



Cyberscope

Audit Report

Thesirion

March 2025

Network BASE

Address 0x7772b39661b87a98521193b9f18f87cfabE401fa

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	Thesirion
Compiler Version	v0.8.20+commit.a1b79de6
Optimization	200 runs
Explorer	https://basescan.org/address/0x7772b39661b87a98521193b9f18f87cfabe401fa
Address	0x7772b39661b87a98521193b9f18f87cfabe401fa
Network	BASE
Symbol	TSO
Decimals	18
Total Supply	1,000,000,000
Badge Eligibility	Yes

Audit Updates

Initial Audit	07 Mar 2025
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Source Files

Filename	SHA256
Thesirion.sol	ee9fd5e23f75817a895ded3b9383c0926a4e5ce1eb8da9e542055503510ae634

Findings Breakdown

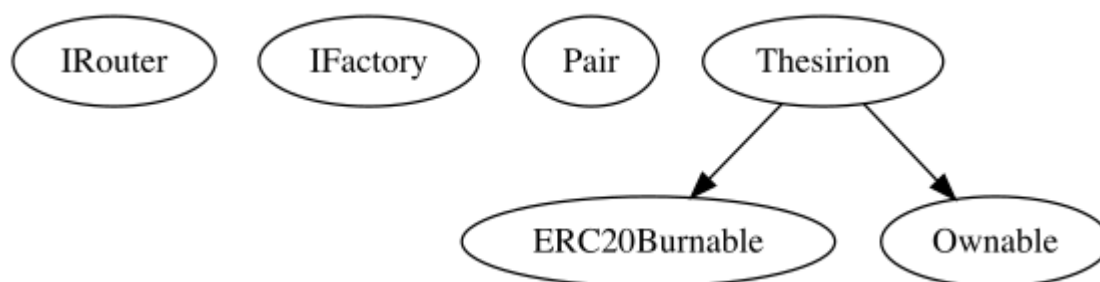
Severity		Unresolved	Acknowledged	Resolved	Other
●	Critical	0	0	0	0
●	Medium	0	0	0	0
●	Minor / Informative	0	0	0	0

Functions Analysis

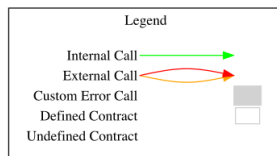
Contract	Type	Bases		
	Function Name	Visibility	Mutability	Modifiers
IRouter	Interface			
	factory	External		-
	swapExactTokensForETH	External	✓	-
	swapExactETHForTokensSupportingFeeOnTransferTokens	External	Payable	-
IFactory	Interface			
	getPair	External		-
Pair	Interface			
	token0	External		-
	token1	External		-
Thesirion	Implementation	ERC20Burnable, Ownable		
		Public	✓	ERC20 Ownable
	_update	Internal	✓	
	handleTax	Private	✓	
	buyAndBurnPREME	Private	✓	
	swapTokensForETH	Private	✓	lockTheSwap
	setSwapPair	Private	✓	

	setPair	Public	✓	onlyOwner
	setSwapAtPercentage	Public	✓	onlyOwner
	setTax	Public	✓	onlyOwner
	setExcludedFromTaxStatus	Public	✓	onlyOwner
	setTeamWallet	Public	✓	onlyOwner
	manualSwap	External	✓	onlyOwner
		External	Payable	-

Inheritance Graph



Flow Graph



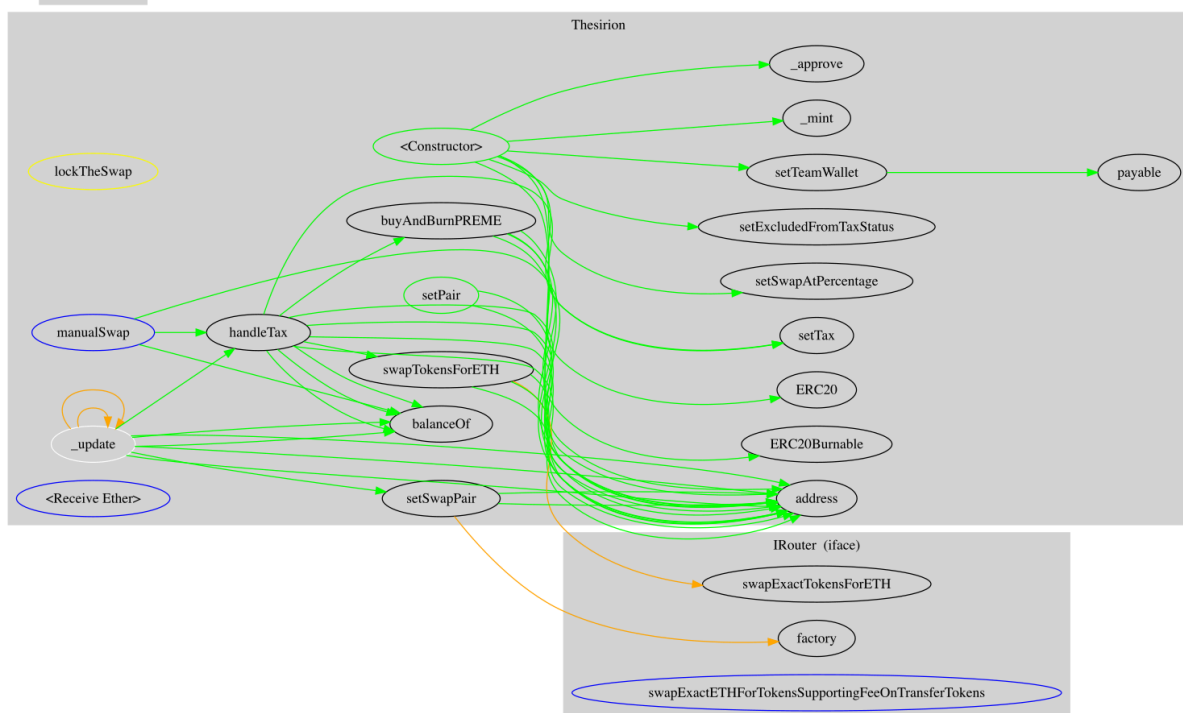
Pair (iface)

token0

token1

IFactory (iface)

getPair



Summary

Thesirion contract implements a token mechanism. This audit investigates security issues, business logic concerns, and potential improvements. Thesirion 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 4% buy and sell fees.

Disclaimer

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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

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