



SMART CONTRACT SECURITY AUDIT

1stNFT

October, 2021

Website: soken.io

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Disclaimer

This is a comprehensive report based on our automated and manual examination of cybersecurity vulnerabilities and framework flaws. We took into consideration smart contract based algorithms, as well. Reading the full analysis report is essential to build your understanding of project's security level. It is crucial to take note, though we have done our best to perform this analysis and report, that you should not rely on the our research and cannot claim what it states or how we created it. Before making any judgments, you have to conduct your own independent research. We will discuss this in more depth in the following disclaimer - please read it fully.

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Security analysis is based only on the smart contracts. No applications or operations were reviewed for security. No product code has been reviewed.

Procedure

Our analysis contains following steps:

1. Project Analysis;
2. Manual analysis of smart contracts:
 - Deploying smart contracts on any of the network(Ropsten/Rinkeby) using Remix IDE
 - Hashes of all transaction will be recorded
 - Behaviour of functions and gas consumption is noted, as well.
3. Unit Testing:
 - Smart contract functions will be unit tested on multiple parameters and under multiple conditions to ensure that all paths of functions are functioning as intended.
 - In this phase intended behaviour of smart contract is verified.
 - In this phase, we would also ensure that smart contract functions are not consuming unnecessary gas.
 - Gas limits of functions will be verified in this stage.
4. Automated Testing:
 - Mythril
 - Oyente
 - Manticore
 - Solgraph

Terminology

We categorize the finding into 4 categories based on their vulnerability:

- Low-severity issue — less important, must be analyzed
- Medium-severity issue — important, needs to be analyzed and fixed
- High-severity issue — important, might cause vulnerabilities, must be analyzed and fixed
- Critical-severity issue — serious bug causes, must be analyzed and fixed.

Limitations

The security audit of Smart Contract cannot cover all vulnerabilities. Even if no vulnerabilities are detected in the audit, there is no guarantee that future smart contracts are safe. Smart contracts are in most cases safeguarded against specific sorts of attacks. In order to find as many flaws as possible, we carried out a comprehensive smart contract audit. Audit is a document that is not legally binding and guarantees nothing.

