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AUDIT COMPANY

Smart Contract Security Audit

TechRate

December, 2021

Audit Details

Audited project

INP

Deployer address

0x4192e98c81e1b19c00b56a2f187182cd9cc43872

Client contacts:

INP team

Blockchain

Binance Smart Chain

Project website:

Not provided by INP team

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 INP to perform an audit of smart contracts:

https://bscscan.com/address/0xf0f88d49d3fea2ee07002b9565f47666ba7439ea#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 03.12.2021

Contract name	INP
Contract address	0xF0F88d49d3feA2EE07002b9565F47666BA7439EA
Total supply	1,000,000,000
Token ticker	INP
Decimals	18
Token holders	3,850
Transactions count	25,862
Top 100 holders dominance	99.24%
Contract deployer address	0x4192e98c81e1b19c00b56a2f187182cd9cc43872
Contract's current owner address	0x4192e98c81e1b19c00b56a2f187182cd9cc43872

INP Token Distribution

The top 100 holders collectively own 99.24% (992,402,772.08 Tokens) of INP

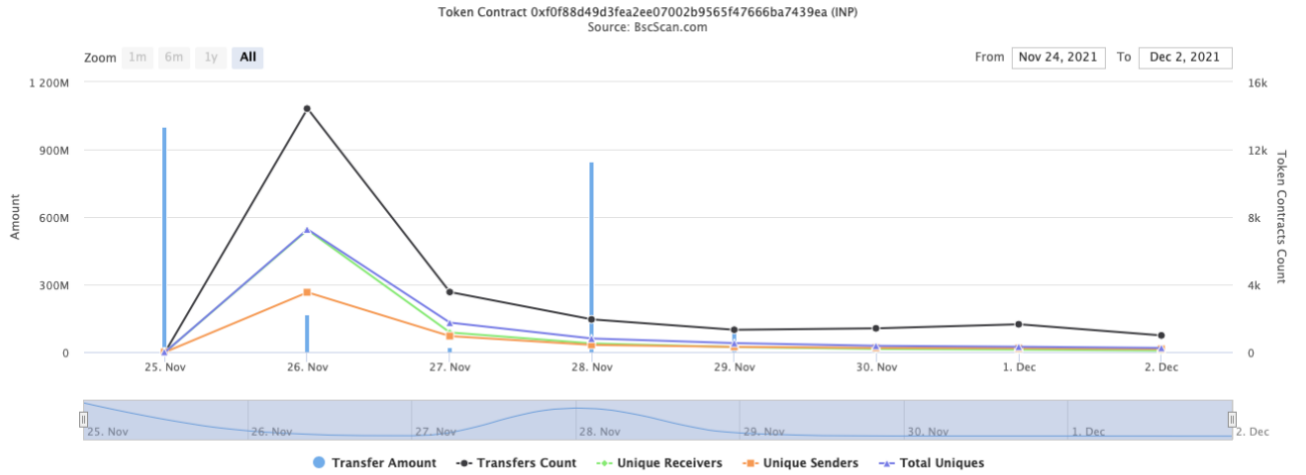
Token Total Supply: 1,000,000,000.00 Token | Total Token Holders: 3,850

(A total of 992,402,772.08 tokens held by the top 100 accounts from the total supply of 1,000,000,000.00 token)

INP Contract interaction details

Time Series: Token Contract Overview

Thu 25, Nov 2021 - Thu 2, Dec 2021



INP Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	0xead740f702409088783cf82282001a9948ed85d9	450,000,000	45.0000%
2	0x48d7d2d23402f545c98475f356e980b99490fe07	200,000,000	20.0000%
3	0x82e71c1f26372567dce621f2977ba6af48c2f992	100,000,000	10.0000%
4	0xcc645d7fc39e8061e63c010fcf604c5bc6b39311	45,000,000	4.5000%
5	0x2210212bac92ca071679bfe6d66b380c69ef7785	23,750,000	2.3750%
6	0xbbc26df129b7ec7abb889742073aeca29f211fc9	11,875,000	1.1875%
7	0xebcfae4e7f7bd23b28f3fb3d66ece5acfd10f0c6	11,875,000	1.1875%
8	0x344336162ac9a5cb67a7c5986d6576c386c3722c	10,000,000	1.0000%
9	0xc15feb22e0128b6bd8d854d3871aaadb305c3a05	9,000,000	0.9000%
10	0xa3b1c92564137d6166499ff55f1813c9038b08a6	9,000,000	0.9000%

Contract functions details

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

+ ERC20 (Context, IERC20, IERC20Metadata)
  - [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 #
  - [Int] _approve #
  - [Int] _beforeTokenTransfer #
  - [Int] _afterTokenTransfer #

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

+ ERC20Burnable (Context, ERC20)
  - [Pub] burn #
  - [Pub] burnFrom #

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

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

+ [Int] ILiquidityRestrictor

  - [Ext] assureByAgent #
  - [Ext] assureLiquidityRestrictions #

+ [Int] IAntisnipe
  - [Ext] assureCanTransfer #

+ [Int] ILiquidityRestrictor
  - [Ext] assureByAgent #
  - [Ext] assureLiquidityRestrictions #

+ [Int] IAntisnipe
  - [Ext] assureCanTransfer #

+ Inp (ERC20Burnable, Ownable)
  - [Pub] <Constructor> #
    - modifiers: ERC20
  - [Int] _beforeTokenTransfer #
  - [Ext] setAntisnipeDisable #
    - modifiers: onlyOwner
  - [Ext] setLiquidityRestrictorDisable #
    - modifiers: onlyOwner

($) = 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 disable antisnipe.
- Owner can disable liquidity restriction.

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope. Contracts has interfaces that is not audited, some contract logic may work unexpected way.

Liquidity locking details NOT provided by the team.

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.