



Smart Contract Security Audit Report

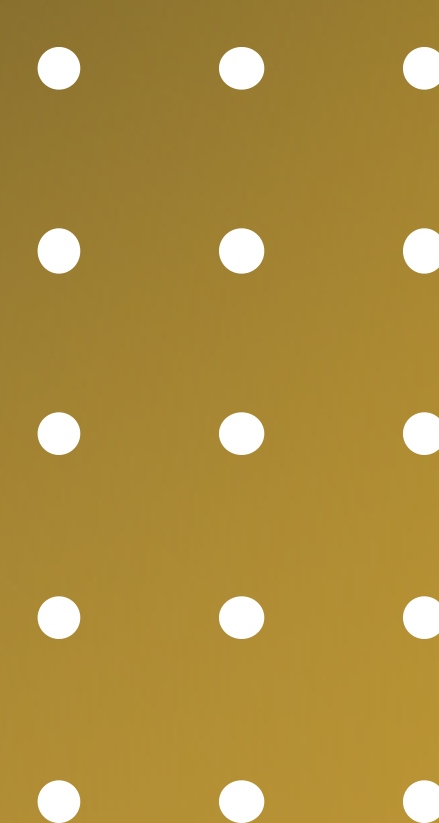
Predictcoin

April 2022

Security Status



www.hacksafe.io



Audit Details



Audited project

Predictcoin



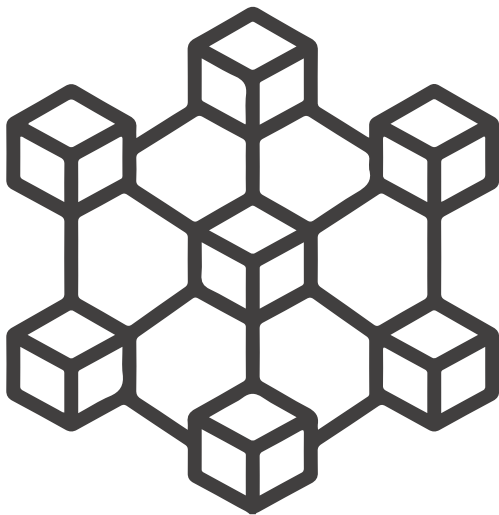
Deployer address

0x40Bd2d636217e26D6FcD443Cf5718Ef45CCd37f4



Client contacts

Predictcoin team



Blockchain

Binance smart chain



Website

<https://predictcoin.finance/>

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

HeckSafe was commissioned by Predictcoin to perform an audit of smart contracts:

