



Smart Contract Security Audit Report

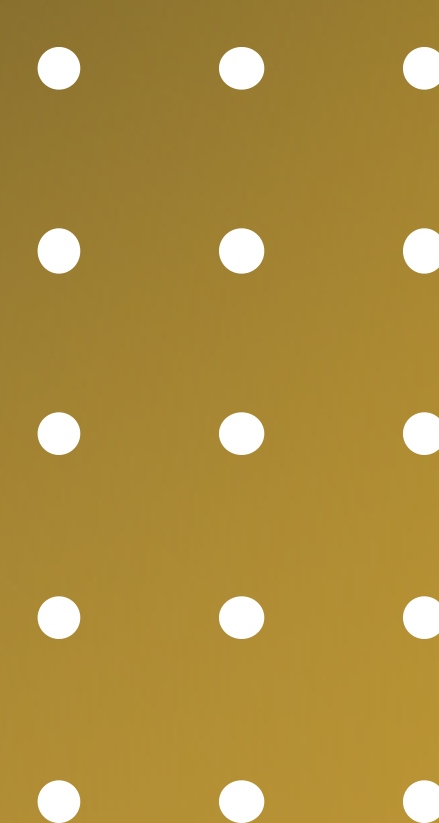
FinNexus

April 2022

Security Status



www.hacksafe.io



Audit Details



Audited project

FinNexus



Deployer address

0xB6bA63CE451e1B1D93F597f2730A8B82F6C43201



Client contacts

FinNexus team



Blockchain

Binance Smart Chain



Website

<https://finnexus.io/>

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 FinNexus to perform an audit of smart contracts:

- <https://bscscan.com/address/0xdfd9e2a17596cad6295ecffda42d9b6f63f7b5d5#code>

Contract Details

Token contract details for 19.04.2022

Contract name	: FnxToken
Contract address	: 0xdFd9e2A17596caD6295EcFfDa42D9B6F63F7B5d5
Total supply	: 64,598,732.658676
Token Ticker	: FNX
Decimals	: 18
Token Holders	: 1,663
Transactions count	: 25,058
Contract deployer address	: 0xB6bA63CE451e1B1D93F597f2730A8B82F6C43201
Owner address	: 0x39Af91cbA3aEd00E9b356EcC3675C7ef309017dD

FinNexus Token Distribution

 The top 500 holders collectively own 99.68% (64,390,909.48 Tokens) of FinNexus

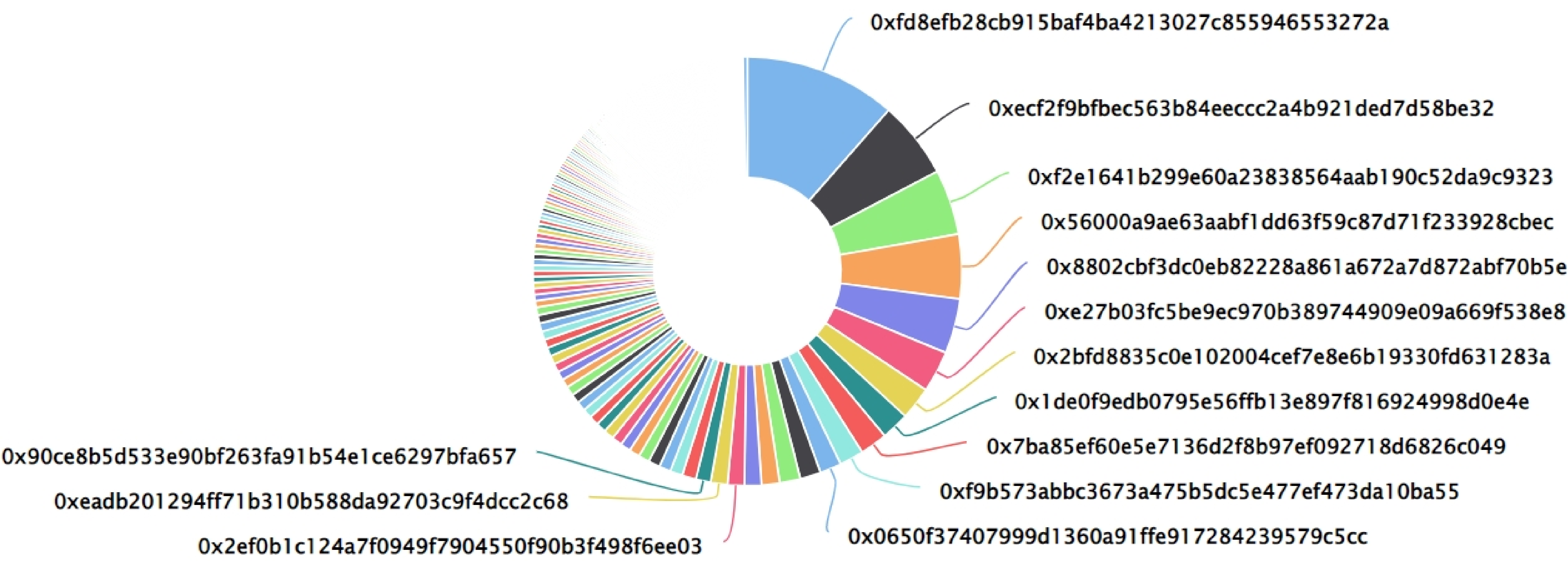
 Token Total Supply: 64,598,732.66 Token

