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Security Audit

CryptoRace Token

January 22, 2022

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Audit Summary

This report has been prepared for CryptoRace Token on the Binance Smart Chain network. KISHIELD provides both client-centered and user-centered examination of the smart contracts and their current status when applicable. This report represents the security assessment made to find issues and vulnerabilities on the source code along with the current liquidity and token holder statistics of the protocol.

A comprehensive examination has been performed, utilizing Cross Referencing, Static Analysis, In-House Security Tools, and line-by-line Manual Review.

The auditing process pays special attention to the following considerations:

- Ensuring contract logic meets the specifications and intentions of the client without exposing the user's funds to risk.

- Testing the smart contracts against both common and uncommon attack vectors.

- Inspecting liquidity and holders statistics to inform the current status to both users and client when applicable.

- Assessing the codebase to ensure compliance with current best practices and industry standards.

- Verifying contract functions that allow trusted and/or untrusted actors to mint, lock, pause, and transfer assets.

- Thorough line-by-line manual review of the entire codebase by industry experts.

Project Overview

Token Summary

Parameter	Result
Address	0x35240d91223186133fcb0ec1565c353eb2a546a8
Name	CryptoRace
Token Tracker	CryptoRace (CRACE)
Decimals	9
Supply	50,000,000
Platform	Binance Smart Chain
compiler	v0.8.5+commit.a4f2e591
Optimization	Yes with 200 runs
LicenseType	MIT
Language	Solidity
Codebase	https://bscscan.com/address/0x35240d91223186133fcb0ec1565c353eb2a546a8
Url	https://cracecrypto.com

Main Contract Assessed

Name	Contract	Live
CryptoRace	0x35240d91223186133fcb0ec1565c353eb2a546a8	Yes

Smart Contract Vulnerability Checks

Vulnerability	Automatic Scan	Manual Scan	Result
Unencrypted Private Data On-Chain	Complete	Complete	✅ Low / No Risk
Code With No Effects	Complete	Complete	✅ Low / No Risk
Message call with hardcoded gas amount	Complete	Complete	✅ Low / No Risk
Hash Collisions With Multiple Variable Length Arguments	Complete	Complete	✅ Low / No Risk
Unexpected Ether balance	Complete	Complete	✅ Low / No Risk
Presence of unused variables	Complete	Complete	✅ Low / No Risk
Right-To-Left-Override control character (U+202E)	Complete	Complete	✅ Low / No Risk
Typographical Error	Complete	Complete	✅ Low / No Risk
DoS With Block Gas Limit	Complete	Complete	✅ Low / No Risk
Arbitrary Jump with Function Type Variable	Complete	Complete	✅ Low / No Risk
Insufficient Gas Griefing	Complete	Complete	✅ Low / No Risk
Incorrect Inheritance Order	Complete	Complete	✅ Low / No Risk
Write to Arbitrary Storage Location	Complete	Complete	✅ Low / No Risk
Requirement Violation	Complete	Complete	✅ Low / No Risk
Missing Protection against Signature Replay Attacks	Complete	Complete	✅ Low / No Risk
Weak Sources of Randomness from Chain Attributes	Complete	Complete	✅ Low / No Risk

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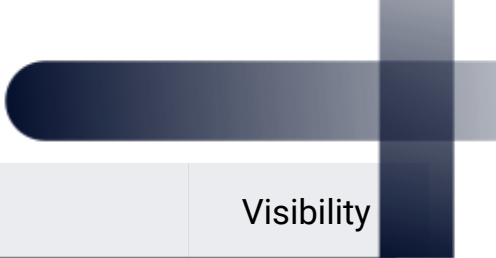| Vulnerability	Automatic Scan	Manual Scan	Result
Authorization through tx.origin	Complete	Complete	✅ Low / No Risk
Delegatecall to Untrusted Callee	Complete	Complete	✅ Low / No Risk
Use of Deprecated Solidity Functions	Complete	Complete	✅ Low / No Risk
Assert Violation	Complete	Complete	✅ Low / No Risk
Reentrancy	Complete	Complete	✅ Low / No Risk
Unprotected SELFDESTRUCT Instruction	Complete	Complete	✅ Low / No Risk
Unprotected Ether Withdrawal	Complete	Complete	✅ Low / No Risk
Unchecked Call Return Value	Complete	Complete	✅ Low / No Risk
Outdated Compiler Version	Complete	Complete	✅ Low / No Risk
Integer Overflow and Underflow	Complete	Complete	✅ Low / No Risk
Function Default Visibility	Complete	Complete	✅ Low / No Risk

Contract Ownership

The contract ownership of CryptoRace has been renounced.

Having no owner means that all the ownable functions in the contract can not be called by anyone, this often leads to more trust on the project.

Priviliged Functions (onlyOwner)

Function Name	Parameters	Visibility
authorize	address adr	public
unauthorize	address adr	public
transferOwnership	address adr	public
setDistributionCriteria	none	external
setShare	none	external
deposit	none	external
process	none	external
claimDividend	none	external
swapBack	none	internal
triggerManualBuyback	none	external
clearBuybackMultiplier	none	external
buyTokens	none	internal
setAutoBuybackSettings	none	external
setBuybackMultiplierSettings	none	external
setTxLimit	none	external
setIsDividendExempt	none	external

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Function Name	Parameters	Visibility
setIsFeeExempt	none	external
setIsTxLimitExempt	none	external
setFees	none	external
setFeeReceivers	none	external
setSwapBackSettings	none	external
setTargetLiquidity	none	external
manualSend	none	external
setDistributionCriteria	none	external
setDistributorSettings	none	external
rescueBNB	uint256 amount	external

Important Notes To The Users:

- The project uses an Auth contract that allows for contract ownership along with multi-address authorization.

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Statistics

Liquidity Info

Parameter	Result
Pair Address	0x52c1623f767CbC30e4d0465983DFA60B8B61a812
CRACE Reserves	0.00 CRACE
BNB Reserves	0.00 BNB
Liquidity Value	$0 USD

Token (CRACE) Holders Info

Parameter	Result
CRACE Percentage Burnt	0.00%
CRACE Amount Burnt	0 CRACE
Top 10 Percentage Own	100.00%
Top 10 Amount Owned	50,000,000 CRACE
Top 10 Aprox Value	$NaN USD

LP (CRACE/BNB) Holders Info

Parameter	Result
CRACE/BNB % Burnt	0.00%
CRACE/BNB Amount Burnt	0 CRACE
Top 10 Percentage Owned	0.00%
Top 10 Amount Owned	0 CRACE
Locked Tokens Percentage	0.00%
Locked Tokens Amount	0 CRACE

* All the data diplayed above was taken on-chain at block 14593116
* The tokens on industry-standard burn wallets are not included on the top 10 wallets calculations

Liquidity Ownership

Most of the liquidity is currently locked, the lock can be seen here:

Not Launched Yet

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