



Cyberscope

Audit Report

Red Dragon

January 2024

Network BSC

Address 0x7d7c16d5f3089ec6f7afbd94fc8096cec7a2db16

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

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Review

Contract Name	Redis
Compiler Version	v0.8.16+commit.07a7930e
Optimization	200 runs
Explorer	https://bscscan.com/address/0x7d7c16d5f3089ec6f7afbd94fc8096cec7a2db16
Address	0x7d7c16d5f3089ec6f7afbd94fc8096cec7a2db16
Network	BSC
Symbol	Red
Decimals	18
Total Supply	21,000,000,000,000
Badge Eligibility	Yes




Audit Updates

Initial Audit	28 Jan 2024 https://github.com/cyberscope-io/audits/blob/main/1-red/v1/audit.pdf
Corrected Phase 2	01 Feb 2024

Source Files

Filename	SHA256
Redis.sol	c68d6c9f85a39921e395102c685d0dc67e49da450f43244cf7e86f361c153ef9

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

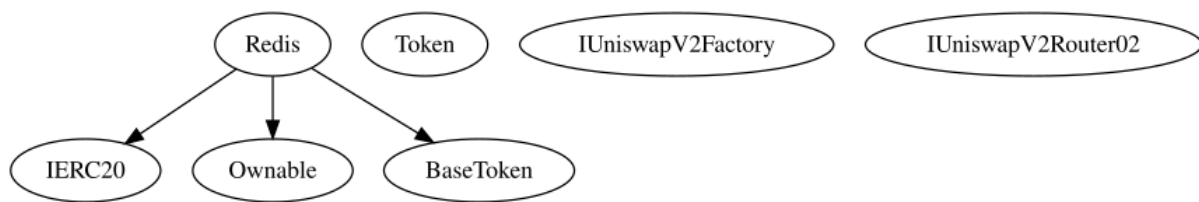
Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IERC20	Interface			
	totalSupply	External		-
	balanceOf	External		-
	transfer	External	✓	-
	allowance	External		-
	approve	External	✓	-
	transferFrom	External	✓	-
Token	Interface			
	transferFrom	External	✓	-
	transfer	External	✓	-
IUniswapV2Factory	Interface			
	createPair	External	✓	-
IUniswapV2Router02	Interface			
	swapExactTokensForETCSupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForAVAXSupportingFeeOnTransferTokens	External	Payable	-

	swapExactTokensForROSESupportingFeeOnTransferTokens	External	Payable	-
	swapExactTokensForETHSupportingFeeOnTransferTokens	External	✓	-
	factory	External		-
	WETH	External		-
	WETC	External		-
	WHT	External		-
	WROSE	External		-
	WAVAX	External		-
Ownable	Implementation			
		Public	✓	-
	owner	Public		-
	renounceOwnership	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
BaseToken	Implementation			
Redis	Implementation	IERC20, Ownable, BaseToken		
		Public	Payable	-
	getNativeCurrency	Internal		
	name	Public		-
	symbol	Public		-

