



Cyberscope

# Audit Report

## Kita Inu

June 2023

Network    BSC

SHA256    0x4bB5B7f0865322fD5b48D430e1a117235744769b

Audited by    © cyberscope

# 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

# Table of Contents

<b>Analysis</b>	<b>1</b>
<b>Table of Contents</b>	<b>2</b>
<b>Review</b>	<b>3</b>
Audit Updates	3
Source Files	3
<b>Findings Breakdown</b>	<b>5</b>
<b>Functions Analysis</b>	<b>6</b>
<b>Inheritance Graph</b>	<b>11</b>
<b>Flow Graph</b>	<b>12</b>
<b>Summary</b>	<b>13</b>
<b>Disclaimer</b>	<b>14</b>
<b>About Cyberscope</b>	<b>15</b>

## Review

Contract Name	KitaInu
Compiler Version	v0.8.16+commit.07a7930e
Optimization	200 runs
Explorer	<a href="https://bscscan.com/address/0x4bb5b7f0865322fd5b48d430e1a117235744769b">https://bscscan.com/address/0x4bb5b7f0865322fd5b48d430e1a117235744769b</a>
Address	0x4bb5b7f0865322fd5b48d430e1a117235744769b
Network	BSC
Symbol	KITA
Decimals	18
Total Supply	1,000,000,000,000,000

## Audit Updates

Initial Audit	25 May 2023 <a href="https://github.com/cyberscope-io/audits/blob/main/v1/kita/audit.pdf">https://github.com/cyberscope-io/audits/blob/main/v1/kita/audit.pdf</a>
Corrected Phase 2	30 May 2023

## Source Files

Filename	SHA256
contracts/KitaINU.sol	ebf31732852192f2b4626f58e1222882d90e657e9a1199f0ea927ea06cb2a97c

## Findings Breakdown

0

● Critical	0
● Medium	0
● Minor / Informative	0

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
<b>IERC20</b>	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
<b>Context</b>	Implementation			
	_msgSender	Internal		
<b>Ownable</b>	Implementation	Context		
		Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	_setOwner	Private	✓	

<b>SafeMath</b>	Library			
	sub	Internal		
<b>IUniswapV2Router01</b>	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	-
	swapExactETHForTokens	External	Payable	-
<b>IUniswapV2Router02</b>	Interface	IUniswapV2Router01		
	swapExactTokensForETCSupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForAVAXSupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForROSESupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-

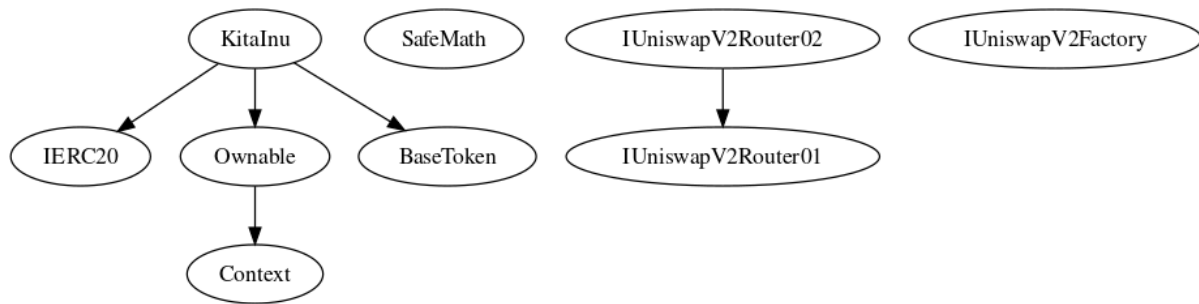
<b>IUniswapV2Factory</b>	Interface			
	createPair	External	✓	-
	getPair	External		-
<b>BaseToken</b>	Implementation			
<b>KitaInu</b>	Implementation	IERC20, Ownable, BaseToken		
		Public	✓	-
	name	External		-
	symbol	External		-
	decimals	External		-
	totalSupply	External		-
	balanceOf	Public		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
	increaseAllowance	External	✓	-
	decreaseAllowance	External	✓	-
	setNewRouter	External	✓	onlyAuthorized
	getCirculatingSupply	Public		-
	totalFees	External		-