Token Contract Details for 27.10.2021

Contract Name: **TokenMintERC20Token**

Deployed address: **0x24e211001794E1d8fA9Da70baBF6F6c0c9D3879a**

Total Supply: **1,000,000,000,000,000**

Token Ticker: **1NFT**

Decimals: **18**

Token holders: **79**

Transactions count: **876**

Top 100 holders dominance: **100%**

Audit Details



Project Name: **1stNFT**

Language: **Solidity**

Compiler version: **v0.4.24**

Blockchain: **BSC**

Social Profiles

Project Website: **1stnft.io**

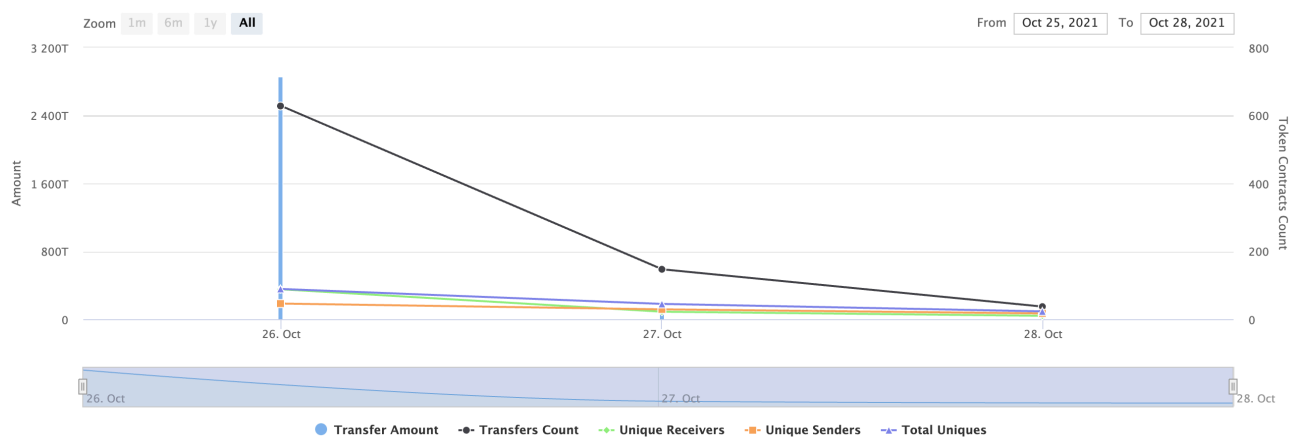
Project Twitter: **@1st_NFT**

Project Telegram: **Group_1stNFT**

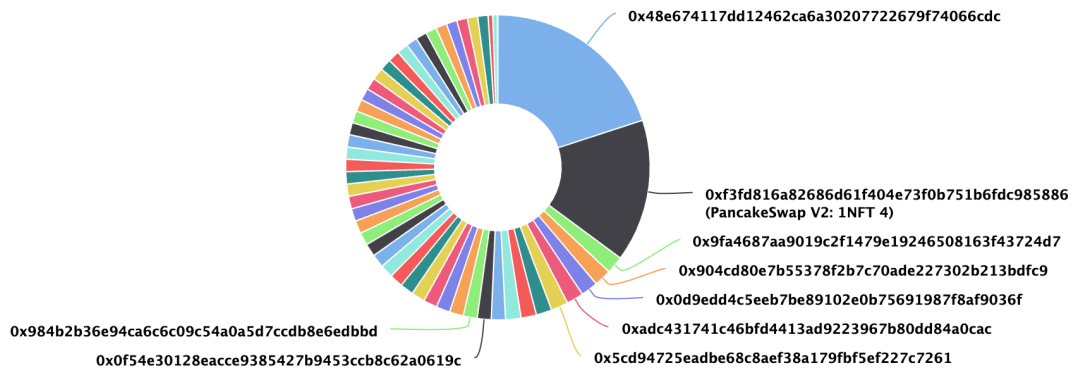
Project Instagram: **1stnft**

Project Facebook: **1stnft**

Token Contract Overview



1NFT Token Distribution



1NFT Top 10 Holders

Rank	Address	Quantity (Token)	Percentage
1	0x48e674117dd12462ca6a30207722679f74066cdc	200,000,000,000,000	20.0000%
2	PancakeSwap V2: 1NFT 4	151,367,079,154,050.69524765578795026	15.1367%
3	0x9fa4687aa9019c2f1479e19246508163f43724d7	18,625,335,182,944.453723197146565115	1.8625%
4	0x904cd80e7b55378f2b7c70ade227302b213bdfc9	18,314,751,781,519.566109392652266856	1.8315%
5	0x0d9edd4c5eeb7be89102e0b75691987f8af9036f	18,152,021,783,793.433790768576153906	1.8152%
6	0xadc431741c46bfd4413ad9223967b80dd84a0cac	18,038,230,902,615.65693115508163599	1.8038%
7	0x5cd94725eadbe68c8aef38a179fbf5ef227c7261	18,035,516,707,376.197498120187690902	1.8036%
8	0xdbe8ef79a1a7b57fbb73048192edf6427e8a5552	16,803,873,137,030.717005360479332609	1.6804%
9	0xaef2ea66147616abc22d2719f6bfb34c178f82cc	16,415,750,692,069.405950651812339299	1.6416%
10	0x322622526d71a55629969ecafeb632c9259be692	16,293,116,960,680.995299551946416118	1.6293%

Swap Analysis

- ✓ Token is sellable (not a honeypot) at this time
- ✓ Buy fee is less than 5% (0%)
- ✓ Sell fee is less than 5% (0%)

Contract Analysis

- ✓ Verified contract source
- ✗ No prior similar token contracts
- ✓ Source does not contain a proxy contract
- ✓ Source does not contain a pausable contract
- ✓ Ownership renounced or source does not contain an owner contract.

Holder Analysis

- ✗ Creator wallet contains less than 5% of token supply (20%)
- ✓ All other holders possess less than 5% of token supply

Liquidity Analysis

- ✓ Adequate liquidity present (897.23 BNB)
- ✓ At least 95% of liquidity locked/burned (99%)
- ✓ Creator wallet contains less than 5% of liquidity (0%)

Contract Function Details

- + [Int] IERC20.sol
 - [Ext] totalSupply
 - [Ext] balanceOf
 - [Ext] transfer #
 - [Ext] allowance #
 - [Ext] approve
 - [Ext] transferFrom #
- + [Lib] SafeMath
 - [Int] mul
 - [Int] div
 - [Int] sub
 - [Int] add
 - [Int] mod
- + ERC20 is 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
 - [Int] _approve
- + TokenMintERC20Token is ERC20
 - [Pub] name
 - [Pub] symbol
 - [Pub] decimals

(\$) = payable function

= non-constant function

Vulnerabilities checking

Issue Description	Checking Status
Compiler Errors	Completed
Delays in Data Delivery	Completed
Re-entrancy	Completed
Transaction-Ordering Dependence	Completed
Timestamp Dependence	Completed
Shadowing State Variables	Completed
DoS with Failed Call	Completed
DoS with Block Gas Limit	Completed
Outdated Compiler Version	Completed
Assert Violation	Completed
Use of Deprecated Solidity Functions	Completed
Integer Overflow and Underflow	Completed
Function Default Visibility	Completed
Malicious Event Log	Completed
Math Accuracy	Completed
Design Logic	Completed
Fallback Function Security	Completed
Cross-function Race Conditions	Completed
Safe Zeppelin Module	Completed

Conclusion

Smart contracts are free from any low, high or critical-severity issues.

NOTE: Please check the disclaimer above and note, that audit makes no statements or warranties on business model, investment attractiveness or code sustainability.

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