Cyberscope

Audit Report

SafeMoo

November 2023

Network   BSC

Address   0x5cdabc6bc3b14a77a502cce5ea05d04a0cf52557

Audited by   © cyberscope

Analysis

● Critical   ● Medium   ● Minor / Informative   ● Pass

Severity	Code	Description	Status
●	ST	Stops Transactions	Passed
●	OTUT	Transfers User's Tokens	Passed
●	ELFM	Exceeds Fees Limit	Passed
●	MT	Mints Tokens	Passed
●	BT	Burns Tokens	Passed
●	BC	Blacklists Addresses	Passed

Diagnostics

● Critical   ● Medium   ● Minor / Informative

Severity	Code	Description	Status
●	ROI	Redundant Ownable Interface	Unresolved

Table of Contents

Review

Contract Name	SAFEMOO
Compiler Version	v0.8.19+commit.7dd6d404
Optimization	200 runs
Explorer	https://bscscan.com/address/0x5cdabc6bc3b14a77a502cce5ea05d04a0cf52557
Address	0x5cdabc6bc3b14a77a502cce5ea05d04a0cf52557
Network	BSC
Symbol	SAFEMOO
Decimals	18
Total Supply	1,000,000,000

Audit Updates

Initial Audit	18 Nov 2023

Source Files

Filename	SHA256
SAFEMOO.sol	f0950f8878c782ffac092093749168053e0b9d92be0cada176a4202b5c44fbc9

Findings Breakdown
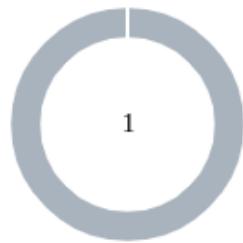
	Critical	0
	Medium	0
	Minor / Informative	1

Severity	Unresolved	Acknowledged	Resolved	Other
● Critical	0	0	0	0
● Medium	0	0	0	0
● Minor / Informative	1	0	0	0

ROI - Redundant Ownable Interface

Criticality	Minor / Informative
Location	SAFEMOO.sol#L53
Status	Unresolved

Description

The contract is a pure ERC20 token without any specific functionality related to ownership. The inclusion of the Ownable interface in the contract appears to be redundant since the token does not possess any owner-related functionality. The Ownable interface typically introduces owner-specific capabilities, such as administrative control and access privileges, which are not utilized in this particular contract.

Recommendation

Given the absence of owner-related functionality in the ERC20 token contract, we recommend evaluating the necessity of retaining the Ownable interface. If ownership-related features are not anticipated or planned for future development, the removal of the Ownable interface could simplify the contract structure without compromising functionality.

Functions Analysis

Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
Context	Implementation			
	_msgSender	Internal		
	_msgData	Internal		
Ownable	Implementation	Context		
		Public	✓	-
	owner	Public		-
	_checkOwner	Internal		
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_transferOwnership	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		
		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	✓	
SAFEMOO	Implementation	ERC20, Ownable		
		Public	✓	ERC20 Ownable