- <https://bscscan.com/address/0xbdd2e3fdb879aa42748e9d47b7359323f226ba22#code>

Contract Details

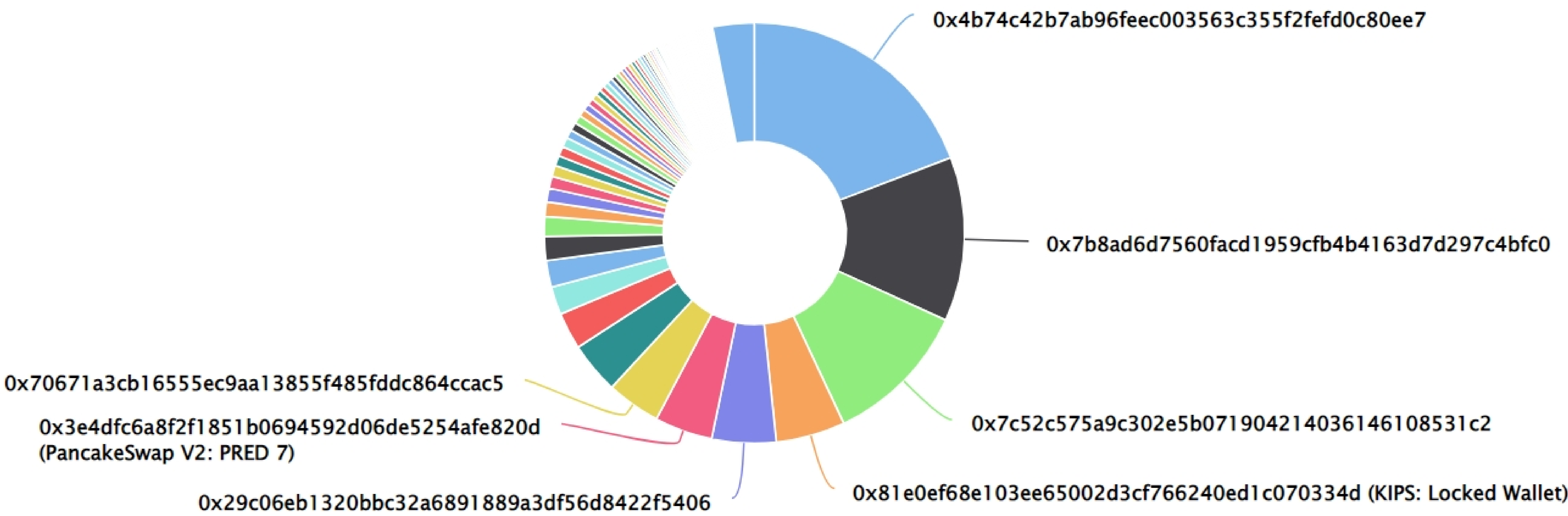
Token contract details for 16.04.2022

Contract name	: Predictcoin
Contract address	: 0xbdD2E3fdb879AA42748E9D47b7359323f226BA22
Total supply	: 100000
Token Ticker	: PRED
Decimals	: 18
Token Holders	: 1,970
Transactions count	: 41, 076
Contract deployer address	: 0x40Bd2d636217e26D6FcD443Cf5718Ef45CCd37f4
Owner address	: 0x39a12f5704e52277c9c9949bd4663e3acac4807c











Predictcoin Token Distribution

Predictcoin Top 100 Token Holders

Source: BscScan.com



Predictcoin Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	 0x4b74c42b7ab96feec003563c355f2fed0c80ee7	19,167.309095892295272673	19.1673%
2	 0x7b8ad6d7560facd1959cfb4b4163d7d297c4bfc0	12,649.7436356964538435	12.6497%
3	 0x7c52c575a9c302e5b071904214036146108531c2	11,208.115401407002027976	11.2081%
4	 KIPS: Locked Wallet	5,317.484926715191	5.3175%
5	 0x29c06eb1320bbc32a6891889a3df56d8422f5406	4,934.116721123853436823	4.9341%
6	 PancakeSwap V2: PRED 7	4,459.564195760116944763	4.4596%
7	 0x70671a3cb16555ec9aa13855f485fddc864ccac5	4,158.716519483871430465	4.1587%
8	 PancakeSwap V2: PRED-BUSD	3,976.499616463609702183	3.9765%
9	 0x5d83ef52661baa67c9a7d60bf61b8339622603b6	2,830	2.8300%
10	 0x2f65321aa08e38322fdf3ddc129c8ccca6baf85d	2,154.146283607709906728	2.1541%

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

- [Int] <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] transferOwnership #
 - modifiers: onlyOwner
- [Int] _transferOwnership #

Contract functions details

+ Predictcoin (Context, IBEP20, Ownable)

- [Pub]<Constructor> #
- [Ext] getOwner
- [Ext] decimals
- [Ext] symbol
- [Ext] name
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer #
- [Ext] allowance
- [Ext] approve #
- [Ext] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Pub] burn #
- [Int] _transfer #
- [Int] _burn #
- [Int] _approve #
- [Pub] _burnFrom #

(\$) = 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 issues found.

Owner Privileges

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

- Predictcoin Contract:
 - Owner can transfer ownership.

Conclusion

contains no severity issues

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.