Cyberscope

Audit Report

ROI MASTER ACADEMY INC

July 2022

Type	BEP20
Network	BSC
Address	0x5416f06830C7826A2ee774c53a3589e707269AB3
Audited by	© cyberscope

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Contract Review

Contract Name	CoinToken
Compiler Version	v0.8.2+commit.661d1103
Optimization	200 runs
Licence	Apache-2.0
Explorer	https://bscscan.com/token/0x5416f06830C7826A2ee774c53a3589e707269AB3
Symbol	RMAI
Decimals	9
Total Supply	98,990,465
Domain	rmai.io

Source Files

Filename	**SHA256**
contract.sol	df8ebc1495d2c8a09793a216ada0a2dbafceb74adf2bd136073d8e606c96e048

Audit Updates

Initial Audit	2nd June 2022
Corrected	15th July 2022

Contract Analysis

Critical Medium Minor Pass

Severity	Code	Description
●	ST	Contract Owner is not able to stop or pause transactions
●	OCTD	Contract Owner is not able to transfer tokens from specific address
●	OTUT	Owner Transfer User's Tokens
●	ELFM	Contract Owner is not able to increase fees more than a reasonable percent (25%)
●	ULTW	Contract Owner is not able to increase the amount of liquidity taken by dev wallet more than a reasonable percent
●	MT	Contract Owner is not able to mint new tokens
●	BT	Contract Owner is not able to burn tokens from specific wallet
●	BC	Contract Owner is not able to blacklist wallets from selling

Contract Diagnostics

Critical Medium Minor

Severity	Code	Description
	L01	Public Function could be Declared External
	L02	State Variables could be Declared Constant
	L04	Conformance to Solidity Naming Conventions
	L07	Missing Events Arithmetic
	L09	Dead Code Elimination

L01 - Public Function could be Declared External

Criticality	minor
Location	contract.sol#L406,425,434,496,500,504,508,512,517,522,526,531,537,542,547,552,556,560,564,573,617

Description

Public functions that are never called by the contract should be declared external to save gas.

```
updateFee
reflectionFromToken
deliver
totalCharity
totalBurn
totalFees
isExcluded
decreaseAllowance
increaseAllowance
...
```

Recommendation

Use the external attribute for functions never called from the contract.

L02 - State Variables could be Declared Constant

Criticality	minor
Location	contract.sol#L459,457

Description

Constant state variables should be declared constant to save gas.

```
_MAX
_GRANULARITY
```

Recommendation

Add the constant attribute to state variables that never change.

L04 - Conformance to Solidity Naming Conventions

Criticality	minor
Location	contract.sol#L398,617,452,453,454,455,457,458,459,468,469,470,473,474,475

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.

```
ORIG_CHARITY_FEE
ORIG_BURN_FEE
ORIG_TAX_FEE
_CHARITY_FEE
_BURN_FEE
_TAX_FEE
_GRANULARITY
_DECIMALFACTOR
_MAX
...
```

Recommendation

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

L07 - Missing Events Arithmetic

Criticality	minor
Location	contract.sol#L617

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.

```
_TAX_FEE = _txFee * 100
```

Recommendation

Emit an event for critical parameter changes.

L09 - Dead Code Elimination

Criticality	minor
Location	contract.sol#L361,321,331,346,356,268,295,819

Description

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

```
_getTaxFee
sendValue
isContract
functionCallWithValue
functionCall
_functionCallWithValue
```

Recommendation

Remove unused functions.