Inheritance Graph
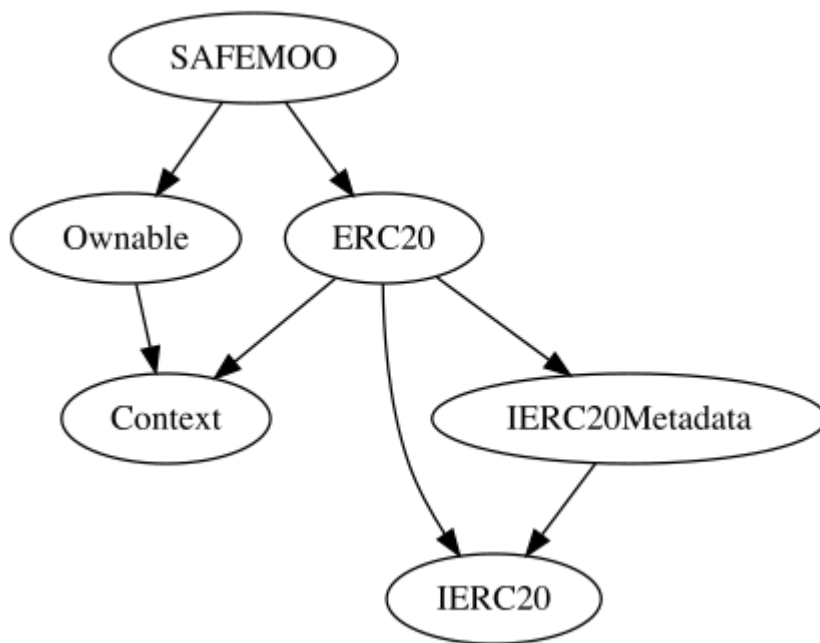
Flow Graph
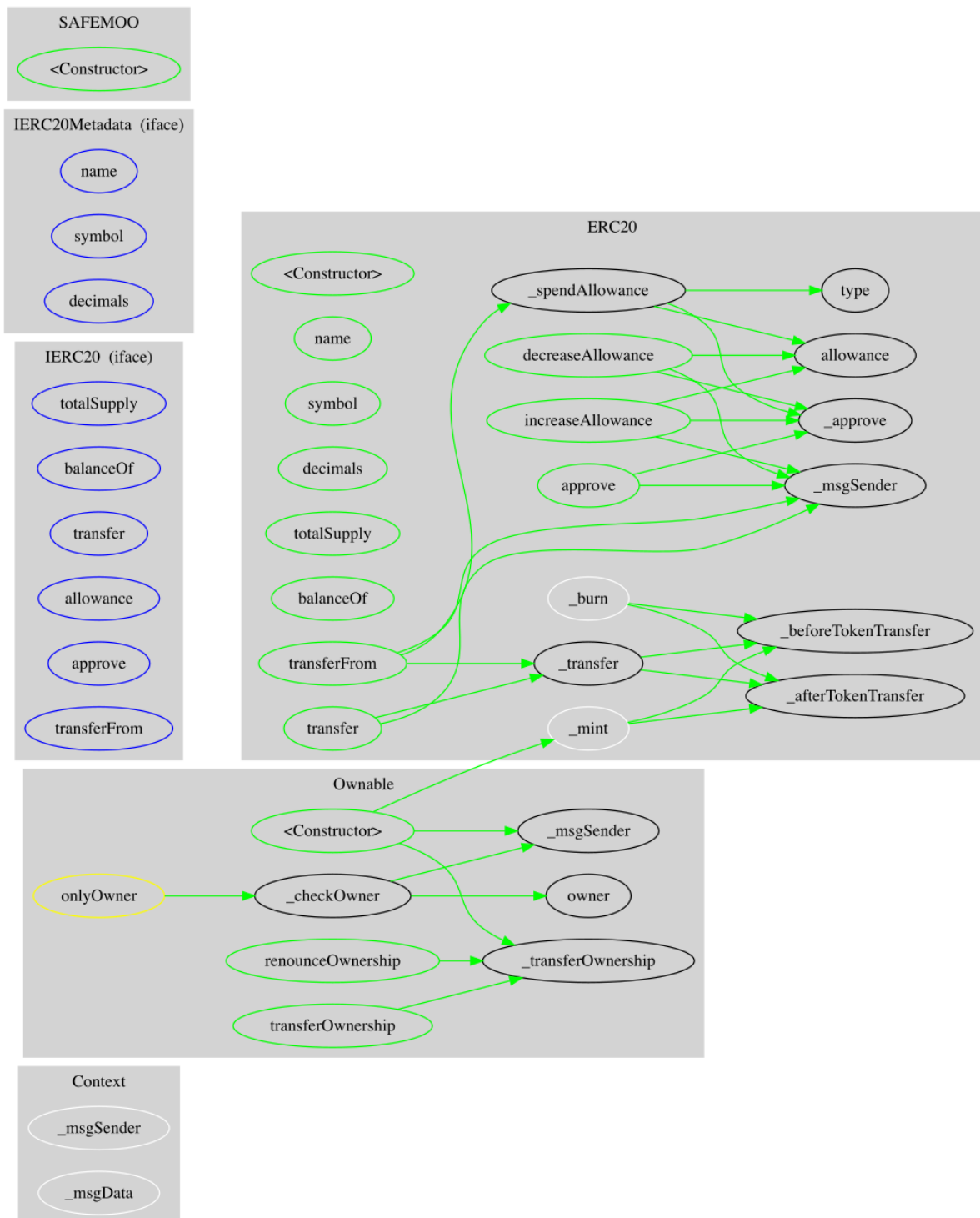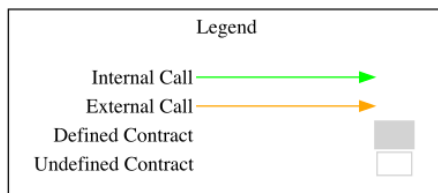
Summary

SafeMoo contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. SafeMoo 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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Cyberscope is one of the leading smart contract audit firms in the crypto space and has built a high-profile network of clients and partners.

The Cyberscope team

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