



Cyberscope

Audit Report

EmirateSwap Coin

June 2022

Type BEP20

Network BSC

Address 0x48a9fdac66ad79483244957c37c0c37d3cb87f40

Audited by © cyberscope

Table of Contents

Table of Contents	1
Contract Review	3
Source Files	3
Audit Updates	3
Contract Analysis	4
Contract Diagnostics	5
L01 - Public Function could be Declared External	6
Description	6
Recommendation	6
L02 - State Variables could be Declared Constant	7
Description	7
Recommendation	7
L04 - Conformance to Solidity Naming Conventions	8
Description	8
Recommendation	8
L09 - Dead Code Elimination	9
Description	9
Recommendation	9
L11 - Unnecessary Boolean equality	10
Description	10
Recommendation	10
Contract Functions	11
Contract Flow	14
Domain Info	15
Summary	16
Disclaimer	17

Contract Review

Contract Name	EMIRATESWAPCOIN
Compiler Version	v0.7.6+commit.7338295f
Optimization	200 runs
Licence	MIT
Explorer	https://bscscan.com/token/0x48a9fDAc66AD79483244957C37C0c37d3CB87f40
Symbol	EMC
Decimals	18
Total Supply	750,000,000
Domain	emirateswap.com

Source Files

Filename	SHA256
contract.sol	e7f18b9ec4328e8158b9a6d6475adcde0e188678f82bd bea1c4df3efb81ab5ea

Audit Updates

Initial Audit	7th June 2022
Corrected	

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
●	L09	Dead Code Elimination
●	L11	Unnecessary Boolean equality

L01 - Public Function could be Declared External

Criticality	minor
Location	contract.sol#L369,377,401,420,439,457,475,494,629,644,663,694,698,720,724,728,745,750,755

Description

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

```
endCrowdsale
pauseCrowdsale
startCrowdsale
endAirDrop
stopAirDrop
startAirDrop
disablePurchaseCounter
enablePurchaseCounter
transferOwnership
...
```

Recommendation

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

L02 - State Variables could be Declared Constant

Criticality

minor

Location

contract.sol#L674,676,737,675,736

Description

Constant state variables should be declared constant to save gas.

```
RATE  
PRESALE_TOKEN  
MAX_PURCHASE  
AIRDROP_TOKEN  
ADMIN_TOKEN
```

Recommendation

Add the constant attribute to state variables that never change.

L04 - Conformance to Solidity Naming Conventions

Criticality

minor

Location

contract.sol#L655,663,674,675,676,735,736,737

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.

```
MAX_PURCHASE
RATE
PRESALE_TOKEN_SOLD
AIRDROP_TOKEN
PRESALE_TOKEN
ADMIN_TOKEN
_newOwner
onOwnershipTransferred
```

Recommendation

Follow the Solidity naming convention.

<https://docs.soliditylang.org/en/v0.4.25/style-guide.html#naming-conventions>

L09 - Dead Code Elimination

Criticality

minor

Location

contract.sol#L592

Description

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

```
_setupDecimals
```

Recommendation

Remove unused functions.

L11 - Unnecessary Boolean equality

Criticality

minor

Location

contract.sol#L707

Description

The comparison to boolean constants is redundant. Boolean constants can be used directly and do not need to be compared to true or false.

```
require(bool,string)(airdropReceivedList[msg.sender] == false,You already  
received airdrop)
```

Recommendation

Remove the equality to the boolean constant.

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
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		
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
ERC20	Implementation	Context, IERC20		

	<Constructor>	Public	✓	-
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	increaseAllowance	Public	✓	-
	decreaseAllowance	Public	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	
	_setupDecimals	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
ERC20Burnable	Implementation	Context, ERC20		
	burn	Public	✓	-
	burnFrom	Public	✓	-
Ownable	Implementation			
	<Constructor>	Public	✓	-
	transferOwnership	Public	✓	onlyOwner
EMIRATESWAP COIN	Implementation	ERC20Burnable, Ownable		
	<Constructor>	Public	✓	ERC20
	<Receive Ether>	External	Payable	-
	enablePurchaseCounter	Public	✓	onlyOwner
	disablePurchaseCounter	Public	✓	onlyOwner
	airdrop	Public	Payable	-

	startAirDrop	Public	✓	onlyOwner
	stopAirDrop	Public	✓	onlyOwner
	endAirDrop	Public	✓	onlyOwner
	startCrowdsale	Public	✓	onlyOwner
	pauseCrowdsale	Public	✓	onlyOwner
	endCrowdsale	Public	✓	onlyOwner
	buyToken	Public	Payable	-

Contract Flow



Domain Info

Domain Name	emirateswap.com
Registry Domain ID	2670945043_DOMAIN_COM-VRSN
Creation Date	2022-01-26T00:29:00.00Z
Updated Date	0001-01-01T00:00:00.00Z
Registry Expiry Date	2023-01-26T00:29:00.00Z
Registrar WHOIS Server	whois.namecheap.com
Registrar URL	http://www.namecheap.com
Registrar	NAMECHEAP INC
Registrar IANA ID	1068

The domain has been created 4 months before the creation of the audit. It will expire in 8 months.

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

Summary

EmirateSwap is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler error or critical issues. The contract Owner can access some admin functions that can not be used in a malicious way to disturb the users' transactions. The contract implements an airdrop and an IDO feature . These features can be enabled and disabled by the contract owner. If the airdrop feature is enabled, the users can send zero BNB to the contract in order to receive 500 EMC. If the IDO feature is enabled, the users receives tokens proportional to the deposited BNB amount.

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>