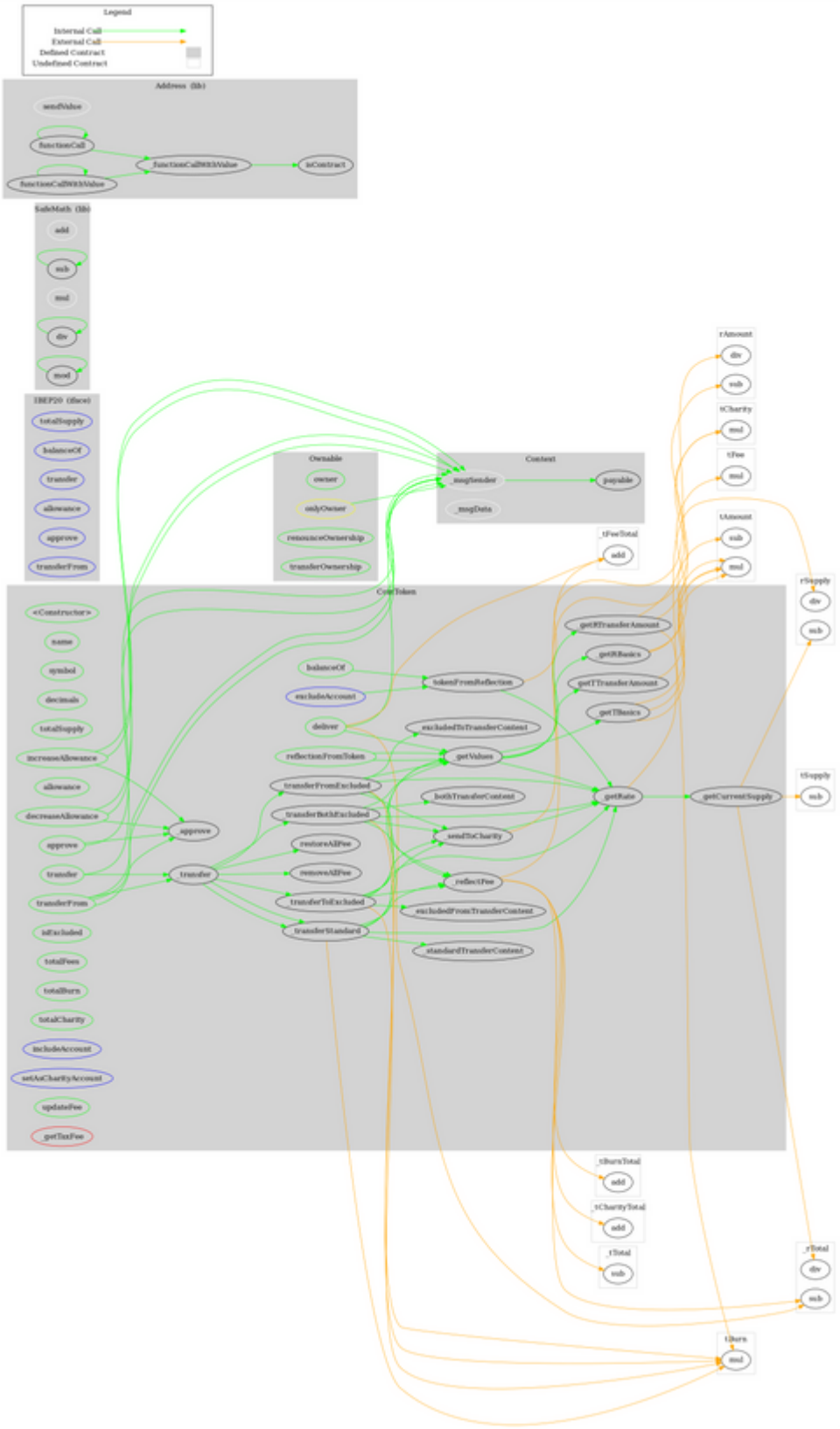
Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
IBEP20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
SafeMath	Library			
	add	Internal		
	sub	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	div	Internal		
	mod	Internal		
	mod	Internal		
Address	Library			
	isContract	Internal		
	sendValue	Internal	✓	
	functionCall	Internal	✓	
	functionCall	Internal	✓	
	functionCallWithValue	Internal	✓	

	functionCallWithValue	Internal	✓	
	_functionCallWithValue	Private	✓	
Ownable	Implementation	Context		
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
CoinToken	Implementation	Context, IBEP20, Ownable		
	<Constructor>	Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	isExcluded	Public		-
	totalFees	Public		-
	totalBurn	Public		-
	totalCharity	Public		-
	deliver	Public	✓	-
	reflectionFromToken	Public		-
	tokenFromReflection	Public		-
	excludeAccount	External	✓	onlyOwner
	includeAccount	External	✓	onlyOwner
	setAsCharityAccount	External	✓	onlyOwner
	updateFee	Public	✓	onlyOwner
	_approve	Private	✓	

	_transfer	Private	✓	
	_transferStandard	Private	✓	
	_standardTransferContent	Private	✓	
	_transferToExcluded	Private	✓	
	_excludedFromTransferContent	Private	✓	
	_transferFromExcluded	Private	✓	
	_excludedToTransferContent	Private	✓	
	_transferBothExcluded	Private	✓	
	_bothTransferContent	Private	✓	
	_reflectFee	Private	✓	
	_getValues	Private		
	_getTBasics	Private		
	getTTransferAmount	Private		
	_getRBasics	Private		
	_getRTransferAmount	Private		
	_getRate	Private		
	_getCurrentSupply	Private		
	_sendToCharity	Private	✓	
	removeAllFee	Private	✓	
	restoreAllFee	Private	✓	
	_getTaxFee	Private		

Contract Flow



Summary

ROI MASTER ACADEMY INC is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. The contract ownership is renounced and the team can no longer interact with the smart contract. The fees are fixed and can’t be changed.

Disclaimer

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The Cyberscope team

https://www.cyberscope.io

Cyberscope

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ROI MASTER ACADEMY INC

June 2022

Type	BEP20
Network	BSC
Address	0x13118451B4b12B2fbEBc909387713DEb3225117A
Audited by	© cyberscope

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Optimization	200 runs
Licence	Apache-2.0
Explorer	https://bscscan.com/token/0x13118451B4b12B2fbEBc909387713DEb3225117A
Symbol	RMAI
Decimals	9
Total Supply	98,990,546
Domain	

Source Files

Filename	**SHA256**
contract.sol	df8ebc1495d2c8a09793a216ada0a2dbafceb74adf2bd136073d8e606c96e048

