Cyberscope

Audit Report

King Token

July 2024

Network	ETH
Address	0x0613a0d7328AC65D48BDe364e671380e65c87082
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	KingToken
Compiler Version	v0.8.20+commit.a1b79de6
Optimization	200 runs
Testing Deploy	https://testnet.bscscan.com/address/0x28823eda688f85f37a2a14c0f8cbc70b1cbd16be
Explorer	https://etherscan.io/address/0x0613a0d7328ac65d48bde364e671380e65c87082
Address	0x0613a0d7328ac65d48bde364e671380e65c87082
Network	ETH
Symbol	KING
Decimals	18
Total Supply	10,000,000
Badge Eligibility	Yes

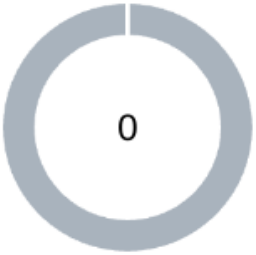
Audit Updates

Initial Audit	21 Jul 2024

Source Files

Filename	SHA256
Copy_KING.sol	a66f7adfcb4700d67cbab115b3efc0f803 5f37aa688e275d848cb441aa803793

Findings Breakdown



Critical	0
Medium	0
Minor / Informative	0

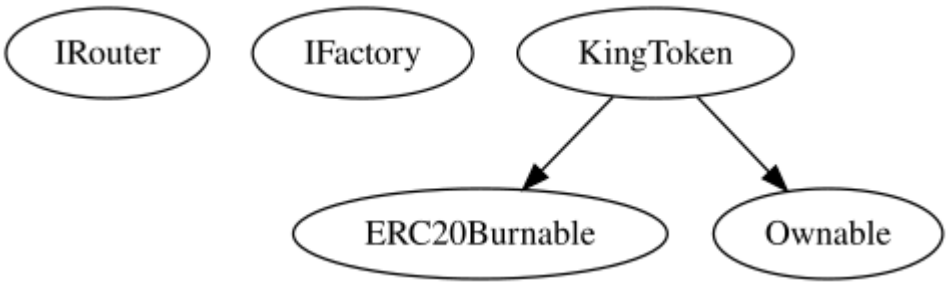
Severity	Unresolved	Acknowledged	Resolved	Other
Critical	0	0	0	0
Medium	0	0	0	0
Minor / Informative	0	0	0	0

