Cyberscope

Audit Report

Kronos Dao

March 2022

Type	BEP20
Network	BSC
Address	0x6d3Baa4F8127f2907DBD72C7E2EF1A42432AC104
Audited by	© cyberscope

Table of Contents

Contract Review

Contract Name	KronosDao
Compiler Version	v0.8.7+commit.e28d00a7
Optimization	200 runs
Licence	MIT
Explorer	https://bscscan.com/token/0x6d3Baa4F8127f2907DBD72C7E2EF1A42432AC104
Symbol	KRONOS
Decimals	9
Total Supply	-
Source	contract.sol
Domain	kronosdao.ai

Audit Updates

Initial Audit	18th 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

MT - Mint Tokens

Criticality	critical
Location	contract.sol#L632

Description

The contract owner has the authority to mint tokens. The owner may take advantage of it by calling the `mint` function. As a result the contract tokens will be highly inflated.

```
function mint(address account, uint256 amount ) public onlyOwner{

        _mint(account,amount);
}
```

Recommendation

The owner should carefully manage the credentials of the owner's account. We advised considering an extra-strong security mechanism that the actions may be quarantined by many users instead of one. The owner could also renounce the contract ownership for a period of time or pass the access to the zero address.

Contract Diagnostics

● Critical   ● Medium   ● Minor

Severity	Code	Description
●	L01	Public Function could be Declared External
●	L09	Dead Code Elimination

L01 - Public Function could be Declared External

Criticality	minor
Location	contract.sol#L632

Description

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

```
mint
```

Recommendation

Use the external attribute for functions never called from the contract

L09 - Dead Code Elimination

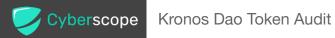|	
Criticality	minor
Location	contract.sol#L427

Description

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

```
_burn
```

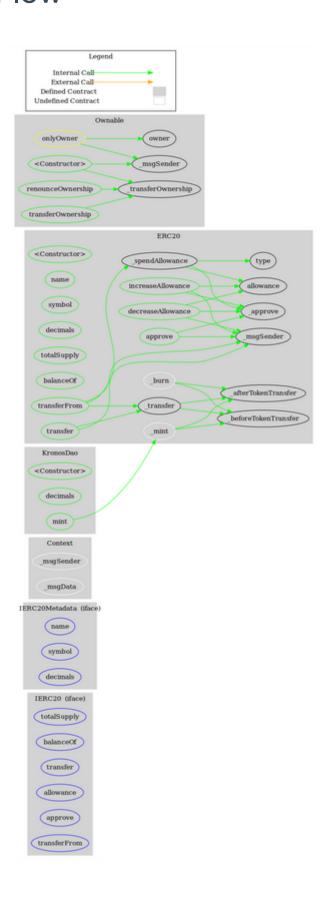## Recommendation

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	✓	-
IERC20Metadata	Interface	IERC20		
	name	External		-
	symbol	External		-
	decimals	External		-
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
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	✓	
Ownable	Implementation	Context		
	<Constructor>	Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	Internal	✓	
KronosDao	Implementation	ERC20, Ownable		
	<Constructor>	Public	✓	ERC20
	decimals	Public		-
	mint	Public	✓	onlyOwner

Contract Flow

Domain Info

Domain Name	kronosdao.ai
Registry Domain ID	1383733_nic_ai
Creation Date	2022-01-20T15:15:24.983Z
Updated Date	-
Registry Expiry Date	-
Registrar WHOIS Server	whois.nic.ai
Registrar URL	-
Registrar	Namecheap
Registrar IANA ID	-

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

Summary

The Smart Contract analysis reported one critical issue. The contract Owner has the ability to mint tokens. As a result the contract tokens will be highly inflated. Apart from that, the contract owner can access some functions that can not be used in a malicious way to disturb the users' transactions. A multi-wallet signing pattern will provide security against potential hacks. Temporarily locking the contract or renouncing ownership will eliminate all the contract threats.

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

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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

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