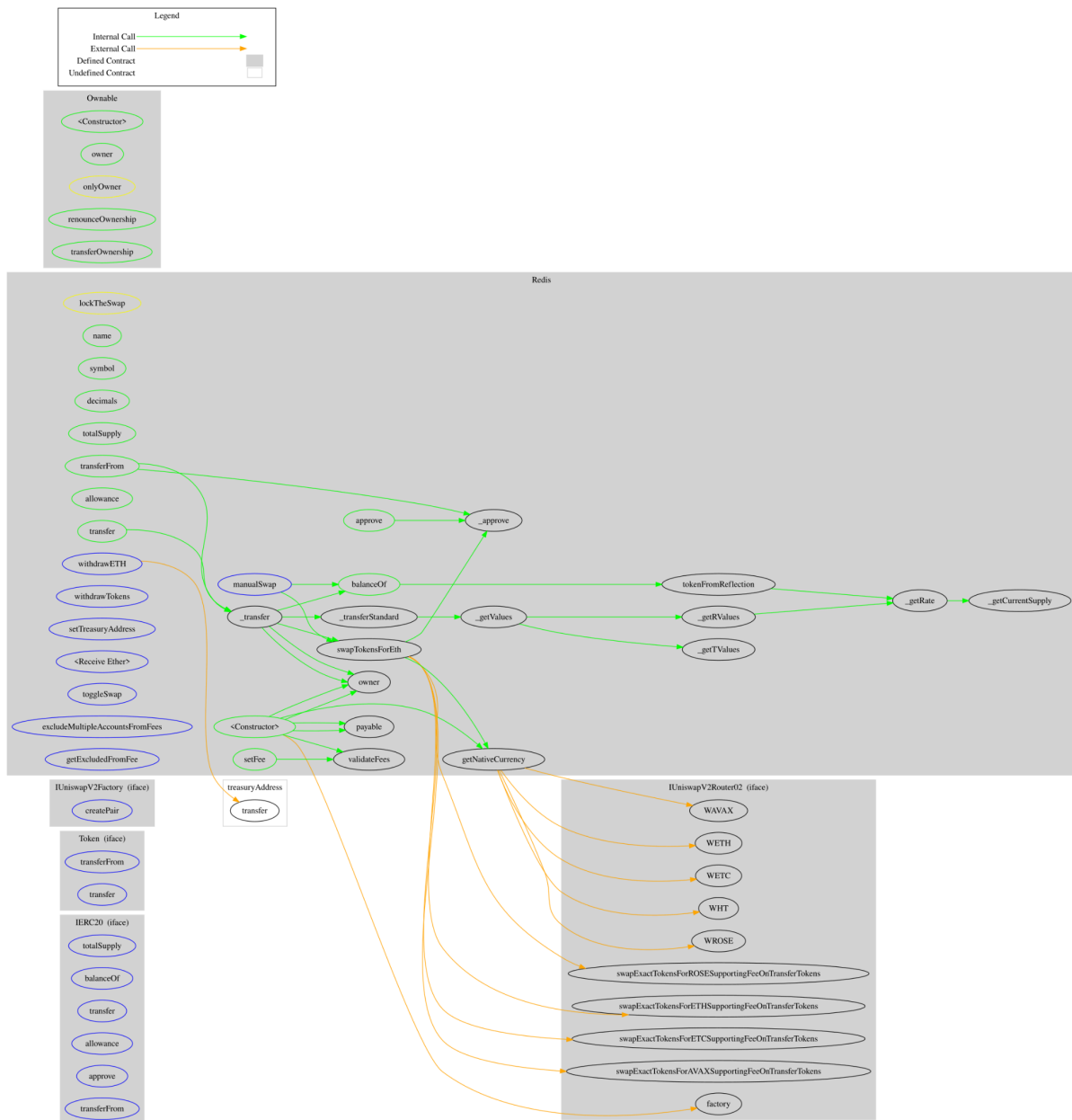
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	Public		-
	approve	Public	✓	-
	transferFrom	Public	✓	-
	tokenFromReflection	Private		
	_approve	Private	✓	
	_transfer	Private	✓	
	swapTokensForEth	Private	✓	lockTheSwap
	withdrawETH	External	✓	onlyOwner
	withdrawTokens	External	✓	onlyOwner
	setTreasuryAddress	External	✓	onlyOwner
	_transferStandard	Private	✓	
		External	Payable	-
	_getValues	Private		
	_getTValues	Private		
	_getRValues	Private		
	_getRate	Private		
	_getCurrentSupply	Private		
	manualSwap	External	✓	onlyOwner
	setFee	Public	✓	onlyOwner

	validateFees	Internal		
	toggleSwap	External	✓	onlyOwner
	excludeMultipleAccountsFromFees	External	✓	onlyOwner
	getExcludedFromFee	External		-

Inheritance Graph



Flow Graph



Summary

Red Dragon contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. Red Dragon 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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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>