



Smart Contract Security Audit Report

Swinca Coin

May 2022

Security Status



www.hacksafe.io



Audit Details



Audited project

Swinca Coin



Deployer address

0xb3461f74403A9e1cEA14fA2fABd5b892D9e6dF31



Client contacts

Swinca Coin team



Blockchain

Binance Smart Chain



Website

<https://swincacoin.com/>

Disclaimer

This is a limited report on our findings based on our analysis, in accordance with good industry practice as at the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

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The analysis of the security is purely based on the smart contracts alone. No applications or operations were reviewed for security. No product code has been reviewed.

Background

HackSafe was commissioned by Swinca Coin to perform an audit of smart contracts:

- <https://bscscan.com/address/0x81372C18c87f6d2FE91F416d7c8a109CEA48C332#code>

Contract Details

Token contract details for 17.05.2022

Contract name	: BEP20Token
Contract address	: 0x81372C18c87f6d2FE91F416d7c8a109CEA48C332
Total supply	: 400 Million
Token Ticker	: SWI
Decimals	: 4
Token Holders	: 11 address
Transactions count	: 47
Contract deployer address	: 0xb3461f74403A9e1cEA14fA2fABd5b892D9e6dF31

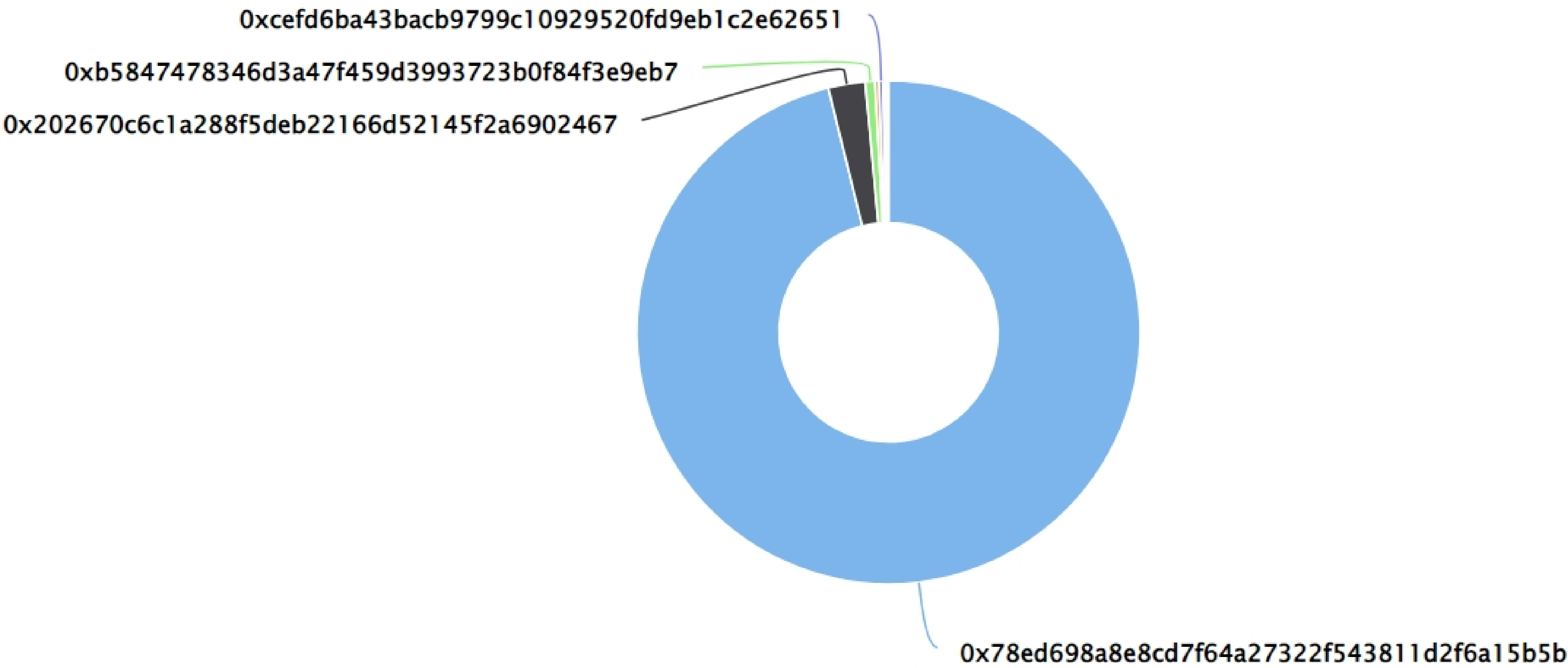
Swinca Coin Token Distribution

The top 100 holders collectively own 100.00% (400,000,000.00 Tokens) of Swinca Coin

