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AUDIT COMPANY

Smart Contract Security Audit

TechRate

November, 2021

Audit Details

Audited project

NoodlesSwap

Deployer address

0xbf94dfe939f9d9c4bd98fb1a5818ecef2c800d23

Client contacts:

NoodlesSwap team

Blockchain

Binance Smart Chain

Project website:

https://www.noodlesswap.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

TechRate was commissioned by NoodlesSwap to perform an audit of smart contracts:

https://bscscan.com/address/0xc480ffca057dcb23a445c4086bb49b3fd80780ed#code

The purpose of the audit was to achieve the following:

- Ensure that the smart contract functions as intended.
- Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

Contracts Details

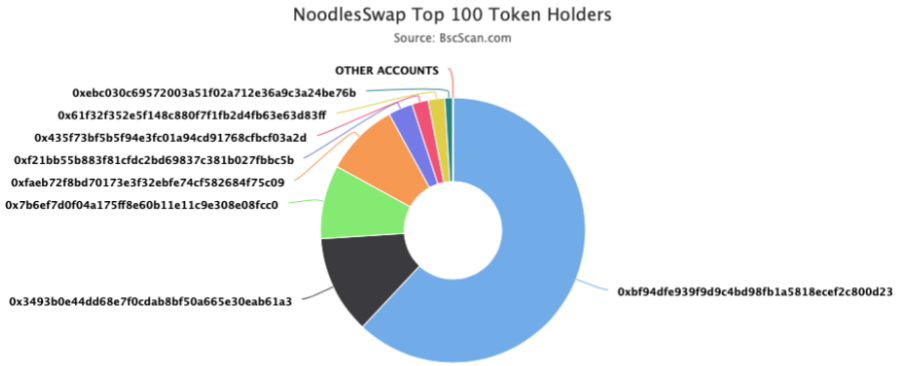
Token contract details for 08.11.2021

Contract name	NoodlesSwap
Contract address	0xC480fFCA057DCB23a445C4086BB49b3fd80780eD
Total supply	1,000,000,000
Token ticker	NDS
Decimals	18
Token holders	8
Transactions count	8
Top 100 holders dominance	100.00%
Contract deployer address	0xbf94dfe939f9d9c4bd98fb1a5818ecef2c800d23
Contract's current owner address	0xbf94dfe939f9d9c4bd98fb1a5818ecef2c800d23

NoodlesSwap Token Distribution

The top 100 holders collectively own 100.00% (1,000,000,000.00 Tokens) of NoodlesSwap

Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 8

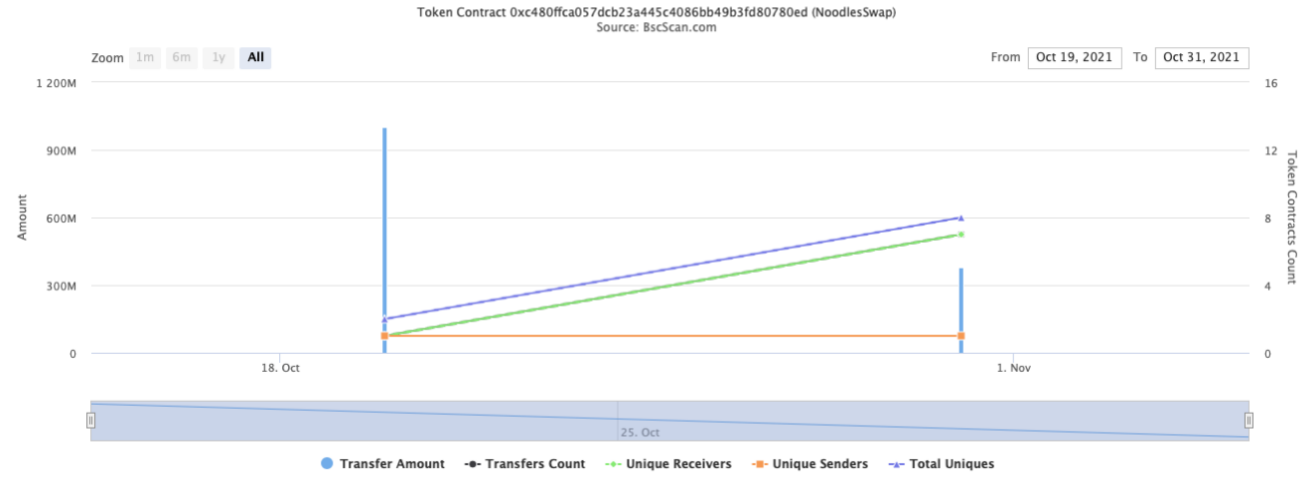


(A total of 1,000,000,000.00 tokens held by the top 100 accounts from the total supply of 1,000,000,000.00 token)

NoodlesSwap Contract Interaction Details

Time Series: Token Contract Overview

Wed 20, Oct 2021 - Sun 31, Oct 2021



NoodlesSwap Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0xbf94dfe939f9d9c4bd98fb1a5818ecef2c800d23	620,000,000	62.0000%
2	0x3493b0e44dd68e7f0cdab8bf50a665e30eab61a3	120,000,000	12.0000%
3	0x7b6ef7d0f04a175ff8e60b11e11c9e308e08fcc0	90,000,000	9.0000%
4	0xfaeb72f8bd70173e3f32ebfe74cf582684f75c09	90,000,000	9.0000%
5	0xf21bb55b883f81cfdc2bd69837c381b027fbbc5b	30,000,000	3.0000%
6	0x435f73bf5b5f94e3fc01a94cd91768cfbcf03a2d	20,000,000	2.0000%
7	0x61f32f352e5f148c880f7f1fb2d4fb63e63d83ff	20,000,000	2.0000%
8	0xebc030c69572003a51f02a712e36a9c3a24be76b	10,000,000	1.0000%

Contract functions details

+ [Int] IERC20
  - [Ext] totalSupply
  - [Ext] balanceOf
  - [Ext] transfer #
  - [Ext] allowance
  - [Ext] approve #
  - [Ext] transferFrom #

+ [Int] IERC20Metadata (IERC20)
  - [Ext] name
  - [Ext] symbol
  - [Ext] decimals

+ Context
  - [Int] _msgSender
  - [Int] _msgData

+ Ownable (Context)
  - [Pub] <Constructor> #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner

+ NoodlesSwap (Context, IERC20, IERC20Metadata, Ownable)
  - [Pub] <Constructor> #
  - [Pub] name
  - [Pub] symbol
  - [Pub] decimals
  - [Pub] totalSupply
  - [Pub] balanceOf
  - [Pub] transfer #
  - [Pub] allowance
  - [Pub] approve #
  - [Pub] transferFrom #
  - [Pub] increaseAllowance #
  - [Pub] decreaseAllowance #
  - [Int] _transfer #
  - [Int] _mint #
  - [Int] _burn #
  - [Pub] burn #
    - modifiers: onlyOwner
  - [Int] _approve #
  - [Int] _beforeTokenTransfer #

($) = payable function
= non-constant function

Issues Checking Status

	Issue description	Checking status
1.	Compiler errors.	Passed
2.	Race conditions and Reentrancy. Cross-function race conditions.	Passed
3.	Possible delays in data delivery.	Passed
4.	Oracle calls.	Passed
5.	Front running.	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.	The impact of the exchange rate on the logic.	Passed
13.	Private user data leaks.	Passed
14.	Malicious Event log.	Passed
15.	Scoping and Declarations.	Passed
16.	Uninitialized storage pointers.	Passed
17.	Arithmetic accuracy.	Passed
18.	Design Logic.	Passed
19.	Cross-function race conditions.	Passed
20.	Safe Open Zeppelin contracts implementation and usage.	Passed
21.	Fallback function security.	Passed

Security Issues

High Severity Issues

No high severity issues found.

Medium Severity Issues

No medium severity issues found.

Low Severity Issues

No low severity issues found.

Owner privileges (In the period when the owner is not renounced)

- Owner can burn.

```
function burn(uint256 amount⬆) public onlyOwner {
    _burn(msg.sender, amount⬆ * 10**(decimals()));
}
```

Conclusion

Smart contracts do not contain high severity issues!

TechRate 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.