Cyberscope

Audit Report

Monkey

March 2024

Analysis

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

Table of Contents

Review

Contract Name	LiquidityGeneratorToken
Compiler Version	v0.8.16+commit.07a7930e
Optimization	200 runs
Explorer	https://bscscan.com/address/0xa4b109422d2b095c46238079655606428bfca07c
Address	0xa4b109422d2b095c46238079655606428bfca07c
Network	BSC
Symbol	MONKEY
Decimals	18
Total Supply	1,000,000,000,000,000
Badge Eligibility	Yes

Audit Updates

Initial Audit	19 Mar 2024

Source Files

Filename	SHA256
LiquidityGeneratorToken.sol	47ca8ddd5642ddc0f455bb9aaf3e03c2f30f27ff388af5b7e5fd6e49746dcd99

Findings Breakdown

Severity	Unresolved	Acknowledged	Resolved	Other
🔴 Critical	0	0	0	0
🟡 Medium	0	0	0	0
⚪ Minor / Informative	0	0	0	0

Functions Analysis

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		
Ownable	Implementation	Context		
		Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_setOwner	Private	✓	
SafeMath	Library			

	sub	Internal		
IUniswapV2Router01	Interface			
	factory	External		-
	WETH	External		-
	WETC	External		-
	WHT	External		-
	WROSE	External		-
	WAVAX	External		-
	addLiquidity	External	✓	-
	addLiquidityETH	External	Payable	-
	addLiquidityAVAX	External	Payable	-
	addLiquidityETC	External	Payable	-
	addLiquidityROSE	External	Payable	-
IUniswapV2Router02	Interface	IUniswapV2 Router01		
	swapExactTokensForETCSupportingFee OnTransferTokens	External	Payable	-
	swapExactTokensForAVAXSupportingFe eOnTransferTokens	External	Payable	-
	swapExactTokensForROSESupportingF eeOnTransferTokens	External	Payable	-
	swapExactTokensForETHSupportingFee OnTransferTokens	External	✓	-
IUniswapV2Factory	Interface			

	createPair	External	✓	-
BaseToken	Implementation			
LiquidityGeneratorToken	Implementation	IERC20, Ownable, BaseToken		
		Public	Payable	-
	getNativeCurrency	Internal		
	name	External		-
	symbol	External		-
	decimals	External		-
	totalSupply	External		-
	balanceOf	Public		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
	increaseAllowance	External	✓	-
	decreaseAllowance	External	✓	-
	isExcludedFromReward	External		-
	totalFees	External		-
	deliver	External	✓	-
	reflectionFromToken	External		-
	tokenFromReflection	Public		-

excludeFromReward	External	✓	onlyOwner
includeInReward	External	✓	onlyOwner
_transferBothExcluded	Private	✓	
excludeFromFee	External	✓	onlyOwner
includeInFee	External	✓	onlyOwner
setTaxFeePercent	External	✓	onlyOwner
setLiquidityFeePercent	External	✓	onlyOwner
setTeamFeePercent	External	✓	onlyOwner
setTeamAddress	External	✓	onlyOwner
validateTaxes	Internal		
setSwapAndLiquifyEnabled	External	✓	onlyOwner
setTokenSellToLiquify	External	✓	onlyOwner
	External	Payable	-
_getValues	Private		
_getTValues	Private		
_getRValues	Private		
_getRate	Private		
_getCurrentSupply	Private		
_takeLiquidity	Private	✓	
_takeTeamFee	Private	✓	
_reflectFee	Private	✓	
calculateTaxFee	Private		
calculateLiquidityFee	Private		

|	calculateTeamFee	Private		
	removeAllFee	Private	✓	
	restoreAllFee	Private	✓	
	getIsExcludedFromFee	Public		-
	_approve	Private	✓	
	_transfer	Private	✓	
	swapAndLiquify	Private	✓	lockTheSwap
	swapTokensForEth	Private	✓	
	addLiquidity	Private	✓	
	_tokenTransfer	Private	✓	
	_transferStandard	Private	✓	
	_transferToExcluded	Private	✓	
	_transferFromExcluded	Private	✓	

