Constant | Unresolved |
| ● | L04 | Conformance to Solidity Naming Conventions | Unresolved |
| ● | L05 | Unused State Variable | Unresolved |
| ● | L07 | Missing Events Arithmetic | Unresolved |
| ● | L09 | Dead Code Elimination | Unresolved |

# CO - Code Optimization

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L574 |
| **Status** | Unresolved |

## Description

There are code segments that could be optimized. A segment may be optimized so that it becomes a smaller size, consumes less memory, executes more rapidly, or performs fewer operations. The state variable `_maxTxAmount` is initialized by the total supply and can never be changed. As a result, the conditions that are using it will never be truth.

```
uint256 public  _maxTxAmount     = _tTotal;
...
if (from != owner() && to != owner()) {
    require(amount <= _maxTxAmount, "Transfer amount exceeds the maxTxAmount.");
}
...
if (contractTokenBalance >= _maxTxAmount) {
    contractTokenBalance = _maxTxAmount;
}
```

## Recommendation

Rewrite some code segments so the runtime will be more performant.

# L02 - State Variables could be Declared Constant

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L307,562,558,308,564,563 |
| **Status** | Unresolved |

## Description

Constant state variables should be declared constant to save gas.

```
_previousOwner
_name
_tTotal
_lockTime
_decimals
_symbol
```

## Recommendation

Add the constant attribute to state variables that never change.

# L04 - Conformance to Solidity Naming Conventions

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L580,579,574,372,566,389,371,568,555,578,554,581,567,409,551,766 |
| **Status** | Unresolved |

## Description

Solidity defines a naming convention that should be followed. Rule exceptions:

- Allow constant variable name/symbol/decimals to be lowercase.
- Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

```
_uniswapV2Router
_inSwapAndLiquify
_maxTxAmount
PERMIT_TYPEHASH
_taxFee
MINIMUM_LIQUIDITY
DOMAIN_SEPARATOR
_percentageOfLiquidityForMarketing
_investingWallet
...
```

## Recommendation

Follow the Solidity naming convention.
https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions.

# L05 - Unused State Variable

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L308,307,224 |
| **Status** | Unresolved |

## Description

There are segments that contain unused state variables.

```
_lockTime
_previousOwner
MAX_INT256
```

## Recommendation

Remove unused state variables.

# L07 - Missing Events Arithmetic

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L746,766,758,753,763 |
| **Status** | Unresolved |

## Description

Detected missing events for critical arithmetic parameters. There are functions that have no event emitted, so it is difficult to track off-chain changes.

```
_minTokenBalance = minimumToken
maxWalletToken = _maxToken
_liquidityFee = liquidityFee
_taxFee = taxFee
_percentageOfLiquidityForMarketing = marketingFee
```

## Recommendation

Emit an event for critical parameter changes.

# L09 - Dead Code Elimination

| | |
|---|---|
| **Criticality** | minor / informative |
| **Location** | contract.sol#L270,283,276 |
| **Status** | Unresolved |

## Description

Functions that are not used in the contract, and make the code's size bigger.

```
abs
toInt256Safe
toUint256Safe
```

## Recommendation

Remove unused functions.

# Contract Functions

| Contract | Type | Bases | | |
|---|---|---|---|---|
| | **Function Name** | **Visibility** | **Mutability** | **Modifiers** |
| | | | | |
| **IBEP20** | Interface | | | |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | transfer | External | ✓ | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | | | | |
| **SafeMath** | Library | | | |
| | tryAdd | Internal | | |
| | trySub | Internal | | |
| | tryMul | Internal | | |
| | tryDiv | Internal | | |
| | tryMod | Internal | | |
| | add | Internal | | |
| | sub | Internal | | |
| | mul | Internal | | |
| | div | Internal | | |
| | mod | Internal | | |
| | sub | Internal | | |
| | div | Internal | | |
| | mod | Internal | | |
| | | | | |
| **SafeMathInt** | Library | | | |
| | mul | Internal | | |
| | div | Internal | | |
| | sub | Internal | | |
| | add | Internal | | |
| | abs | Internal | | |