Functions Analysis

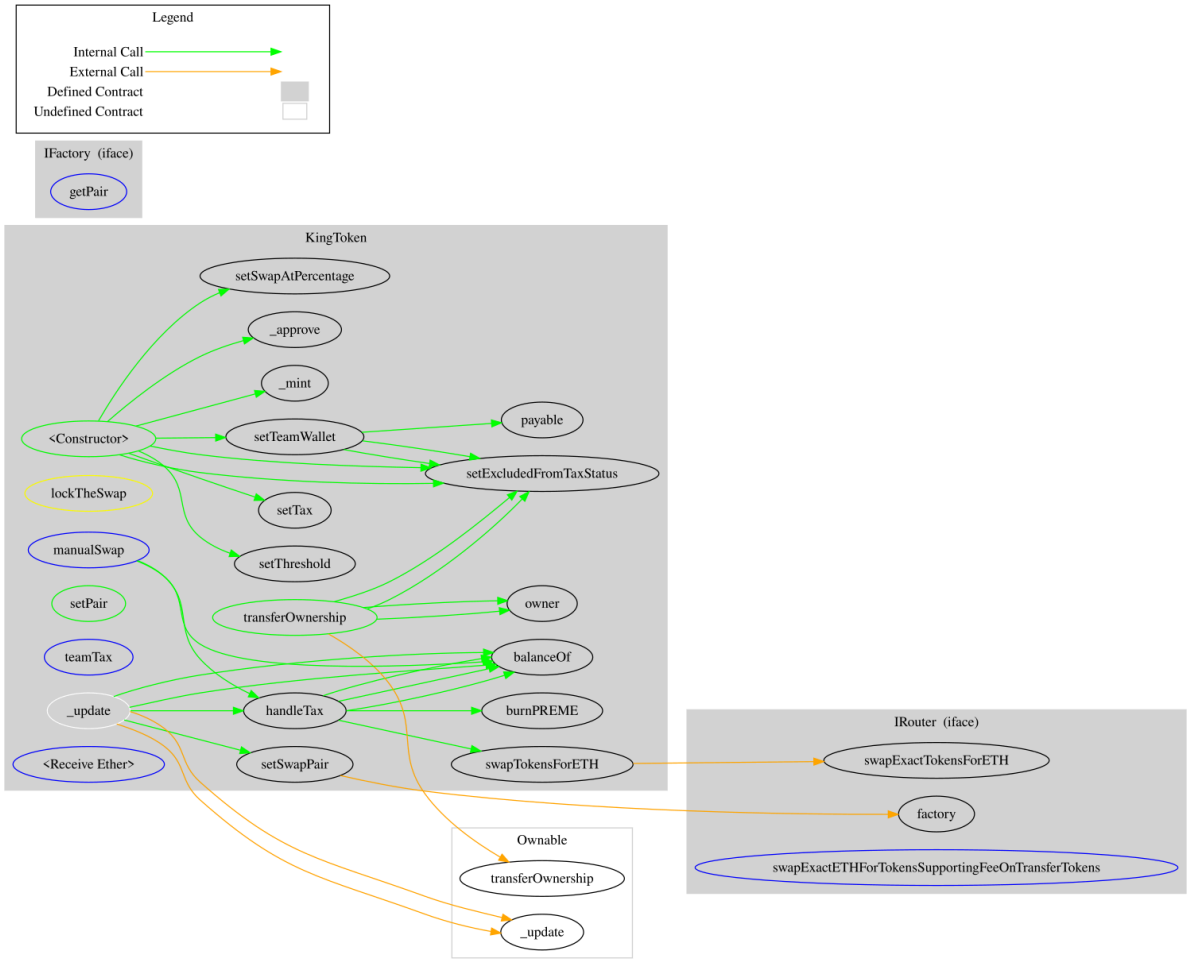
Contract	Type	Bases		
	Function Name	**Visibility**	**Mutability**	**Modifiers**
IRouter	Interface			
	factory	External		-
	swapExactTokensForETH	External	✓	-
	swapExactETHForTokensSupportingFeeOnTransferTokens	External	Payable	-
IFactory	Interface			
	getPair	External		-
KingToken	Implementation	ERC20Burnable, Ownable		
		Public	✓	ERC20 Ownable
	_update	Internal	✓	
	handleTax	Private	✓	lockTheSwap
	swapTokensForETH	Private	✓	
	burnPREME	Private	✓	
	setSwapPair	Private	✓	
	setPair	Public	✓	onlyOwner
	setSwapAtPercentage	Public	✓	onlyOwner
	setThreshold	Public	✓	onlyOwner

	setTax	Public	✓	onlyOwner
	teamTax	External		-
	setExcludedFromTaxStatus	Public	✓	onlyOwner
	setTeamWallet	Public	✓	onlyOwner
	transferOwnership	Public	✓	onlyOwner
	manualSwap	External	✓	onlyOwner
		External	Payable	-

Inheritance Graph



Flow Graph


Legend
Internal Call
External Call
Defined Contract
Undefined Contract
IFactory (iface)
getPair
KingToken
setSwapAtPercentage
_approve
_mint
<Constructor>
setTeamWallet
payable
setExcludedFromTaxStatus
lockTheSwap
setTax
manualSwap
setThreshold
setPair
transferOwnership
owner
teamTax
balanceOf
_update
handleTax
burnPREME
<Receive Ether>
setSwapPair
swapTokensForETH
IRouter (iface)
swapExactTokensForETH
factory
swapExactETHForTokensSupportingFeeOnTransferTokens
Ownable
transferOwnership
_update

Summary

King Token contract implements a token mechanism. This audit investigates security issues, business logic concerns and potential improvements. King Gabe 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 3% fees.

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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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