Inheritance Graph
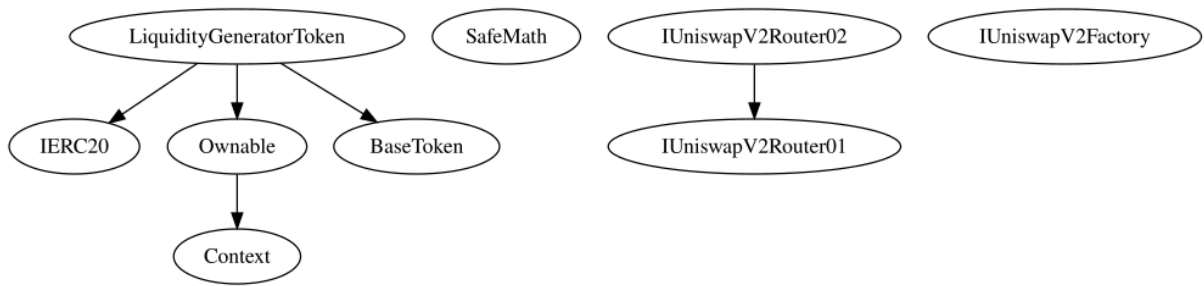
Flow Graph
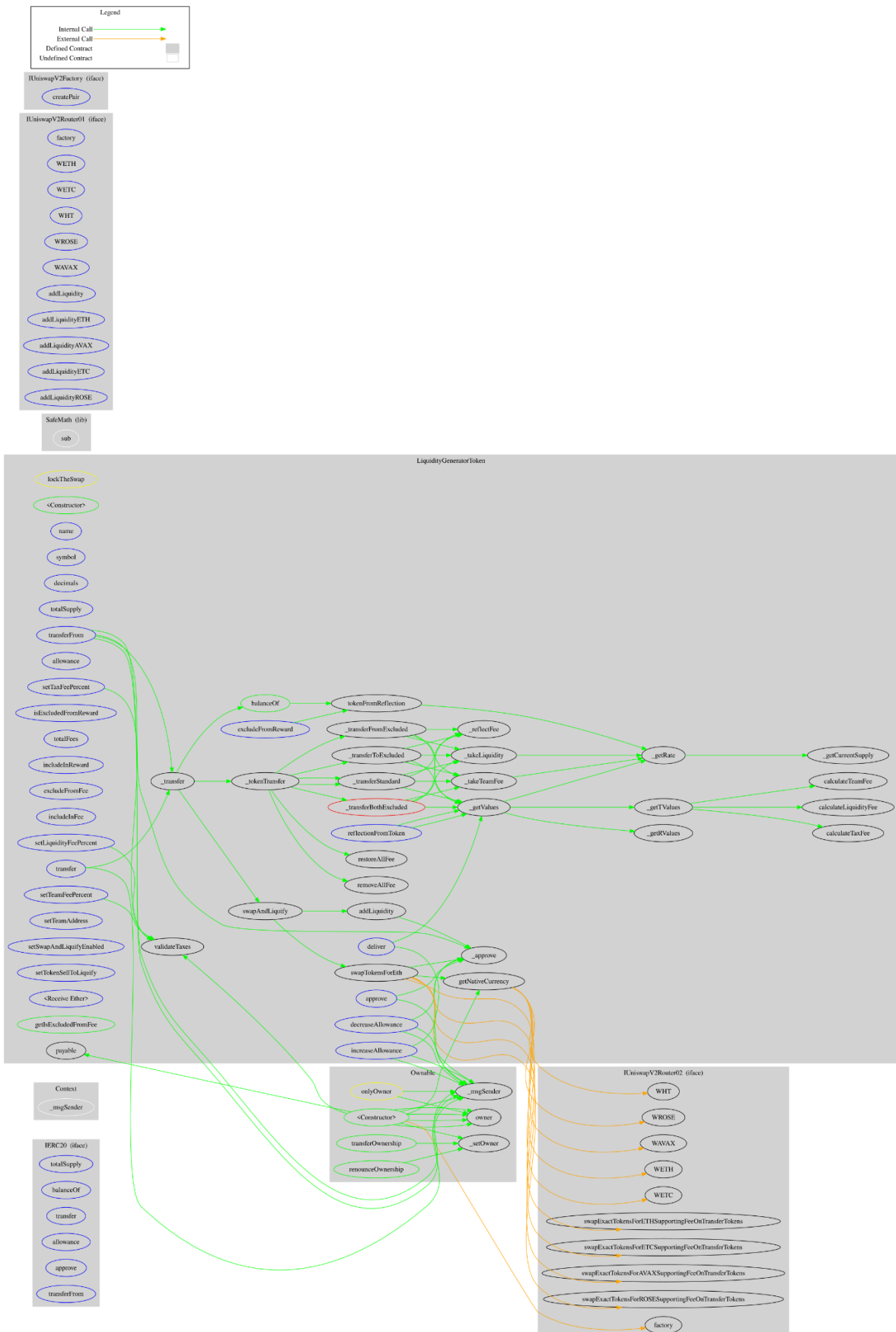
Summary

Monkey contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. Monkey 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. There is also a limit of max 20% fees.

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Cyberscope is a blockchain cybersecurity company that was founded with the vision to make web3.0 a safer place for investors and developers. Since its launch, it has worked with thousands of projects and is estimated to have secured tens of millions of investors' funds.

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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