Cyberscope

Audit Report

Fin AI

May 2025

Network BSC

Address 0x884113738e307265ff84e2a0f5f2f98f01854543

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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Risk Classification

The criticality of findings in Cyberscope's smart contract audits is determined by evaluating multiple variables. The two primary variables are:

1. **Likelihood of Exploitation**: This considers how easily an attack can be executed, including the economic feasibility for an attacker.
2. **Impact of Exploitation**: This assesses the potential consequences of an attack, particularly in terms of the loss of funds or disruption to the contract's functionality.

Based on these variables, findings are categorized into the following severity levels:

1. **Critical**: Indicates a vulnerability that is both highly likely to be exploited and can result in significant fund loss or severe disruption. Immediate action is required to address these issues.
2. **Medium**: Refers to vulnerabilities that are either less likely to be exploited or would have a moderate impact if exploited. These issues should be addressed in due course to ensure overall contract security.
3. **Minor**: Involves vulnerabilities that are unlikely to be exploited and would have a minor impact. These findings should still be considered for resolution to maintain best practices in security.
4. **Informative**: Points out potential improvements or informational notes that do not pose an immediate risk. Addressing these can enhance the overall quality and robustness of the contract.

Severity	Likelihood / Impact of Exploitation
Critical	Highly Likely / High Impact
Medium	Less Likely / High Impact or Highly Likely/ Lower Impact
Minor / Informative	Unlikely / Low to no Impact

Review

Contract Name	Redis
Compiler Version	v0.8.16+commit.07a7930e
Optimization	200 runs
Explorer	https://bscscan.com/address/0x884113738e307265ff84e2a0f5f2f98f01854543
Address	0x884113738e307265ff84e2a0f5f2f98f01854543
Network	BSC
Symbol	FIN
Decimals	18
Total Supply	1.000.000.000
Badge Eligibility	Yes

Audit Updates

Initial Audit	13 May 2025 https://github.com/cyberscope-io/audits/blob/main/6-fin/v1/audit.pdf
Corrected Phase 2	16 May 2025

Source Files

Filename	SHA256
Redis.sol	c68d6c9f85a39921e395102c685d0dc67e49da450f43244cf7e86f361c153ef9

Findings Breakdown

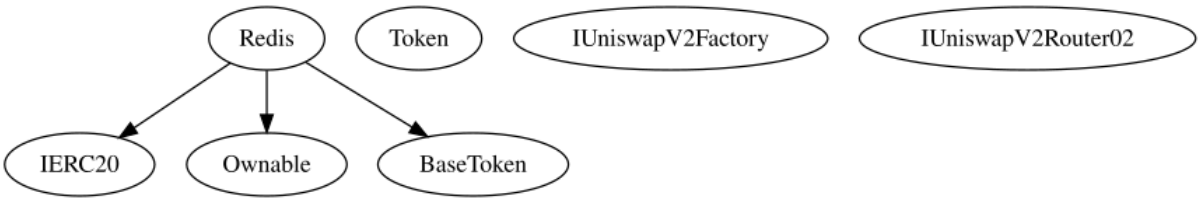
Severity	Unresolved	Acknowledged	Resolved	Other
Critical	0	0	0	0
Medium	0	0	0	0
Minor / Informative	0	0	0	0