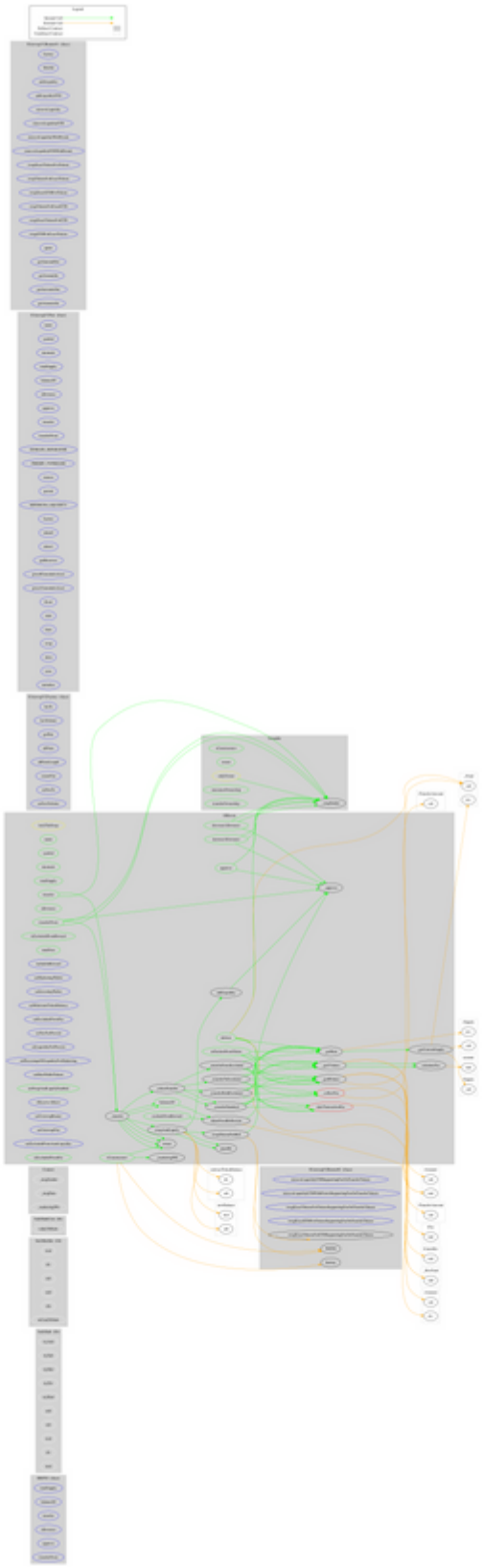
| | | | | |
|---|---|---|---|---|
| | toUint256Safe | Internal | | |
| | | | | |
| **SafeMathUint** | Library | | | |
| | toInt256Safe | Internal | | |
| | | | | |
| **Context** | Implementation | | | |
| | _msgSender | Internal | | |
| | _msgData | Internal | | |
| | _marketingWlt | Internal | | |
| | | | | |
| **Ownable** | Implementation | Context | | |
| | <Constructor> | Public | ✓ | - |
| | owner | Public | | - |
| | renounceOwnership | Public | ✓ | onlyOwner |
| | transferOwnership | Public | ✓ | onlyOwner |
| | | | | |
| **IUniswapV2Factory** | Interface | | | |
| | feeTo | External | | - |
| | feeToSetter | External | | - |
| | getPair | External | | - |
| | allPairs | External | | - |
| | allPairsLength | External | | - |
| | createPair | External | ✓ | - |
| | setFeeTo | External | ✓ | - |
| | setFeeToSetter | External | ✓ | - |
| | | | | |
| **IUniswapV2Pair** | Interface | | | |
| | name | External | | - |
| | symbol | External | | - |
| | decimals | External | | - |
| | totalSupply | External | | - |
| | balanceOf | External | | - |
| | allowance | External | | - |
| | approve | External | ✓ | - |

| | | | | |
|---|---|---|---|---|
| | transfer | External | ✓ | - |
| | transferFrom | External | ✓ | - |
| | DOMAIN_SEPARATOR | External | | - |
| | PERMIT_TYPEHASH | External | | - |
| | nonces | External | | - |
| | permit | External | ✓ | - |
| | MINIMUM_LIQUIDITY | External | | - |
| | factory | External | | - |
| | token0 | External | | - |
| | token1 | External | | - |
| | getReserves | External | | - |
| | price0CumulativeLast | External | | - |
| | price1CumulativeLast | External | | - |
| | kLast | External | | - |
| | mint | External | ✓ | - |
| | burn | External | ✓ | - |
| | swap | External | ✓ | - |
| | skim | External | ✓ | - |
| | sync | External | ✓ | - |
| | initialize | External | ✓ | - |
| | | | | |
| **IUniswapV2Router01** | Interface | | | |
| | factory | External | | - |
| | WETH | External | | - |
| | addLiquidity | External | ✓ | - |
| | addLiquidityETH | External | Payable | - |
| | removeLiquidity | External | ✓ | - |
| | removeLiquidityETH | External | ✓ | - |
| | removeLiquidityWithPermit | External | ✓ | - |
| | removeLiquidityETHWithPermit | External | ✓ | - |
| | swapExactTokensForTokens | External | ✓ | - |
| | swapTokensForExactTokens | External | ✓ | - |
| | swapExactETHForTokens | External | Payable | - |
| | swapTokensForExactETH | External | ✓ | - |
| | swapExactTokensForETH | External | ✓ | - |

