



Cyberscope

Audit Report

ByBarter

October 2022

Type BEP20

Network BSC

Address 0x132e27c0b6c2B9D25E820D80D6414E6Fb6795fb0

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Table of Contents

Table of Contents	1
Contract Review	2
Source Files	2
Audit Updates	3
Contract Analysis	4
Contract Diagnostics	5
L01 - Public Function could be Declared External	6
Description	6
Recommendation	6
L03 - Redundant Statements	7
Description	7
Recommendation	7
L09 - Dead Code Elimination	8
Description	8
Recommendation	8
Contract Functions	9
Contract Flow	11
Domain Info	12
Summary	13
Disclaimer	14
About Cyberscope	15

Contract Review

Contract Name	ByBarterCoin
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	Unlicense
Explorer	https://bscscan.com/token/0x132e27c0b6c2B9D25E820D80D6414E6Fb6795fb0
Symbol	BYB
Decimals	18
Total Supply	1,000,000,000
Domain	https://www.bybarter.io

Source Files

Filename	SHA256
contract.sol	73ed53e0dcbcead5afa702471c0fac1450e6e2f6b587bd6b62e952e3bd6ba713

Audit Updates

Initial Audit	29th March 2022 https://github.com/cyberscope-io/audits/blob/main/byb/v1/audit.pdf
Corrected Phase 1	8th October 2022 https://github.com/cyberscope-io/audits/blob/main/byb/v2/audit.pdf
Corrected Phase 2	17th October 2022

Contract Analysis

● Critical ● Medium ● Minor ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	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

Contract Diagnostics

● Critical ● Medium ● Minor

Severity	Code	Description	Status
●	L01	Public Function could be Declared External	Unresolved
●	L03	Redundant Statements	Unresolved
●	L09	Dead Code Elimination	Unresolved

L01 - Public Function could be Declared External

Criticality	minor / informative
Location	contract.sol#L105
Status	Unresolved

Description

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

owner

Recommendation

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

L03 - Redundant Statements

Criticality	minor / informative
Location	contract.sol#L74
Status	Unresolved

Description

The contract contains statements that are not used and have no effect. As a result, those segments increase the code size of the contract unnecessarily.

Context

Recommendation

Remove the redundant statements in order to decrease the code size.

L09 - Dead Code Elimination

Criticality	minor / informative
Location	contract.sol#L413
Status	Unresolved

Description

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

```
_burn
```

Recommendation

Remove unused functions.

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	External	✓	onlyOwner
	transferOwnership	External	✓	onlyOwner
	getUnlockTime	External		-
	lock	External	✓	onlyOwner
	unlock	External	✓	-
ByBarterCoin	Implementation	Context, IERC20, Ownable		
	<Constructor>	Public	✓	-
	name	External		-
	symbol	External		-
	decimals	External		-
	totalSupply	External		-

	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
	increaseAllowance	External	✓	-
	decreaseAllowance	External	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	

Contract Flow



Domain Info

Domain Name	bybarter.io
Registry Domain ID	98d60a1948404c58ae4ad0dd26c99cb8-DONUTS
Creation Date	2021-11-24T16:42:19Z
Updated Date	2022-04-07T21:28:07Z
Registry Expiry Date	2024-11-24T16:42:19Z
Registrar WHOIS Server	whois.godaddy.com/
Registrar URL	http://www.godaddy.com/domains/search.aspx?ci=8990
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

The domain was created 11 months before the creation of the audit. It will expire in about 2 years.

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

Summary

ByBarter Token is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler errors 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.

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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The Cyberscope team disclaims any liability for the resulting losses.

About Cyberscope

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

Cyberscope 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 provides all the essential tools to assist users draw their own conclusions.