Functions Analysis

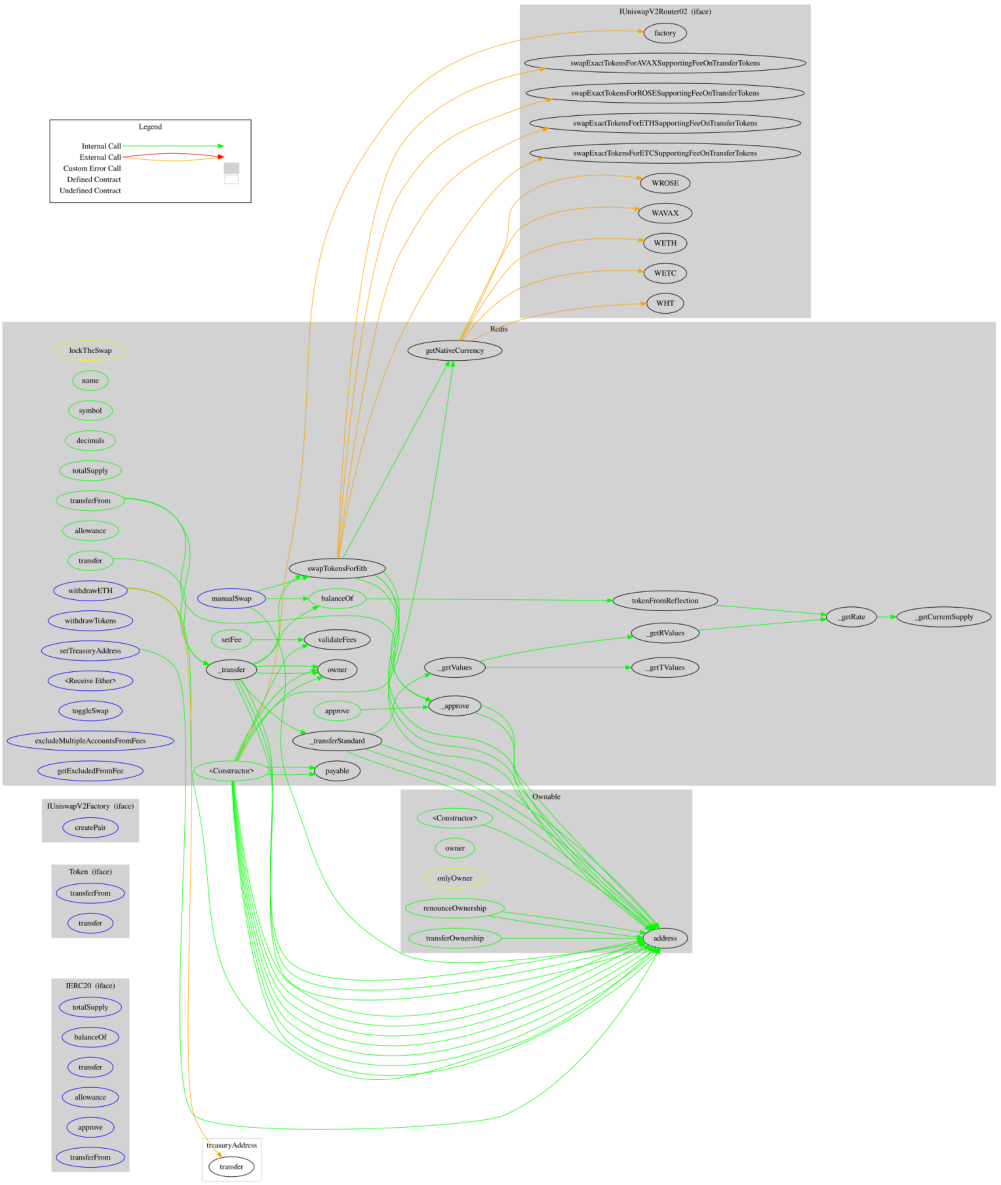
Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
Redis	Implementation	IERC20, Ownable, BaseToken		
		Public	Payable	-
	getNativeCurrency	Internal		
	name	Public		-
	symbol	Public		-
	decimals	Public		-
	totalSupply	Public		-
	balanceOf	Public		-
	transfer	Public	✓	-
	allowance	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


IUniswapV2Router02 (iface)
factory
swapExactTokensForAVAXSupportingFeeOnTransferTokens
swapExactTokensForROSESupportingFeeOnTransferTokens
swapExactTokensForETHSupportingFeeOnTransferTokens
swapExactTokensForETCSupportingFeeOnTransferTokens
WROSE
WAVAX
WETH
WETC
WHT
Legend
Internal Call
External Call
Custom Error Call
Defined Contract
Undefined Contract
Redis
getNativeCurrency
lockTheSwap
name
symbol
decimals
totalSupply
transferFrom
allowance
transfer
withdrawETH
withdrawTokens
setTreasuryAddress
<Receive Ether>
toggleSwap
excludeMultipleAccountsFromFees
getExcludedFromFee
swapTokensForEth
manualSwap
balanceOf
setFee
validateFees
_transfer
owner
approve
_transferStandard
<Constructor>
payable
tokenFromReflection
_getRate
_getCurrentSupply
_getRValues
_getTValues
_getValues
_approve
Ownable
<Constructor>
owner
onlyOwner
renounceOwnership
transferOwnership
address
IUniswapV2Factory (iface)
createPair
Token (iface)
transferFrom
transfer
IERC20 (iface)
totalSupply
balanceOf
transfer
allowance
approve
transferFrom
treasuryAddress
transfer

Summary

Fin AI contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. Fin AI 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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