Cyberscope

Audit Report

Zip Cash

October 2022

Type	BEP20
Network	BSC
Address	0x8967AF94Ac87c3ed87725D6a85163c388Eff80FE
Audited by	© cyberscope

Table of Contents

Contract Review

Contract Name	ZipCashToken
Compiler Version	v0.8.17+commit.8df45f5f
Optimization	200 runs
Licence	MIT
Explorer	https://bscscan.com/token/0x8967AF94Ac87c3ed87725D6a85163c388Eff80FE
Symbol	Zip
Decimals	18
Total Supply	100,000,000,000
Domain	https://zipcashfinance.com

Source Files

Filename	SHA256
contract.sol	f8f9773b67edf08de04431bd105b7a6076f86dd05a1b23d95a57c177dabc05a3

Audit Updates

Initial Audit	6th October 2022
Corrected	

Contract Analysis

● Critical   ● Medium   ● Minor / Informative   ● 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 / Informative

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#L302,259,178,290,311,385,322,187,366,283,340,251
Status	Unresolved

Description

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

```
transfer
symbol
renounceOwnership
balanceOf
allowance
decreaseAllowance
approve
transferOwnership
increaseAllowance
...
```

Recommendation

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

L03 - Redundant Statements

Criticality	minor / informative
Location	contract.sol#L243,119
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.

```
ZipCashToken
Context
```

Recommendation

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

L09 - Dead Code Elimination

Criticality	minor / informative
Location	contract.sol#L442,457,469
Status	Unresolved

Description

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

```
mint
_burn
burn
```

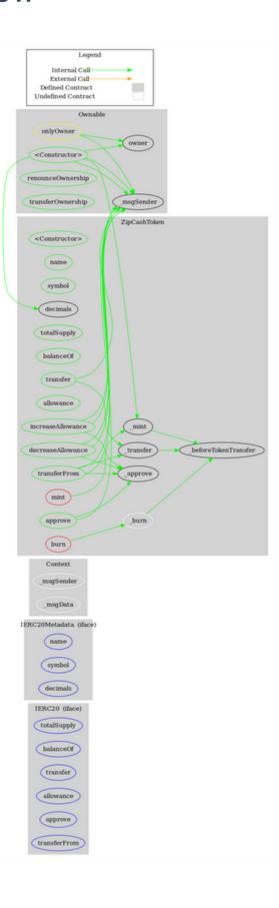## Recommendation

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	✓	-
IERC20Metad ata	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
ZipCashToken	Implementation	Context, IERC20, IERC20Met adata, 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	✓	
	mint	Private	✓	onlyOwner
	_burn	Internal	✓	
	burn	Private	✓	onlyOwner
	_approve	Internal	✓	
	_beforeTokenTransfer	Internal	✓	

Contract Flow

Domain Info

Domain Name	zipcashfinance.com
Registry Domain ID	2724688585_DOMAIN_COM-VRSN
Creation Date	2022-09-11T18:53:53.00Z
Updated Date	0001-01-01T00:00:00.00Z
Registry Expiry Date	2023-09-11T18:53:53.00Z
Registrar WHOIS Server	whois.namecheap.com
Registrar URL	http://www.namecheap.com
Registrar	NAMECHEAP INC
Registrar IANA ID	1068

The domain was created 25 days before the creation of the audit. It will expire in 11 months.

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

Summary

Zip Cash 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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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