Token Total Supply: 400,000,000.00 Token | Total Token Holders: 11

Swinca Coin Top 100 Token Holders

Source: BscScan.com



Swinca Coin Top 10 Token Holders

1	0x78ed698a8e8cd7f64a27322f543811d2f6a15b5b	384,629,959.7061	96.1575%
2	0x202670c6c1a288f5deb22166d52145f2a6902467	9,500,000	2.3750%
3	0xb5847478346d3a47f459d3993723b0f84f3e9eb7	2,500,000	0.6250%
4	0x5147d41b5c9212242c95f3cfc68f1986c91066cc	1,000,000	0.2500%
5	0xcefd6ba43bacb9799c10929520fd9eb1c2e62651	1,000,000	0.2500%
6	0xdb2b90f0461f715bc91d670ceb13c8f5e2380343	600,000	0.1500%
7	0xe652e6fc5a138e9719ca96712184537a86268018	200,000	0.0500%
8	0x3a087d9aee90e47b3022ec740603287327bbd7b8	199,800	0.0500%
9	0xce55977e7b33e4e5534bd370ee31504fc7ac9adc	196,607.2543	0.0492%
10	0xd5e7b34d44e56027cc9d67058ffc65ae78b70e73	123,633.0396	0.0309%
11	0x50bba9e6d31665c6dc5cf4bb0e4c1c053c5129a7	50,000	0.0125%

Contract functions details

+ [Int] IBEP20

- [Ext] totalSupply
- [Ext] decimals
- [Ext] symbol
- [Ext] name
- [Ext] getOwner
- [Ext] balanceOf
- [Ext] transfer
- [Ext] allowance
- [Ext] approve
- [Ext] transferFrom

+ Context

- <Constructor>
- [Int] _msgSender
- [Int] _msgData

+ [Lib] SafeMath

- [Int] add
- [Int] sub
- [Int] sub
- [Int] mul
- [Int] div
- [Int] div
- [Int] mod
- [Int] mod

+ Ownable (Context)

- [Int] constructor #
- [Pub] owner #
- [Pub] renounceOwnership#
 - modifiers: onylOwner
- [Pub] transferOwnership#
 - modifiers: onlyOwner
- [Int] _transferOwnership#

Contract functions details

+ BEP20Token (Context, IBEP20, Ownable)

- [Pub] <constructor>
- [Ext] getOwner
- [Ext] decimals
- [Ext] name
- [Ext] symbol
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer #
- [Ext] allowance
- [Ext] approve #
- [Ext] transferFrom #
- [Pub] increaseAllowance#
- [Pub] decreaseAllowance#
- [Pub] mint#
- modifiers: onlyOwner
- [Int] _transfer #
- [Int] _mint #
- [Int] _burn #
- [Int] _approve #
- [Int] _burnForm #

(\$) = payable function

= non-constant function

Issues Checking Status

No.	Title	Status
1.	Unlocked Compiler Version	Passed
2.	Missing Input Validation	Passed
3.	Race conditions and Reentrancy. Cross-function race conditions.	Passed
4.	Possible delays in data delivery	Passed
5.	Oracle calls.	Passed
6.	Timestamp dependence.	Passed
7.	Integer Overflow and Underflow	Passed
8.	DoS with Revert.	Passed
9.	DoS with block gas limit.	Passed
10.	Methods execution permissions.	Passed
11.	Economy model of the contract.	Passed
12.	Private use data leaks.	Passed
13.	Malicious Event log.	Passed
14.	Scoping and Declarations.	Passed
15.	Uninitialized storage pointers.	Passed
16.	Arithmetic accuracy.	Passed
17.	Design Logic.	Passed
18.	Safe Open Zeppelin contracts implementation and usage.	Passed
19.	Incorrect Naming State Variable	Passed

Severity Definitions

Risk Level	Description
Critical	Critical vulnerabilities are usually straightforward to exploit and can lead to assets loss or data manipulations.
High	High-level vulnerabilities are difficult to exploit; however, they also have a significant impact on smart contract execution, e.g., public access to crucial functions
Medium	Medium-level vulnerabilities are important to fix; however, they can't lead to assets loss or data manipulations.
Low	Low-level vulnerabilities are mostly related to outdated, unused, etc. code snippets that can't have a significant impact on execution.

Security Issues

✔ Critical Severity Issues

No critical severity issue found.

✔ High Severity Issues

No high severity issue found.

✔ Medium Severity Issues

No medium severity issues found.

✔ Low Severity Issues

No low severity issue found.

Owner Privileges

Owner Privileges (in the period when the owner is not renounced) :

- Swinca Coin Contract:
 - Owner can renounce ownership.
 - Owner can transfer owner ship.
 - Owner can mint new tokens.

Conclusion

Smart contract contains no severity issues! The further transfer and operations with the fund raised are not related to this particular contract.

HackSafe note: Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.