| | | | | |
|---|---|---|---|---|
| | swapETHForExactTokens | External | Payable | - |
| | quote | External | | - |
| | getAmountOut | External | | - |
| | getAmountIn | External | | - |
| | getAmountsOut | External | | - |
| | getAmountsIn | External | | - |
| | | | | |
| **IUniswapV2Router02** | Interface | IUniswapV2Router01 | | |
| | removeLiquidityETHSupportingFeeOnTransferTokens | External | ✓ | - |
| | removeLiquidityETHWithPermitSupportingFeeOnTransferTokens | External | ✓ | - |
| | swapExactTokensForTokensSupportingFeeOnTransferTokens | External | ✓ | - |
| | swapExactETHForTokensSupportingFeeOnTransferTokens | External | Payable | - |
| | swapExactTokensForETHSupportingFeeOnTransferTokens | External | ✓ | - |
| | | | | |
| **GRIcoin** | Implementation | Context, IBEP20, Ownable | | |
| | <Constructor> | Public | ✓ | Ownable |
| | name | Public | | - |
| | symbol | Public | | - |
| | decimals | Public | | - |
| | totalSupply | Public | | - |
| | balanceOf | Public | | - |
| | transfer | Public | ✓ | - |
| | allowance | Public | | - |
| | approve | Public | ✓ | - |
| | transferFrom | Public | ✓ | - |
| | increaseAllowance | Public | ✓ | - |
| | decreaseAllowance | Public | ✓ | - |
| | isExcludedFromReward | Public | | - |
| | totalFees | Public | | - |
| | deliver | Public | ✓ | - |

| | | | | |
|---|---|---|---|---|
| | reflectionFromToken | Public | | - |
| | tokenFromReflection | Public | | - |
| | excludeFromReward | Public | ✓ | onlyOwner |
| | includeInReward | External | ✓ | onlyOwner |
| | setMarketingWallet | External | ✓ | onlyOwner |
| | setInvestingWallet | External | ✓ | onlyOwner |
| | setMinimumTokenBalance | External | ✓ | onlyOwner |
| | setExcludedFromFee | External | ✓ | onlyOwner |
| | setTaxFeePercent | External | ✓ | onlyOwner |
| | setLiquidityFeePercent | External | ✓ | onlyOwner |
| | setPercentageOfLiquidityForMarketing | External | ✓ | onlyOwner |
| | setMaxWalletTokens | External | ✓ | onlyOwner |
| | setSwapAndLiquifyEnabled | Public | ✓ | onlyOwner |
| | <Receive Ether> | External | Payable | - |
| | setUniswapRouter | External | ✓ | onlyOwner |
| | setUniswapPair | External | ✓ | onlyOwner |
| | setExcludedFromAutoLiquidity | External | ✓ | onlyOwner |
| | _reflectFee | Private | ✓ | |
| | _getTValues | Private | | |
| | _getRValues | Private | | |
| | _getRate | Private | | |
| | _getCurrentSupply | Private | | |
| | takeTransactionFee | Private | ✓ | |
| | calculateFee | Private | | |
| | isExcludedFromFee | Public | | - |
| | _approve | Private | ✓ | |
| | _transfer | Private | ✓ | |
| | swapAndLiquify | Private | ✓ | lockTheSwap |
| | swapTokensForBnb | Private | ✓ | |
| | addLiquidity | Private | ✓ | |
| | _tokenTransfer | Private | ✓ | |
| | _transferStandard | Private | ✓ | |
| | _transferBothExcluded | Private | ✓ | |
| | _transferToExcluded | Private | ✓ | |
| | _transferFromExcluded | Private | ✓ | |

# Contract Flow



# Domain Info

| | |
|---|---|
| **Domain Name** | coingri.com |
| **Registry Domain ID** | 7229015 |
| **Creation Date** | 2021-12-13T13:23:29Z |
| **Updated Date** | 2022-05-26T18:27:02Z |
| **Registry Expiry Date** | 2023-12-13T13:23:29Z |
| **Registrar WHOIS Server** | whois.bluehost.com |
| **Registrar URL** | http://www.bluehost.com/ |
| **Registrar** | FastDomain Inc. |
| **Registrar IANA ID** | 1154 |

The domain was created 11 months before the creation of the audit. It will expire in about 1 year.

There is no public billing information, the creator is protected by the privacy settings.

# Summary

The Smart Contract analysis reported one medium severity issue. The contract may stop the transactions if the configuration is abused. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

# 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.

Cyberscope team provides no guarantees against the sale of team tokens or the removal of liquidity by the project audited in this document. Always Do your own research and protect yourselves from being scammed.

The Cyberscope 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 Cyberscope receive a payment to manipulate those results or change the awarding badge that we will be adding in our website.

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# About Cyberscope

Coinscope audit and K.Y.C. service has been rebranded to Cyberscope.

Coinscope is the leading early coin listing, voting and auditing authority firm. The audit process is analyzing and monitoring many aspects of the project. That way, it gives the community a good sense of security using an informative report and a generic score.

Cyberscope and Coinscope are aiming to make crypto discoverable and efficient globally. They provide all the essential tools to assist users draw their own conclusions.



The Cyberscope team

https://www.cyberscope.io