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Total Token Holders: 1,663

FinNexus Top 500 Token Holders

Source: BscScan.com



FinNexus Top 10 Token Holders

(A total of 27,683,615.44 tokens held by the top 10 accounts from the total supply of 64,598,732.66 token)

Rank	Address	Quantity (Token)	Percentage
1	0xfd8efb28cb915baf4ba4213027c855946553272a	7,400,099.000059629545091372	11.4555%
2	0xecf2f9bfbec563b84ecccc2a4b921ded7d58be32	3,771,099.168437768481006278	5.8377%
3	 0xf2e1641b299e60a23838564aab190c52da9c9323	3,188,590.636038761231851404	4.9360%
4	0x56000a9ae63aabf1dd63f59c87d71f233928cbec	3,133,421.512331942039961108	4.8506%
5	0x8802cbf3dc0eb82228a861a672a7d872abf70b5e	2,680,541.939737434674211357	4.1495%
6	 0xe27b03fc5be9ec970b389744909e09a669f538e8	2,020,134.889816648995660445	3.1272%
7	0x2bfd8835c0e102004cef7e8e6b19330fd631283a	1,601,987.567822718437837658	2.4799%
8	0x1de0f9edb0795e56ffb13e897f816924998d0e4e	1,371,980.347364168197854284	2.1239%
9	0x7ba85ef60e5e7136d2f8b97ef092718d6826c049	1,335,160.770341881738967198	2.0669%
10	0xf9b573abbc3673a475b5dc5e477ef473da10ba55	1,180,599.604605158989227795	1.8276%

Contract functions details

+ [Int] IERC20

- [Ext] transfer #
- [Ext] approve #
- [Ext] transferFrom #
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] allowance

+ [Lib] SafeMath

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

+ ERC20 (IERC20)

- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] allowance
- [Pub] transfer #
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Int] _transfer #
- [Int] _mint #
- [Int] _burn #
- [Int] _burnFrom #

+ Owned

- [Pub] <Constructor> #
- [Pub] changeOwner #
 - modifiers: onlyOwner
- [Pub] acceptOwnership #

Contract functions details

- + FnxToken (Owned, ERC20)
 - [Pub] name
 - [Pub] symbol
 - [Pub] decimals
 - [Pub] changeTokenName
 - modifiers: onlyOwner
 - [Pub] mint
 - modifiers: onlyOwner
 - [Pub] burn
 - modifiers: onlyOwner

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) :

- FinNexus Contract:
 - Owner can transfer ownership.
 - Owner can mint and burn tokens.
 - Owner can change token name and symbol.

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.