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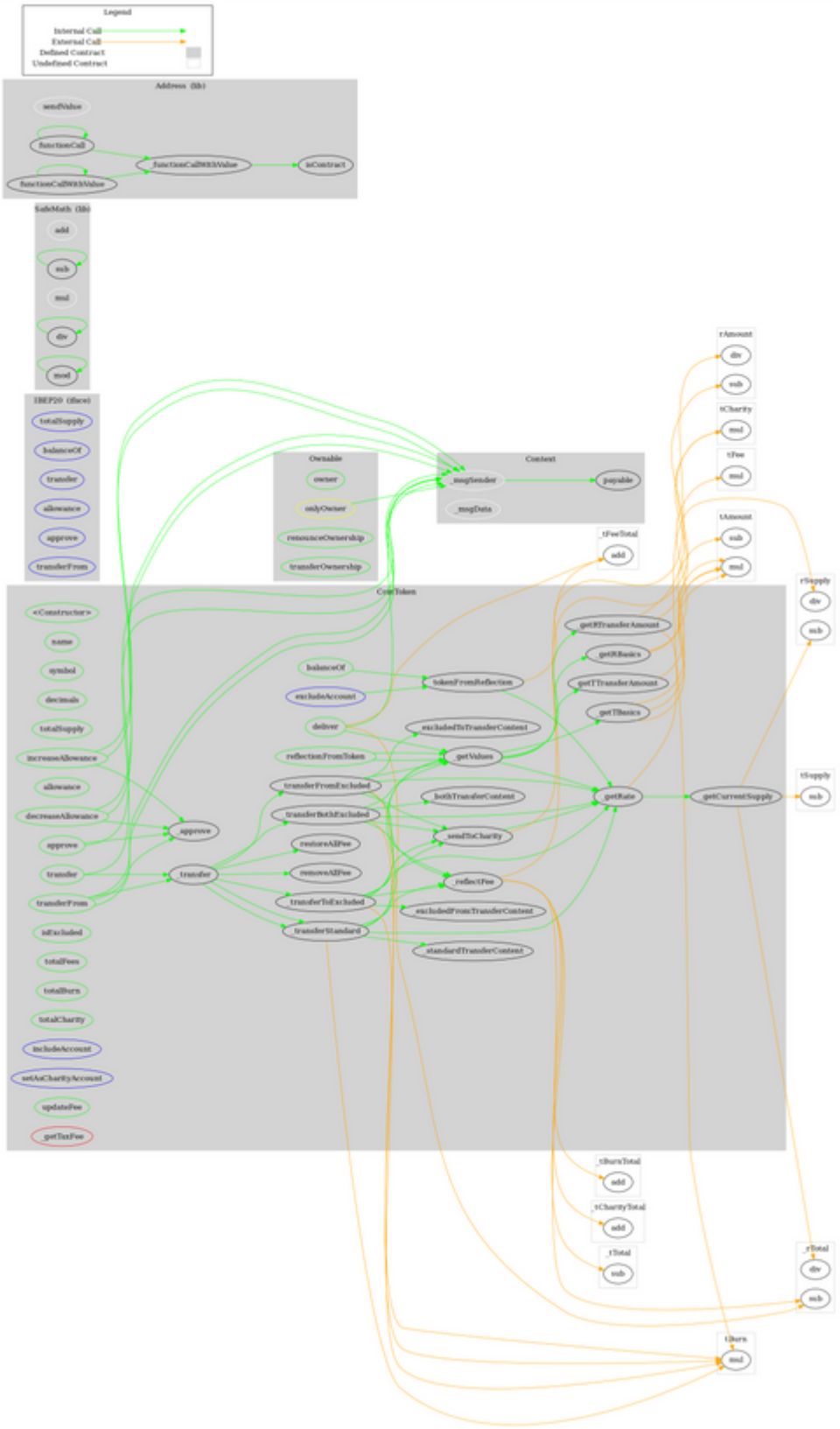
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	sub	Internal		
	sub	Internal		
	mul	Internal		
	div	Internal		
	div	Internal		
	mod	Internal		
	mod	Internal		
Address	Library			
	isContract	Internal		
	sendValue	Internal	✓	
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	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	isExcluded	Public		-
	totalFees	Public		-
	totalBurn	Public		-
	totalCharity	Public		-
	deliver	Public	✓	-
	reflectionFromToken	Public		-
	tokenFromReflection	Public		-
	excludeAccount	External	✓	onlyOwner
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	updateFee	Public	✓	onlyOwner
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	_transfer	Private	✓	
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	_standardTransferContent	Private	✓	
	_transferToExcluded	Private	✓	
	_excludedFromTransferContent	Private	✓	
	_transferFromExcluded	Private	✓	
	_excludedToTransferContent	Private	✓	
	_transferBothExcluded	Private	✓	
	_bothTransferContent	Private	✓	
	_reflectFee	Private	✓	
	_getValues	Private		
	_getTBasics	Private		
	getTTransferAmount	Private		
	_getRBasics	Private		
	_getRTransferAmount	Private		
	_getRate	Private		
	_getCurrentSupply	Private		
	_sendToCharity	Private	✓	
	removeAllFee	Private	✓	
	restoreAllFee	Private	✓	
	_getTaxFee	Private		

Contract Flow



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