The Cyberscope team

<https://www.cyberscope.io>



Cyberscope

Audit Report

ByBarter

March 2022

Type BEP20

Network BSC

Address 0x4c7a274eAE29d32Ac31A739b2edeee5D4f75D7a0

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Table of Contents

Table of Contents	1
Contract Review	2
Source Files	2
Audit Updates	2
Contract Analysis	3
Contract Diagnostics	4
L01 - Public Function could be Declared External	5
Description	5
Recommendation	5
Contract Functions	6
Contract Flow	8
Domain Info	9
Summary	10
Disclaimer	11
About Cyberscope	12

Contract Review

Contract Name	ByBarterCoin
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	Unlicense
Explorer	https://bscscan.com/token/0x4c7a274eAE29d32Ac31A739b2edeee5D4f75D7a0
Symbol	BYB
Decimals	18
Total Supply	1,000,000,000
Domain	bybarter.io

Source Files

Filename	SHA256
contract.sol	4d814fb282e3f9841afb755daa5ed0dd610491b49da01b6a45222911caec62ad

Audit Updates

Initial Audit	29th March 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

L01 - Public Function could be Declared External

Criticality

minor

Location

contract.sol#L105,124,133,139,144,151,209,217,234,241 and 8 more

Description

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

```
burn  
decreaseAllowance  
increaseAllowance  
transferFrom  
approve  
allowance  
transfer  
balanceOf  
totalSupply  
...
```

Recommendation

Use the external attribute for functions never called from the contract

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	getUnlockTime	Public		-
	lock	Public	✓	onlyOwner
	unlock	Public	✓	-
ByBarterCoin	Implementation	Context, IERC20, 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	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
	burn	Public	✓	onlyOwner

Contract Flow



Domain Info

Domain Name	bybarter.io
Registry Domain ID	98d60a1948404c58ae4ad0dd26c99cb8-DONUTS
Creation Date	2021-11-24T16:42:19Z
Updated Date	2021-11-29T16:43:13Z
Registry Expiry Date	2022-11-24T16:42:19Z
Registrar WHOIS Server	whois.godaddy.com
Registrar URL	http://www.godaddy.com/domains/search.aspx?ci=8990
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

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.

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ByBarter Token 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.

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Audit Report

ByBarter

October 2022

SHA256 4e2a0858474c568e9d3c767d25aaca9b77b626a0f9e8e4dcf1c19454033796ff

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Table of Contents

Table of Contents	1
Contract Review	2
Source Files	2
Audit Updates	2
Contract Analysis	3
Contract Diagnostics	4
L09 - Dead Code Elimination	5
Description	5
Recommendation	5
Contract Functions	6
Contract Flow	8
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About Cyberscope	12

Contract Review

Contract Name	ByBarterCoin
Compiler Version	v0.8.7+commit.e28d00a7
Testing Deploy	https://testnet.bscscan.com/token/0xe50c9b5Ef466bEe975a357577813E8DB0616825a
Symbol	BYB
Decimals	18
Total Supply	1,000,000,000
Domain	bybarter.io

Source Files

Filename	SHA256
contract.sol	4e2a0858474c568e9d3c767d25aaca9b77b626a0f9e8e4dcf1c19454033796ff

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Contract Diagnostics

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Severity	Code	Description	Status
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L09 - Dead Code Elimination

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	unlock	External	✓	-
ByBarterCoin	Implementation	Context, IERC20, Ownable		
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	name	External		-
	symbol	External		-
	decimals	External		-
	totalSupply	External		-

	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
	increaseAllowance	External	✓	-
	decreaseAllowance	External	✓	-
	_transfer	Internal	✓	
	_mint	Internal	✓	
	_burn	Internal	✓	
	_approve	Internal	✓	

Contract Flow



Domain Info

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Creation Date	2021-11-24T16:42:19Z
Updated Date	2021-11-29T16:43:13Z
Registry Expiry Date	2022-11-24T16:42:19Z
Registrar WHOIS Server	whois.godaddy.com
Registrar URL	http://www.godaddy.com/domains/search.aspx?ci=8990
Registrar	GoDaddy.com, LLC
Registrar IANA ID	146

The domain has been created 9 months before the creation of the audit. It will expire in 8 months.

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