Cyberscope

Audit Report

Metarix

July 2022

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Contract Review

Contract Name	Metarix
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	None
Explorer	https://testnet.bscscan.com/address/0xcad1403b3887 7b25b76084ee42e71ff13f8af879
Symbol	MTRX
Decimals	18
Total Supply	1,199,999,990
Domain	https://metarix.network

Source Files

Filename	**SHA256**
contract.sol	ece7d26926d0bdf402fff7c9177fff332b2c3e68eb7cc71 0876e43b712a55a5b

Audit Updates

Initial Audit	19th July 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#L301,563,344,213,244,256,324,205,237,279,548

Description

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

```
burn
approve
totalSupply
name
increaseAllowance
transfer
balanceOf
symbol
decreaseAllowance
...
```

Recommendation

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

Contract Functions

Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
IERC20Metadata	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
ERC20	Implementation	Context, IERC20, IERC20Metadata		
	<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	✓	
	_spendAllowance	Internal	✓	
	_beforeTokenTransfer	Internal	✓	
	_afterTokenTransfer	Internal	✓	
ERC20Burnable	Implementation	Context, ERC20		
	burn	Public	✓	-
	burnFrom	Public	✓	-
Metarix	Implementation	ERC20, ERC20Burnable		
	<Constructor>	Public	✓	ERC20

Contract Flow
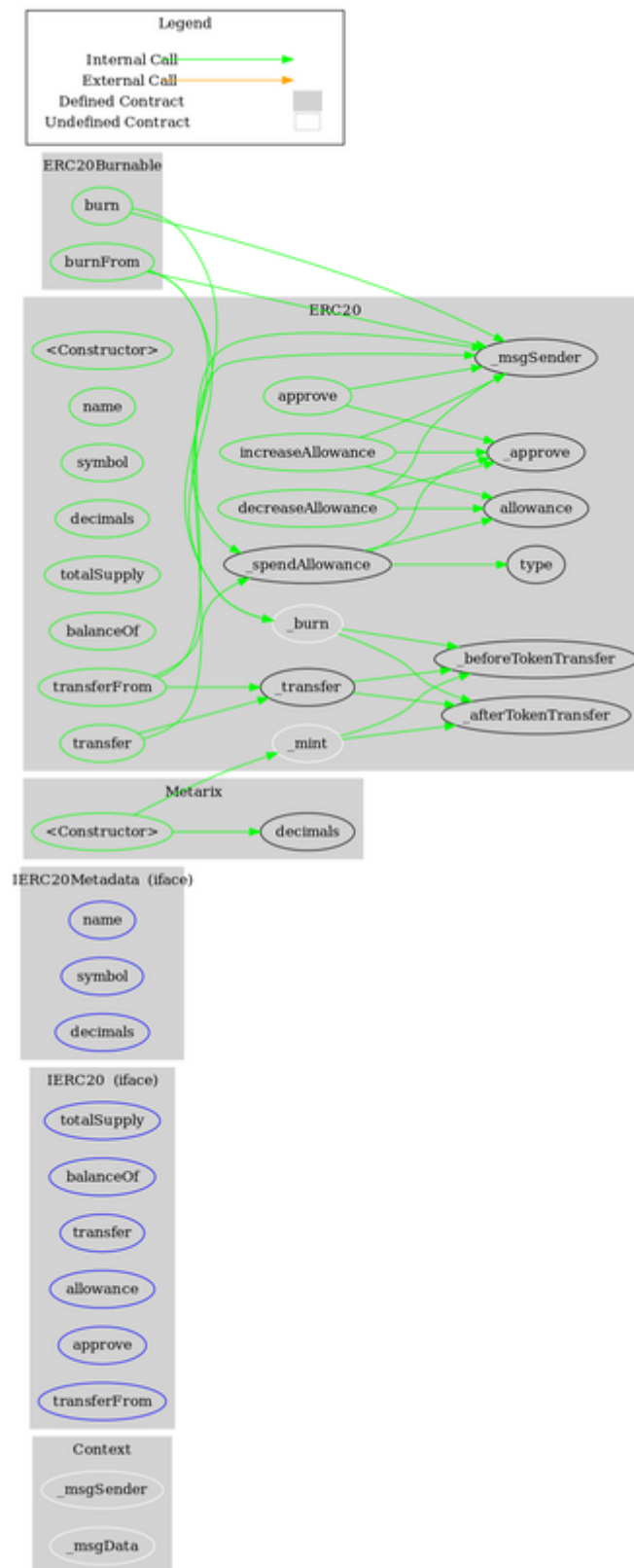
Domain Info

Domain Name	metarix.network
Registry Domain ID	b6660e7a415541b5bdb9d2bc7a07578f-DONUTS
Creation Date	2021-12-21T06:49:21Z
Updated Date	2022-05-31T15:57:29Z
Registry Expiry Date	2022-12-21T06:49:21Z
Registrar WHOIS Server	whois.namecheap.com
Registrar URL	https://www.namecheap.com/
Registrar	NameCheap, Inc.
Registrar IANA ID	1068

The domain has been created in 5 months before the creation of the audit.

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

Summary

Metarix 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.

Summary

Disclaimer

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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