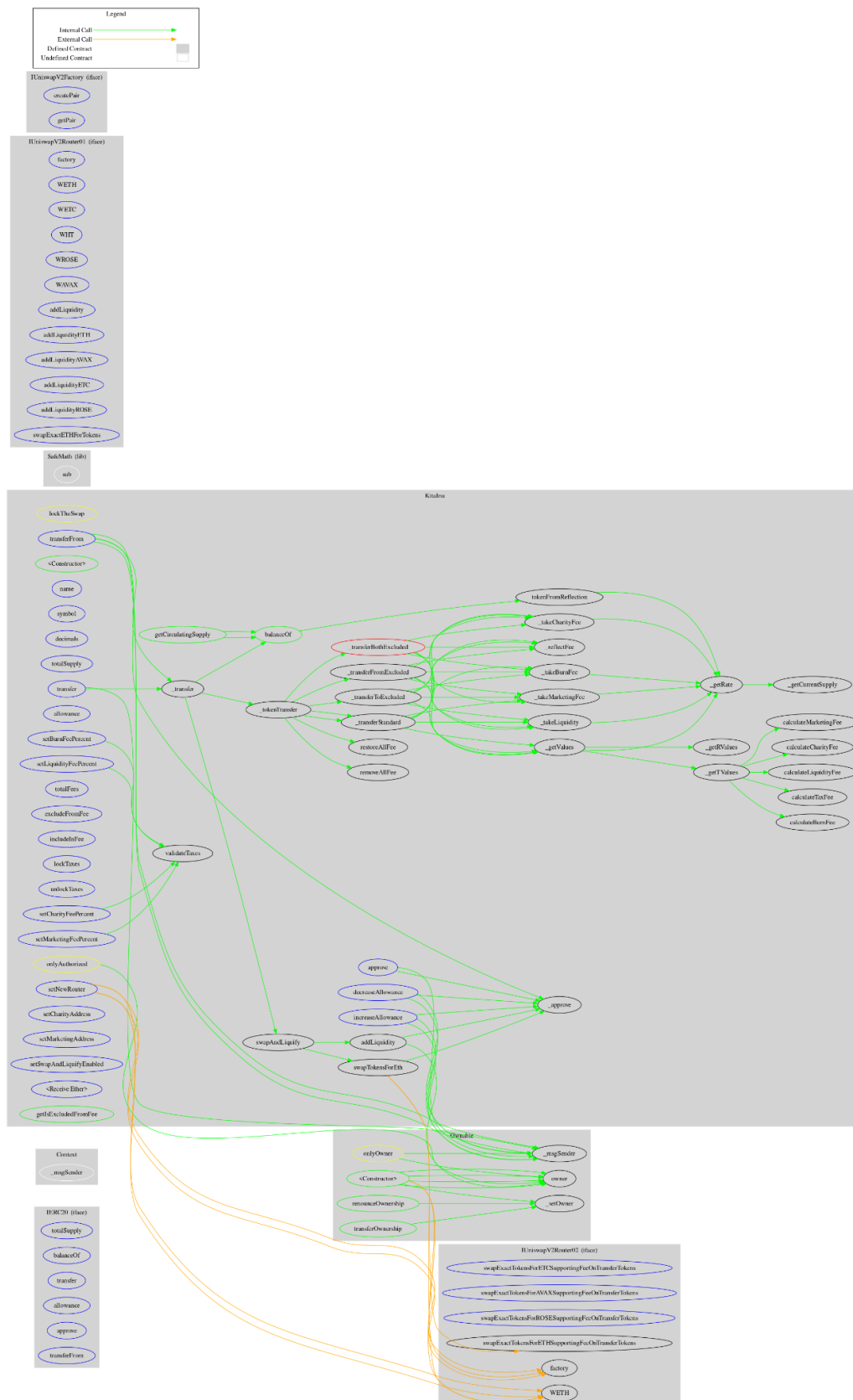
	tokenFromReflection	Public		-
	_transferBothExcluded	Private	✓	
	excludeFromFee	External	✓	onlyAuthorized
	includeInFee	External	✓	onlyAuthorized
	lockTaxes	External	✓	onlyAuthorized
	unlockTaxes	External	✓	onlyAuthorized
	setLiquidityFeePercent	External	✓	onlyAuthorized
	setCharityFeePercent	External	✓	onlyAuthorized
	setMarketingFeePercent	External	✓	onlyAuthorized
	setBurnFeePercent	External	✓	onlyAuthorized
	setCharityAddress	External	✓	onlyAuthorized
	setMarketingAddress	External	✓	onlyAuthorized
	validateTaxes	Internal		
	setSwapAndLiquifyEnabled	External	✓	onlyAuthorized
		External	Payable	-
	_getValues	Private		
	_getTValues	Private		
	_getRValues	Private		
	_getRate	Private		
	_getCurrentSupply	Private		
	_takeLiquidity	Private	✓	
	_takeCharityFee	Private	✓	
	_takeMarketingFee	Private	✓	

	_takeBurnFee	Private	✓	
	_reflectFee	Private	✓	
	calculateTaxFee	Private		
	calculateLiquidityFee	Private		
	calculateCharityFee	Private		
	calculateMarketingFee	Private		
	calculateBurnFee	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

Kita Inu contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements. Kita Inu is an interesting project that has a friendly and growing community. The Smart Contract analysis reported no compiler errors 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.

## Disclaimer

The information provided in this report does not constitute investment, financial or trading advice and you should not treat any of the document's content as such. This report may not be transmitted, disclosed, referred to or relied upon by any person for any purposes nor may copies be delivered to any other person other than the Company without Cyberscope's prior written consent. This report is not nor should be considered an "endorsement" or "disapproval" of any particular project or team. This report is not nor should be regarded as an indication of the economics or value of any "product" or "asset" created by any team or project that contracts Cyberscope to perform a security assessment. This document does not provide any warranty or guarantee regarding the absolute bug-free nature of the technology analyzed, nor do they provide any indication of the technologies proprietors' business, business model or legal compliance. This report should not be used in any way to make decisions around investment or involvement with any particular project. This report represents an extensive assessment process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

Blockchain technology and cryptographic assets present a high level of ongoing risk. Cyberscope's position is that each company and individual are responsible for their own due diligence and continuous security. Cyberscope's goal is to help reduce the attack vectors and the high level of variance associated with utilizing new and consistently changing technologies and in no way claims any guarantee of security or functionality of the technology we agree to analyze. The assessment services provided by Cyberscope are subject to dependencies and are under continuing development. You agree that your access and/or use including but not limited to any services reports and materials will be at your sole risk on an as-is where-is and as-available basis. Cryptographic tokens are emergent technologies and carry with them high levels of technical risk and uncertainty. The assessment reports could include false positives, false negatives and other unpredictable results. The services may access and depend upon multiple layers of third parties.

## About Cyberscope

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**

<https://www.cyberscope.io>